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CMS actively contribute to the social and economic development of the communities in which we...

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Incubation@CMS

The CMS Business Incubation initiative is dedicated to providing a conducive and scalable...

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Case Studies: Bangalore One Services

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"CMS Computers participated in recently held Traffic...

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ELETS eIndia Awards 2015 @...

30 November 2015

CMS Computers was awarded as Digital Enterprise of the year for...

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Registered and Corporate Office

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Fax : N/A

WEST

NORTH

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Jalandhar

CMS COMPUTERS LIMITED

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Gulab Devi Hospital Road

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Phone : N/A

Fax : N/A

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Phone : (+91) 471 - 2477510

Fax : N/A

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### Overview

#### Re-Imagining A New World

CMS has always been at the vanguard of the IT movement in India with the sole objective to empower people with technology. Founded as Computer Maintenance and Services Company in 1976, CMS Computers Limited is a pioneer and leader in the industry. With over 100 locations in India, CMS Computers is adding value to every industry through its products, services and offerings. Over the last 37 years, CMS has played an integral role in helping clients succeed through many economic cycles. CMS provides a wide range of services, transportation & traffic solutions, energy management solutions, surveillance and workforce management solutions, and technology with client businesses.

Associate companies of CMS Computers, CMS Infosystems and Kaycee Industries are uniquely positioned as leaders in their respective fields. As a management services organisation, CMS Infosystems is also a leader across varied business lines including Managed Services, Infrastructure, and IT Solutions. Since inception, CMS had a clear vision of leveraging the tremendous power of information technology for improving infrastructure. We imagined a world where industrial companies become service companies, where energy companies become commerce players, government leveraging technology to bring in more efficiency in governance, and urban areas becoming secure and livable.

As a pioneer in traffic, e-governance, broadcasting, energy and security, we have simplified lives of citizens, corporates, and businesses, creating our insight and taking more control of the tangible world. Our people form the bedrock of CMS with strong leadership. Our business model includes strong elements of performance management, leadership development and ongoing skills development. CMS's long track record is also attributed to its enviable client base, unrivalled domain expertise, and strategic partnerships. We strive to simplify lives, leveraging cutting edge innovations in technology.

Our Values

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### Our Founder

**RAMESH D. GROVER**

Founder & Chairman, CMS Group of Companies  
(October 24, 1945 - March 5, 2011)

#### Humble Beginnings

The Late Shri Ramesh D. Grover is one of the pioneers of the technology revolution in India. His vision not only helped create numerous ventures in the IT business, some of which were later adopted by several startups as well as large corporate houses.

Shri Ramesh Grover was born in a modest home in Lahore. One of ten siblings, his father was employed with the Indian Railways. In 1947, like many other families who were faced with socio-political unrest triggered by the Partition.

Ramesh did his schooling in Delhi, followed by his graduation at the prestigious BITS Pilani. He was a Mechanical Engineer. As an 'Electronic Genius' his passion led him to assemble radios and transistors, which he eventually sold to his friends.

After graduating from BITS, Ramesh started working with Larsen & Toubro. However, his love for electronics left him restless. He eventually joined IBM with a perfect score. He had a reputation of being the most sought-after service engineer in IBM. Within three years he became a Senior Manager and won several awards at IBM.

The future of the IT industry and Ramesh Grover was looking promising until Indira Gandhi Government passed Foreign Exchange Control Act or blow to foreign trade and multi-national companies in the country. As the act forced IBM to exit the Indian market, CMS emerged as a service provider — a company that could absorb the talents that was rendered jobless with the exit of IBM.

“We all took a leap and started off this company,” say Srinivasan Ramadorai and Varun Kumar Prasad, the co-founders of CMS.

Mr Grover always identified talented people who could take it to the next level and encourage them.

### The Rising Star

CMS grew by leaps and bounds as it acquired accounts from companies like Philips, ACC, Premier Automobiles and Lloyds. It replaced Europe-based SYSTIME computers and became India's first end-to-end IT solutions company. Given this new start, the company offered a wide range of services, traffic signals, printing systems, cash management and ERP.

Aarti Grover, current Managing Director, CMS computers, and daughter of the Shri Ramesh Grover, says “The key to the success of CMS in infrastructure services, India had the need but didn't have 'Indian prices'. So my father created three R&D centers across the country to develop products and innovated.”

In subsequent years, CMS became a leading IT giant in India, ranked as one of the top companies by various customers and has more than 4,000 employees with 100 offices in India and the company's relationship with pioneering firms like IBM.

The group is currently in the process of leveraging its scale and reach, with an aim to expand its offerings of high value services across various business segments. Ramesh's dream has translated into the CMS vision. His mantra for the company was, “We are committed to providing cost-effective solutions to our customers in the area of information technology.”

### His human face

Mr Grover was a humble man. He spent a large sum of money on charity, but never spoke about these acts. In one of his acts, he donated a large sum of money for the cause of building a cancer hospital. He partnered with India's leading oncologists, and gave them a platform to provide state-of-the-art, dedicated cancer care facility in Mumbai.

He always motivated his employees to deliver better, which manifested in him sometimes being a strict taskmaster for long periods of time. If you look at various divisions of the group, most of the leaders have been with the group for long and have been mentored by him. He always encouraged people who could take it to the next level—and encourage them. He never had ego. We did have argument at times, but he always listened to me. At times, even take us out for a drink,” reminisces Maurice D'Souza, Chief Operating Officer, CMS Computers Limited.

Despite maintaining 18-hour- work schedule for his entire life, Mr Grover never let his work get in the way of spending time with his family.

Shri Ramesh D. Grover was a visionary and an epitome of diligence and perseverance throughout his life. He will remain a great inspiration for the country.

### Life and Times of Ramesh D.Grover

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## Leadership

Aarti Grover  
Managing Director

Aarti Grover, a second generation entrepreneur and a dynamic business leader, is the Managing Director of CMS Computers. She has led the transformation of CMS Computers over the last three years.

Anil Menon  
Chief Executive Officer

Anil Menon spearheads the overall business and operations at CMS and is responsible for the organisation's strategy. He is managing innovation driven technology enterprises.

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## CMS GROUP OF COMPANIES

CMS group provides various IT Solutions to Simplify Business needs of Our Customers in a cost effective manner. They operate in their activities efficiently and independently.

## CMS Computers

Traffic Solutions

Energy Management Solutions

e-Governance Solutions

Enterprise Security Solutions

Broadcasting Solutions

CMS Info Systems

Managed IT Service  
System Integration  
IT training  
Print Services  
Card Services  
Cash Management

Kaycee Industries

Electronic Components  
Industrial Switches  
Meter Solutions

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## Vision And Mission

### OUR VISION

To simplify lives leveraging the enormous potential of Information Technology

### Our Mission

Our mission is to solve real world challenges by harnessing the power of technology. We will pursue innovation focusing on the needs of our clients as the real world and IT world converges. In pursuing our mission, we will deliver Cost Effective products & services, build strong and enduring partnerships and create long term value by following sound business practices in dealing with our clients. In addition, Team CMS will pursue continual self improvement, personal excellence and accountability delivering better results over time.

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CMS PARTICIPATES IN TRAFFIC INFRATECH EXPO 2016  
mumbai - 28-09-2016

"CMS Computers participated in recently held Traffic Infratech expo 2016 at Mumbai in the month of September 2016. The expo was a great opportunity for CMS to showcase its expertise in Traffic Management and Traffic management."...  
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CMS PARTICIPATES IN TRAFFIC INFRATECH EXPO 2016  
mumbai - 28-09-2016

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ELETS eIndia Awards 2015 @ at Taj Presidency, Mumbai on 30th Nov2015  
Mumbai - 30-11-2015

CMS Computers was awarded as Digital Enterprise of the year for successfully implementing and running "Punjab La

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ELETS eIndia Awards 2015 @ at Taj Presidency, Mumbai on 30th Nov2015  
Mumbai - 30-11-2015

CMS Computers was awarded as Smart service provider of the Year for “BangaloreOne” Project.

CMS launched the project in record 3 months by establishing Datacenter, Application Software, HR deployment / Tra first ...

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CMS Participated in inaugural launch of INDIA IoT SYMPOSIUM held at New Delhi on 8TH & 9TH October, 2015  
New Delhi - 08-10-2015

India IoT Symposim was held at Kempinski Ambience Hotel, New Delhi on 8-9 of October 2015 wherein Mr. Nilanjan n Intelligent Transportation and traffic management....

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CMS Participated in 2nd Annual conference on Metering in India organized by PowerLine and Smart Utilities.  
Hyatt Regency, New Delhi - 01-07-2015

Mr R. Rammohan from CMS Computers was invited as special guest for the conference to give insights on Meter Dat e emphasized the need to have a disciplined process towards Meter Data Acquisition and use of new generation tec

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CMS is hiring: Refer and get rewarded  
Mumbai, India - 27-03-2015 - HR Department

CMS brings a great opportunity for all CMSites to earn quick bucks and get popular amongst friends, folks and collea

Help us find the right talent and get rewarded for it.

For more information, do check our Careers section on <http://cms.co.in/>

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CMS grabs Clean Energy Awards for its Energy Management Solutions  
Mumbai, India - 18-02-2015

Adding yet another feather to its cap, CMS has bagged Energy Management Solutions Award at India Clean Energy Summit, a leading event and business intelligence company in India.

The esteemed jury panel consisting of industry...  
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CMS wins Traffic Management & Leadership Awards  
Mumbai, Maharashtra, India - 14-02-2015

CMS Computers has been conferred with two awards for providing innovative solutions in traffic management at Traffic Management Awards for implementing India's first Area Traffic Control project in Mumbai.

CMS worked closely with Municipality...  
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CMS partners with L&T to safeguard Mumbai with CCTV surveillance systems  
Mumbai, India - 07-02-2015 - DNA

Courtesy: DNA

The state government has inked a Rs949-crore project deal with a Larsen and Toubro-led consortium comprising MTNL and L&T for installing a camera (CCTV) based surveillance system across Mumbai.

The system will not only monitor the city&road network...  
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CMS displays its Energy Management Solutions at INTELECT Expo in Mumbai  
Mumbai, India - 22-01-2015

Mumbai: CMS Computers successfully participated in IEEE-IEEMA INTELECT Conference & Exposition between January

INTELECT is a first of its kind exposition on energy management which objectively focuses on latest developments in  
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CMS showcases Smart City Solutions at Traffic Infra Tech  
New Delhi, India - 07-01-2015

New Delhi: CMS Computers showcased its wide range of Traffic and Transportation products and solutions at Traffic  
med to highlight latest technologies in transportation management with an objective to promote safe and smart mo  
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Incubation at CMS

## Giving Wings to Ideas

The CMS Business Incubation initiative aims to provide a conducive and scalable environment in which emerging companies can thrive. Since Inception, CMS has encouraged a culture of innovation internally which helped create several businesses ahead of their time, high simplify lives taking advantage of Information technology.

It is our strong belief that information technology can play a transformational role in improving the quality of life of citizens by raising the economic competitiveness, creating avenues for sustainable incomes down to the villages and having social inclusion. Sharing of knowledge, technology and entrepreneurship can accelerate this process of evolution.

### CMS Business Incubation Initiative

Leveraging Technology innovations creates competitive advantage across several areas including operations, client engagement, presence of Social Technologies, Mobility, Analytics and Cloud with information at the centre are opportunistically aligned. The CMS Business Incubation initiative is dedicated to providing a conducive and scalable environment in which emerging companies can achieve sustainable growth. The emphasis is on promoting entrepreneurs who have passion to work with technologies which help simplify lives. CMS's Incubation model creates cutting edge technology companies solving real world problems becoming the first in the market.

### Why Incubate?

The combination of Internet of Things, technologies like Mobility & Analytics are narrowing the gap between the real world and the digital world. CMS has been at the forefront of leveraging Internet of Things to solve real world issues. Be it traffic controllers, smart cities or delivering government services to citizens, CMS has delivered answers to real world issues challenging mankind. Our Real world experience and mentoring creates a synergistic environment where entrepreneurs can learn, create and grow. CMS tracks the growth of early stage businesses, improving the survival rate of start-up companies and entrepreneurs in the market.

**Incubation Process**  
We follow a very simple process in our Incubation program. Are you playing in cutting edge technology domains? Do you have a solution to a real world problem? Does your solution have the potential to scale up? Do you see untapped market opportunity that are potentially profitable? Have a discussion and fast track the process.

The process begins with a careful evaluation of the companies or entrepreneurs and their industries. The Incubation program provides a conducive environment for growth in dynamic, high-growth industries. We are specifically attracted to companies in the SMAC area as well as growth in areas like AI, IoT, Internet of Things etc. A careful screening prepares companies for the challenges of sustenance, scale and success. CMS provides a platform for companies to differentiate from the classical incubation models in the market. While we have a fairly systemized documented process, the incubation process is flexible. The formal incubation process takes place through a series of strategic working sessions which helps in fleshing out the business idea, technology selection and manpower planning. This helps build the nucleus of a business plan including revenue, market, risks and inhibitors.

Our experience across industry domains as well as technical expertise helps participants create a business model, develop a prototype and finally build a clear roadmap into the market. At the heart of our engagement is the mentoring process done by experienced professionals. The mentor can help identify the opportunities and challenges to the business, effectively providing guidance. Mentoring is continuous and very often on demand, complementing the infrastructure facility support that is available on tap.

This provides entrepreneurs and early stage companies with the opportunity to focus on their business including product development, business development, financial management leaving the operational challenges to CMS. The CMS promise to early stage cutting edge technology companies is to help them become a successful business, which could still use some financial support and coaching. We will help you strive and thrive. CMS will be your partner in your journey.

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## CSR Policy

### Corporate social responsibility policy

CMS Computers Limited and its Group, reaching out to underserved communities is part of our Policy and we believe in addressing the needs and interests and grappling with the "quality of life" challenges that underserved communities face, and working towards a better future. Our vision is "to actively contribute to the social and economic development of the communities in which we operate, uplift the weaker sections of society and raise the country's human development index".

### Implementation process: Identification of projects

All projects are identified in consultation with the community, literally sitting with them and gauging their basic needs and requirements, and in consultation with management.

Arising from this the focus areas that have emerged are Education, Health care, Sustainable livelihood, Infrastructure, etc. All CSR projects are carried out under the guidance of CSR committee members and its team who work in the direction of CSR activities from time to time and also approve the project done during the financial year. Some of the focus areas are as follows: In Education, our endeavour is to spark the desire for learning and knowledge at every stage through

Formal schools



Balwadis for elementary education  
Quality primary education  
Girl child education  
Adult education programmes

In Health care our goal is to render quality health care facilities to people living in the villages and elsewhere through

Primary health care centers  
Mother and Child care projects  
Immunisation programmes with a thrust on polio eradication  
Health care for visually impaired, and physically challenged  
Preventive health through awareness programmes.

In Sustainable Livelihood our programmes aim at providing livelihood in a locally appropriate and environmentally

Formation of Self Help  
Groups for women empowerment  
Vocational training  
Agriculture development and better farmer focus □ Watershed development  
Partnership with Industrial Training Institutes.

In Infrastructure Development we endeavour to set up essential services that form the foundation of sustainable

Basic infrastructure facilities  
Housing facilities  
Safe drinking water  
Sanitation & hygiene  
Renewable sources of energy.

To bring about Social Change we advocate and support

Dowryless marriage  
Widow remarriage  
Awareness programmes on anti social issues  
De-addiction campaigns and programmes  
Espousing basic moral values

Organisational mechanism and responsibilities

CMS and its group Initiatives and Rural Development provides the vision under the leadership of its Chairperson, Mr. M. S. Kulkarni. The Company, the CEO takes on the role of the mentor, while the onus for the successful and time bound implementation of the initiatives lies with the Partnerships.

Collaborative partnerships are formed with the Government, the District Authorities, the village panchayats, NGOs and other stakeholders. The Company's reach and leverage upon the collective expertise, wisdom and experience that these partnerships bring to the table is immense.

Information dissemination  
The Company's engagement in this domain is disseminated on its website, annual reports, its house journals and through various other means.

Management Commitment  
Our Board of Directors, our Management and all of our employees subscribe to the philosophy of compassionate capitalism, which is characterised by a willingness to build a society that works for everyone. This is the cornerstone of our CSR policy.

Our Corporate Social Responsibility (CSR) policy conforms to the Corporate Social Responsibility Voluntary Guidelines, 2011, which can be undertaken by the company as per the guidelines of CSR activities of Ministry of Corporate Affairs. As per Companies Act, 2013, Schedule VII mandates expenditure for the following activities-

- 1) Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available public facilities;
- 2) Promoting education, including special education and employment enhancing vocational skills especially among disadvantaged and sections of society; and
- 3) Promoting gender equality, empowering women, setting up homes and hostels for women and orphans; setting up old age homes and measures for reducing inequalities faced by socially and economically backward ,

- 4) ensuring environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agro forestry, sustainability of soil, air and water;
- 5) Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and development of traditional art and handicrafts,
- 6) Measures for the benefit of armed forces veterans, war widows and their dependents;
- 7) training to promote rural sports, nationally recognised sports, paraolympic sports and Olympic sports;
- 8) Contribution to the Prime Minister's National Relief Fund or any other fund set up by the Central Government for Scheduled Castes, the Scheduled Tribes, other backward classes, minorities and women;
- 9) contributions or funds provided to technology incubators located within academic institutions which are approved by the Government;
- 10) Rural development projects,
- 11) Slum Area Development

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CMS's business initiatives play a pivotal role in the everyday life of our clients, stakeholders and citizens at large.

E-governance Solutions

Energy Management Solutions

Media & Broadcasting Solutions

Surveillance & Workforce Solutions

Transportation & Traffic Solutions

Our Products

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Facilitating Governance, Empowering Citizens

Pioneers of e-Governance services in India, CMS Computers is playing a crucial role in the implementation of government services in a dynamic business environment and increasing accountability are prompting governments to become more competitive. However, there are challenges in reaching out to citizens due to the vast population and diverse demographics of the country. To overcome these impediments, CMS is working closely with government bodies to facilitate public utilities through e-governance in India. As a leading solutions provider of e-governance services in the country, we deliver hundreds of government services to citizens every day.

Over the years, we have built a robust delivery model by expanding our network of service centres and workforce across the country.

Our ICT projects have created thousands of employment opportunities and facilitate the implementation of various government schemes.

and state-level policies.

Government services including utility bills, certificates, landholding records, taxation and education, reach out to millions of citizens every month. Besides, We also taking key services such as transportation, telecommunications and health to small cities. In the past 12 years, CMS Computers has taken several path-breaking initiatives in the area of e-governance such as digitizing in high-sensitive criminal cases and digitization of various government offices such as Department of Stamp and Registration. A Unique Identification Number or Aadhar Card is another unique and ambitious project that CMS is currently spearheading across various states.

The success of CMS e-Governance solutions is evident from the fact that about 1.8 million transactions are being recorded every day across over a lakh of villages in the country. CMS Computers is committed to bringing smiles on the faces of millions of citizens to them.

For decades, CMS's e-Governance Division has diligently worked to propagate its solutions across various departments and states, providing path-breaking solutions to suit various public policies and requirements for citizen services. In addition to citizen services, we have also helped several government offices in developing systems to improve their operations. Our objective is to make service delivery fast and effective and make bureaucracy and administrative activities more efficient. Learn more about how CMS is transforming India's IT landscape through e-Governance Solutions

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Integrated Citizen Services

Land Record Systems

Registration Services

Transportation Utilities Management

Integrated Citizen Services

About ICS

Urban Solutions

Rural Solutions

Reaching over 2 crore households and 1 lakh villages everyday, CMS Computers continues to be the largest service provider. The provision of CMS Computers provides a one-stop shop facility where various government and customer services are provided to various departments for their requirements.

CMS's role in fostering the growth of integrated citizen services is unparalleled. CMS has not only implemented India's first village level entrepreneurs in the remotest locations of the country. CMS's e-Governance team offers more than 150 unique services.

We have partnered with several governments, public departments and civic bodies for the implementation of key public services, as rural regions makes us the first choice for implementing an ICS project. We are looking to introduce more services in the future.

Achievements

First ICS project was implemented by CMS Computers in Andhra Pradesh.

First time print module for land records to offer from ICS network was developed by CMS for Maharashtra.

Developed functional portals for all CSC schemes offering G2C and B2C services.

Developed and integrated some complex services like Passport application to be offered from B1 centers.

Deliverables under ICS

Design the Architecture and Establish the Data Center for Application, Network, Infrastructure and Deployment.

Design the Architecture and Establish the Citizen Service Centers.

Integrate with various Departmental Networks / Applications / Database.

Design and Host the Portal and Internet Services.

Deploy the Counter staff / Managerial Staff at centers.

Run and Manage the Operations of the Staff / Centers.

Project Features

Provides real time online transactions.

Citizen Service Centers operate from 8-AM to 8-PM on all working days and are open on Sundays and other holidays.

At Bangalore few centers are working 24X7.

Electronic queuing system and efficient transaction of business reduces waiting time.

Any service at any counter in the center.

Accepts all forms of Money including cash, cards, Cheques etc.

Bouquet of Services

Payment of utility bills/taxes

Registration and issue of certificates of births / deaths

Issue of Land Records

Issue of Domicile, Income, Insolvency, Caste certificate etc

Correction, addition deletion of records in Ration Card / Voter Card

Filling of Online application and fee collection for School/ College

Facility for filling applications of government jobs.  
Dissemination of information and processing of applications related to social subsidy schemes  
Distribution of Rajiv Gandhi JivandayiArogyaYojana Cards  
Telemedicine  
Information centre for National Pension Scheme  
Registration of applications for passports  
Filing of sales tax returns  
B2C services like payments of DTH and mobile bills, money transfer, movie tickets, etc.  
Financial Inclusion including banking and insurance services  
Documentation of Aadhar Cards.

Every emerging country in the world is facing an enduring challenge of keeping up infrastructure of their cities with more innovative solutions to make public and even private utilities more accessible to city dwellers. CMS Computers has been working closely with civic bodies to enhance the scope of Information Technology in urban domains of IT such as Traffic, Energy and Security, CMS is uniquely positioned to help governments build smart cities. Bangalore One and Bangalore Traffic Police, our flagship projects in Bangalore, are the best examples of how technology can make cities more energy efficient. We are looking to collaborate with transport authorities, municipal corporations, utility companies, security agencies to make services easily accessible to citizens. CMS aims to build smart cities with advanced technologies such as Internet of Things, mobile apps. To know more about how CMS is transforming e-governance in urban centres, download case studies placed on the right.

Our CSC Initiatives

CMS simplifies the lives of Bangaloreans through one-stop shop facility

Download

## CMS transforms IT architecture of Road Transport Authority of Andhra Pradesh

[Download](#)

The daunting task of delivering public utilities in remotest locations is full of operational challenges in India. Government has a vast distribution network, while rural citizens have to travel long distances to avail government services.

The centre and various state governments have indeed taken several path-breaking initiatives over the last decades to leverage technology. Government agencies have partnered with leading technology firms like CMS to build ambitious nationwide programs that can become more accessible and transparent to citizens.

### Common Service Centers

CMS has collaborated with central and state-run agencies for various projects and played a significant role in connecting rural areas. One example of our success is Common Services Centres (CSCs). Launched in 2006, this flagship scheme was implemented as a one-stop shop facility for providing multiple services in far-flung locations.

CMS has been a major catalyst in expanding the base of CSCs across the country. It has built a robust distribution chain, creating job and business opportunities in some of the remotest locations of the country.

Thousands of youths have joined the bandwagon to become village-level entrepreneurs. Moreover, many hardware stores have emerged at the village levels. Going forward, CMS intends to address the needs of rural population in key areas of agriculture, education, and healthcare. Through the CSC scheme, the government committed itself to addressing the divide and brought its rural citizens closer to government services.

To know more about our offerings under CSC schemes, please download the documents given in the right hand side.

### Our CSC Initiatives

[Jan Seva in Uttar Pradesh](#)

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Lok Sewa in Madhya Pradesh

[Download](#)

eMitra in Rajasthan

[Download](#)

Maha Seva in Maharashtra

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MeeSeva in Andhra Pradesh

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## Land Records Systems

Land and property records management is one of the most formidable tasks for a state government as it needs cons. Besides, a large portion of state land is agricultural. Land records are maintained in different prescribed forms regist. Various information like cropped area, type of irrigation, crop type, land ownership, record of land transfer, land revenue. The data available for land records are vast and it is not possible to update without the help of specialized tools. Speedy updates of records through the use of IT&C tools increases the efficiency and reduces hardship for the publi

etails in a short and transparent manner.

CMS is actively working with various state governments for building robust IT architectures for record keeping system or bespoke solutions.

Our land records systems have brought a great deal of transparency on the subject of ownership and category of properties and plan investments in a more prudent way.

#### Benefits Of CMS Land Record Systems

Landowners can access land records and procure land and revenue certificates from any place, any time.

The central database system help government offices and village level entrepreneurs, as the documentation process

The number and nature of transactions is accounted for. The system brings in great transparency between landowners

Barcode on land records helps government agencies crack down on cases of forgery and land-grabbing.

Removal of junk characters from the database curtails redundancy in the documentation of land and revenue certificates

#### Program Objectives

Improve delivery of Land record services to citizens

Effective and efficient way to improve the revenue collection of state

Bring more transparency and reduce red tape from land record department

Speedy updation of crop records for better planning of resource

Access to information and data base from any corner of the state

Creation of qualifying manpower through IT education at all levels and deploy available resources in rural areas.

#### Case Studies

CMS revamps land Record system in Punjab

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#### Registration Services



CMS has been playing a pivotal role in revolutionizing e-Governance in India for decades. With a reach of over 1 Lakh /urban infrastructure projects to bring in unforeseen efficiencies in government processes. One of the service sets that CMS has provided is in Citizen Registration and Documentation, which has helped bring While Information and Communication Technologies have been extremely pervasive in the private sector, their effect of numerous e-governance mandates from the Government to better manage services offered to rural locations, IC people closer.

Through its services and team, CMS has helped in automating the entire registration process and the speedy delivery Program Deliverables

Supply, install, operate and maintain the hardware and peripherals in all assigned offices.

Set up at all locations as functional and operational

Installation of all requisite software at locations and provide software upgrades.

Provide consumables to all the offices

Preparation of site and provide furniture as per standard design & layout.

Provide adequate technical staff and operators that can handle data entry, scanning the original registered documents thumb prints with thumbprint scanner, digital signature, photographs of parties with digital computer attached camera

Program Benefits

For Citizens

Simplifying the process of Registration of documents wherein the documents are registered, scanned and returned to

Issue of Encumbrance Certificates and Certified copy of the documents on the same day.

Accountability and Transparency in the functions of the department.

Built-in market value intelligence.

Improvement of efficiency in the department.

Issue of Encumbrance Certificates from any Sub-Registrar Office.

Generation of various MIS (Management Information System)

Reports for the use of the Department/Policy makers in Government/General Public

For Governance

Documents registered and delivered within 30 minutes

EC/CC issued on same day

Elimination of errors in copying the documents

Reduction in the time of registration process

Decrease in the number of visits by the public to government office

Reduction in the cost of services

Reduction in storage space

Easy to access & Speedy retrieval of records

Case Studies

CMS simplifies registration process in Karnataka

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## Transportation Utilities Management

The rapid growth of road network and number of vehicles pose new challenges to traffic and transportation authorities. Access, maintaining infrastructure and regulating traffic norms are becoming more arduous and complex for transportation authorities. CMS's e-Governance solutions are managing distribution of licenses, e-traffic challan and integrate departments and offices, making transactions and data collection more accurate, transparent and easy.

To address this mammoth task, CMS's e-Governance division has created a separated arm for transport and traffic departments. CMS's e-Governance solutions are managing distribution of licenses, e-traffic challan and integrate departments and offices. CMS has plans to introduce technologies like big data and mobility with an aim to connect citizens with transport-related services. Being a leading service provider and manufacturers in traffic space, CMS is well positioned to bring various disparate services into a central manageable console driven approach which makes managing complex issues like traffic a breeze.

### Project Benefits

- Simplifying the process of Registration of documents wherein the documents are registered, scanned and returned to the user.
- Centralized monitoring dashboard with access to all end points across various media like video, nodes, signal states.
- Improved traffic management leading to fewer bottlenecks and lesser fuel consumption
- Improved transparency and improved efficiency into license management, processing, grievance management and monitoring.

## Case Studies

CMS introduces e-challan system, helps decongest Bangalore roads

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Connect

If you want to know more about the solutions offered by Our  
e-Governance Solutions Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)  
022-41259000

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Smart e-Governance for a Digital Nation

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Solutions for a sustainable tomorrow

From power generation to supply and energy consumption, CMS's Energy Management Solutions maximizes efficiency. Managing power can become quite a comprehensive exercise for any production environment and must be managed. CMS simplifies power management for its customers by providing end-to-end node based energy monitoring and management. CMS's engineering team studies a customer's plant, machinery, process and energy consumption patterns to create a solution. Once the key patterns have been discovered, CMS's team designs, installs and commissions a custom built energy management system. CMS's team, applies knowledge, adds value with innovation, and measures up to benchmarks hence delivering results.

CMS solutions are not only affordable

and easy to install and use,

but offer a quick return on investments.

Our energy audit experts analyze data, perform the energy audit and submit an online report of energy losses taking corrective decisions to bring losses under control.

CMS solutions are not only affordable and easy to install and use, but offer a quick ROI. Highly accurate meters and power quality analysis, automated controls and early warning issues. The information can be easily accessed on any device. The systems are completely scalable so they work within a single facility or across many sites throughout the country.

Many power plants, power distributors and manufacturing companies have experienced the simplicity and wide application of CMS systems and continue to enjoy the efficiencies and ease that our systems bring into their power management processes. For over a decade, CMS Energy Management Systems have been providing turnkey solutions covering design, development, installation and maintenance capabilities.

CMS's energy management products have been designed with a goal to address future demands and challenges of the industry. Our expert team has been developing a wide range of sophisticated meters and softwares that could deal with a wide range of applications.





stamped while storing the data into the memory. Optionally, The RM 705 Meter stores the Maximum/Minimum value. These logs can be downloaded later by using the software.

Communication: The meter features a RS-485 communication port. The meter communicates to the master device with a response time of less than 10ms.

Time Synchronization: The meter has RTC built in. The meter time can be synchronized with the server time to avoid drift.

Digital Output (8 stages) for Power Factor Correction: Each stage is optically isolated with a direct drive of AC/DC of up to 10A. Each capacitor bank will in turn be energized based on the Capacitor Bank Value with respect to the required PF value.

Control: The meter can be controlled via the Modbus communication protocol. If any of the coils are energized and switched OFF the same can be done via the Modbus communication protocol.

Digital Outputs & Digital Inputs: This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The Digital Inputs can be used for Breaker Status monitoring.

Auxiliary Power supply: The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DDP or 24VDC supply.

Accuracy: The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters. The meter without loss of accuracy is 10 mA for 1/5A CT.

CT & PT Ratio: The user can configure the primary and secondary values of CT & PT as per the field requirements. The meter can be configured for location as and when required.

The RM-705 DS is an AC Static Three-phase CT Operated Electronic Dual Source Energy Meter that measures basic Parameters for Electricity Board (EB) and Diesel Generator (DG) source operating parameters separately and independently. This meter is rugged in construction and monitors a wide load range with high sensitivity and low power loss. The meter has optional RS-485 communication modules. All features comply with Indian and International standards.

#### Features

Source Identification for EB & DG using Digital input or by setting the MODBUS register.

Measures, displays and transmits the following parameters

Voltage - Phase and Line

Current - Phase and Line

PF - Phase and Line

Active Power (kW) – Phase and Line

Reactive Power (kVAR) – Phase and Line

Apparent Power (KVA) – Phase and Line

Active Energy (KWh) – Import and Export

Reactive Energy (KVARh) – Capacitive, Inductive

Apparent Energy (KVAh)

Demand Parameters – Average KW, Average KVA

Maximum Demand – KW & KVA

Frequency

Voltage Unbalance %

Current Unbalance %

Separate Recording of EB Energy & Demand

Separate Recording of DG Energy & Demand

DG Run hours & EB Run Hours

No of times DG ON

#### Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time.

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters. Mode 2 can be displayed with a full list of parameters.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in V, A, W, KWh, KVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. If the meter is connected to the HT side of the meter, the parameters are displayed in KV, KA, MW, MWh, MVAR, MVA, MWH (Import & Export), MVARH (+/-), MVAH, Demand MW, Demand MVA and Peak Demands.

Connection Type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is selected via the Modbus communication protocol.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store 10000 data points. The meter can store 10000 data points, KVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes. The meter can store 10000 data points. The meter can store 10000 data points.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. These logs can be downloaded later by using the software.

#### Communication

The meter features a RS-485 communication port. The meter communicates to the master device using the MODBUS protocol. Response time is less than 10ms.

#### Time Synchronization

The meter has RTC built in. The meter time can be synchronized with the server time to avoid miscalculating energy.

#### Digital Outputs & Digital Inputs

This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The outputs can be used for alarm or monitoring.

#### Auxiliary Power Supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible.

#### Accuracy

The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters like voltage, current. The maximum out loss of accuracy is 10 mA for 1/5A CT.

#### CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the meter to be used in different applications when required.

The RM-506K is a superior Static Energy Meter that helps in Energy Accounting to identify energy saving opportunities and energy conservation initiatives.

An Energy Accounting system is a critical part of an Energy Management plan. For any Energy Management plan to be successful, it is essential to know the consumption patterns. Without this information it is impossible to understand, measure or convey the progress of an energy conservation program.

The Energy Accounting System provides energy usage analysis and cost allocation for individual generation units, areas, departments, etc. It helps in creating energy billing reports based on user-definable energy cost functions and energy tariffs. The system also provides energy conservation billing are reported for generators and inter-tie exchanges are made simple.

#### FEATURES

##### Software Integration

RM-506K generates proportional pulses that can be integrated with a main line Energy Management System or SCADA system.

##### Time Synchronization

Time of measurement is very important in Energy Accounting. The meter's clock can be set using front panel push buttons.

##### Energy Measurements

Current KWh

Last Hour KWh

Last Day KWh

Last Month KWh

Date

Time

#### Accuracy

Class 1.0 Standard

Class 0.5S Optional

Built in RTC(LCD Version only)

Accuracy 1 min per month

Accuracy Standards

IS 13779

IEC – 62053 – 22

IS – 14697 : 1999

#### Optional Features

Digital Output for Benching Marking Control of alarm/control

Available Types

RM 506 K with mechanical counter

RM 506 K with LCD display for Current, Last Hour, Last Day, Last Month Energy readings

## Energy Accounting & Bench Marking

Identify major load centers, allocate energy consumption norms, monitor deviations and refine norms for better spend

## Load Analysis

Monitor the energy input and compare with equipment output for better energy performance of equipment.

The RM-705 L4 is an AC Static Three-phase CT Operated Electronic Multi function Energy Meter that measures basic consumption. It has the TOD measurement and prepayment control for active energy. This Meter is rugged in construction and resistant to power loss. The device has built in Tamper Events Capture, RTC and high-speed communication modules. All features covered below.

## Features

Measures, displays and transmits the following parameters

Voltage - Phase and Line

Current - Phase and Line

PF - Phase and Line

Active Power (kW) – Phase and Line

Reactive Power (kVAR) – Phase and Line

Apparent Power (KVA) – Phase and Line

Active Energy (KWh) – Import and Export

Reactive Energy (KVARh) – Capacitive, Inductive

Apparent Energy (KVAh)

Demand Parameters – Average KW, Average KVA

Maximum Demand – KW & KVA

Frequency

Voltage Unbalance %

Current Unbalance %

Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters. Mode 2 can be displayed with a full list of parameters.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in V, A, W, KVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes.

Connection type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is 3 phase 3 wire.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store W, KVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes. The data is stamped while storing the data into memory.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. The data is stamped while storing the data into memory.

## Communication

The meter features a RS-485 communication port. The meter communicates to the master device using the MODBUS protocol. The meter can be connected to the master device using the MODBUS protocol.

## Time Synchronization

The meter has RTC built in. The meter time can be synchronized with the server time to avoid miscalculating energy consumption.

## Digital Outputs & Digital Inputs

This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The outputs can be used for monitoring.

## Auxiliary Power supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible.

## Accuracy

The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters. The maximum out loss of accuracy is 10 mA for 1/5A CT.

#### CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the meter to be used when required.

The PF-811L4 is an integrated, modular, microprocessor based Energy and Power meter with additional Power Factor Correction (PFC) electrical parameters in three-phase systems.

The PF-811L4 is specially designed to simultaneously measure, display, communicate and control certain electrical parameters. It has a 4-digit LCD display. The display can be configured for auto scroll or fixed display mode. The display scroll time can be set as required. Power factor is computed as required. The kVAR value & the power factor can be fine tuned by switching ON the corresponding capacitor bank. If switched OFF, it will come ON again after a 3 minutes delay. Each capacitor Bank value & required power factor value can be set via RS485. The 8 stages of capacitor Bank status (ON/OFF) will be displayed on the unit. Once the Meter restarts, all the capacitor banks will return again to switch ON the corresponding Capacitor Bank based on the kVAR.

#### Features

Measures, displays and transmits the following parameters

Voltage - Phase and Line

Current - Phase and Line

PF - Phase and Line

Active Power (kW) – Phase and Line

Reactive Power (kVAR) – Phase and Line

Apparent Power (KVA) – Phase and Line

Active Energy (KWh) – Import and Export

Reactive Energy (KVARh) – Capacitive, Inductive

Apparent Energy (KVAh)

Demand Parameters – Average KW, Average KVA

Maximum Demand – KW & KVA

Frequency

Voltage Unbalance %

Current Unbalance %

Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters. Mode 2 can be displayed with a single parameter.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in mV, mA, mW, mVAR, mKVA, mKWh, mKVARh, mKVAh, mDemand KW, mDemand KVA and mPeak Demands. If the meter is connected to the HT side of the meter, the parameters are displayed in V, A, W, VAR, KVA, KWh, KVARh, KVAh, Demand KW, Demand KVA and Peak Demands.

Connection type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is selected via RS485.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store 15 minutes of data for 60 days. The data is stored in the following format: Voltage, Current, PF, kW, kVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is stamped while storing the data into the memory.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. The timestamp is stored in the memory. The timestamp is stored in the software.

Communication: The meter features a RS-485 communication port. The meter communicates to the master device using RS-485. The communication speed is 9600 baud rate. The response time is less than 10ms.

Time Synchronization: The meter has RTC built in. The meter time can be synchronized with the server time to avoid time drift. The time synchronization is done via RS485.

Digital Output (8 stages) for Power Factor Correction

Each stage is optically isolated with a direct drive of AC/DC of up to 230 V and can be interfaced to each capacitor Bank. The meter can be used to control the Capacitor Bank Value with respect to the required PF value correction. The set limits can be placed through key or RS485.

If any of the coils are energized and switched OFF the same will be re-energized only after switching OFF the other stages. The meter can be used to control the Capacitor Bank Value with respect to the required PF value correction. The set limits can be placed through key or RS485.

Digital Outputs & Digital Inputs: This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The Digital Outputs can be used for Breaker Status monitoring. The Digital Inputs can be used for Breaker Status monitoring.

Auxiliary Power supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible. The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters.

out loss of accuracy is 10 mA for 1/5A CT.

CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the when required.

An energy accounting system is a critical part of an energy management strategy. For any energy management strategy, consumption trends and patterns. Without this information it is impossible to understand or communicate in any manner any energy-saving measures.

The RM-506K is a low cost, affordable and simple static energy meter. It has a pulse output, which can be connected Advantages

Provide a foundation for a successful energy management strategy.

Record and track the progress of energy saving strategies.

Provide a basis for setting realistic energy savings goals

Indicate possible areas that can improve O&M.

Motivate O&M staff by continuously providing feedback through shift/daily/monthly reports.

Specific EnergyConsumptionAnalysis

Features

Low cost

Class 1.0 Accuracy

IS 13379 standard

Easy to Install & Use

True RMS Measurements

CT/PT Ratio site selectable

Isolated Open Collector pulse output

Low VA Burden

No Mechanical wears & tear.

Self Powered

Used for 3 phase balanced and unbalanced loads

3phase 3 wire or 3 phase 4 wire modes are configurable using jumpers

SEAS – Energy Accounting Software

SEAS is a simple, device driver based energy accounting system. It features Network Configuration, Communication and stores them in the database with time stamps. The Reporter will enable users to select the energy meters and to MS Excel.

power quality meters

ELNet-PQ Power Meter

Power Quality Meter with Harmonic Measurements

The ELNet-PQ power meter is a highly accurate (0.1-0.2%), multi-functional, three-phase EN50160 power quality analyzer and energy measurement in any electrical installation.

ELNet-PQ includes historic data logging and supports standard communication protocols; while integrating easily with An indispensable tool for the Building Engineer, it aids efficient use of electricity by showing Power Factor, Peak usage

FEATURES

Multi-functional three-phase Power and Energy powermeter  
 Accuracy of 0.1 – 0.2% with spatial calibration.  
 EN50160 testing reports  
 On events waveform recording  
 Measures Power: Active Reactive Apparent.  
 Measures Power Quality, Malfunctions and Interruptions, and records Peaks  
 Shows Voltage, Current, Frequency, Current in Neutral Line and Power Factor  
 Total integration with Building Management Systems  
 Flash memory stores 2 years of information  
 Simple Multi lingual menus  
 Build-In RS232/485 Communication Port  
 Build-In Ethernet 10BaseT Communication Port  
 SupportsMODBUS& MODBUS/TCP communication protocols.  
 320 X 234 Color LCD display.  
 Displays up to the 64th Harmonic in Waveform or Graphic.  
 Data comparison on a weekly/ monthly/ yearly basis.  
 Simple installation.  
 Easy operation

The ELNet LT is a Power and Energy Meter that also has the ability to measure Harmonics. It is a compact, multi functionally designed to integrate into Building Management Systems. It requires no special mounting and is ideally suited for. The Configuration and Setup is menu driven, with password protection. Communication with external devices is simple. The ELNet-LT includes historic data logging and supports standard communication protocols. An indispensable tool for energy management by showing Power Factor, Maximum and minimum demand, Current in Neutral Line and Harmonics up to the 64th.

Features

Multi-functional three-phase Power and Energy powermeter  
 Accuracy of 0.1-0.2% with special calibration  
 Measures Active, Reactive & Apparent Power  
 Measures Power Quality and Malfunctions  
 Shows Voltage, Current, Frequency, Current in Neutral Line and Power Factor  
 Full integration with Building Management Systems  
 Flash memory stores 6 months of energy  
 Simple Multi-lingual menus  
 Built-In RS485 Communication Port  
 SupportsMODBUS communication protocols.  
 320 x 240 Color LCD display  
 Displays up to the 64th Harmonic in Waveforms or Graphics  
 Simple installation & Easy Operation

software

EEBS – Electronic Energy Billing System Software  
 eTools – Energy Management System

The EEBS software can be used to develop the following applications at any time without any much extra cost.

Automatic Meter Reading System  
Automatic Energy Billing  
Revenue monitoring and MIS  
Power Allocation and Load Management  
Distribution Management System  
Integration into any Substation Automation application

The main components of EEBS Software are:

Network Management and Configuration Module  
Facility Management and Configuration Module  
Billing Module  
Receipts Module  
Energy Accounting and Balancing Module  
Pre-Paid Coupon Generation Module  
MIS Module  
Viewer for front end GUI  
Reporter  
Alarm Module for pop-up alarms  
Query Wizard Processor for Data analysis  
SMS Server for sending emails on alters  
Web Server for distribution of viewer views over LAN/WAN/WWW.  
Schedulers for report generation & distribution.

CMS EEBS software is windows based application and performs the following functions.

Polls Energy Meters, DCUs at predefined intervals for Power and Energy data  
Polls a specific Energy Meter or DCU on request  
Collects the logged data from Energy Meters or DCUs  
Segregates the data meter wise  
Stores the energy data in the meter database  
Contains features to enter operating parameters of the loads  
Calculates and presents the information in real time  
Generates set point alarms based on the calculations done by the meter parameters using arithmetic, logical functions  
Presents the data in predefined formats to the front end screen  
Online/Historical data view of the meters, layer wise  
Generates user definable energy consumption reports in Microsoft Excel  
Exports the data to SAP  
Analyses data and presents the information.  
Sends Audio, Video & SMS alerts on events

The user can easily develop following MIS applications at any time. The software provides all the tools to make additional

Generation of reports on the Consumer wise / Building Wise / Block Wise Energy consumption analysis  
Generation of reports on the Consumer wise / Building Wise / Block Wise Load Profile analysis  
Generation of reports to study the electrical equipment outages , power outages Consumer wise / Building Wise / Block  
Generation of reports on Bills and receipts  
Generation of reports on Energy & finance accounts

Key features

Expandable in network and can add any number of Consumer Meters; add secondary servers and Work Station PCs and control functions  
Meter Data acquisition: Collects data from power and energy meters over Internet, Ethernet, Modem, and can integrate  
Data Exchange: Exchange data with existing SCADA, automation and business systems, which are compliant with ODBC  
Web Services: Available over intranet users for customized graphical views of system diagrams, real-time and historical  
Reports: Scheduled, Event Driven, user configured, custom reports using Microsoft Excel. Auto distribution via email  
Data Trends: Tabular and graphical presentation of any combination of measured or derived parameters  
Alarms and Status: Pop-up simple, complex conditions; SMS alarm notifications; log Alarm Events with timestamp into



Execute Commands: Can Run command applications while alarm notifications can be used for a wide variety of applications.  
The database is SQL SERVER 2008 Express

#### EEBS Viewer

Views Single Line Diagrams (SLD) for clear power distribution across the facility with easy navigation from screen to screen.  
Creates user diagrams to display text box type, tabular type, graphical type, and image type data, runs command applications.  
Displays real-time power and energy measurements, derived parameters, historical trends and data logs, alarm conditions.  
Uses MS Excel interface to perform sophisticated data computations, then display and log derived values.  
Selects meter templates, group display and customized queries for quick and easy information access.  
Set up command buttons to navigate between diagrams, open data tables or run command applications.  
Store the user diagrams in relevant path convenient selection of views.  
Easily extract and analyze selected ranges of information from the database using a query wizard.

#### EEBS Reporter

Generates scheduler or event driven reports. Distribute Reports automatically over email or intranet web sharing.  
Standard reports: Generate reports through Microsoft® Excel™ using a fast and convenient report wizard interface.  
Reports, Monthly Energy Consumption reports are available and modifiable.  
Aggregate Billing reports – System-wide usage patterns over the specified date range, including timestamps and peak values.  
Custom reports: Use Visual Basic® for Applications or any off-the-shelf SQL Server reporting tools, such as Crystal Reports.  
Integrate e-Tools data with other databases to reveal true business conditions.

#### EEBS Alarms & Controls

Configure alarms to pop a message or trigger an event for equipment outages, power down time or equipment conditions.  
Annunciate alarms through operator workstations, hooter announcements, audio announcements, and email, SMS and pager.  
Configure complex alarm conditions including the historical data addition into the alarm derivation formula.  
Log complete information on an event, including related coincident conditions with accurate timestamps.  
Perform fast, manual control operations by clicking on-screen trigger buttons; operate remote breakers, relays and contactors.  
Developed drivers for actuating the signals.

#### Advantages of CMS EEBS software

Energy Meter Independent; uses the meter templates & driver for data collection; this gives the user the flexibility of integrating any type of meter without developing device drivers

The software can integrate meters data and status data of the DI/DO modules in generating the control signals.  
CMS EEBS is easily upgradeable. The network configurations can be changed on field.

The applications can be enabled or disabled based on the operating conditions or manually operated soft keys.

Can also be integrated with pulse type Energy meters.

No tag/ meter limits

On-screen formats are user definable at any time

Multi level password protection

Web server is readily available at no extra cost.

Optional OPC Server for exporting to other DCS & SCADA system

The software can run simultaneously on another server for redundancy purpose and can switch between the servers.

#### Possible Future Expansions

The CMS EEBS software has the capability of reading all types of Energy meters using its meter templates. The software can also read RTU's. The network can also be expandable by adding DCUs/ meters without any extra cost on software.

Demand Management

PF Optimization

Energy Auditing

Distribution Transformer metering

Distribution Loss analysis

e-Tools software is a comprehensive Energy Management solution for energy generating companies and industrial companies that need to maximize their revenues. For energy users, it provides information to understand the areas where energy losses occur so that the needed strategies can be formulated to bring down these losses. The software can be used on a wide range of networked media including RS-232, RS-485, Ethernet and wireless, to name a few. Its Web-enabled access provides immense flexibility in sharing Energy Information to all plant personnel ranging from management, O&D, Engineering, Commercial departments and so on. E-Tools helps users watch real-time power conditions, analyze power quality and reliability, and respond to alarms to reveal energy generated VS available capacity, as well as verify efficiency improvements. The software uses SQL to connect to the database.

### Key Features

- Scalable in network size and number of devices with a flexible architecture. Users can add hundreds of metering points at their convenience. It uses MS Excel interface for complex data processing and control functions.
- Collects data from power and energy meters over RS-232, RS-485, Ethernet, wireless (GSM/GPRS) and other industry protocols, equipment and web services
- Shares data with third-party SCADA, Plant automation and Commercial business systems like PI servers, SAP/ERP. Connects to various databases.
- Accessible over intranet for customized system data screens, real-time and historical data, status indicators and alarm management.
- Modules for preconfigured and custom reports.
- Supports Microsoft Excel and other third-party reporting tools. Reports can be scheduled for distribution via email or other methods.
- Provides online/offline trends: It can graph any combination of measured parameters; and aggregate loads
- Built in Alarm Manager to trigger complex conditions, generate alarm messages, and log all relevant event data
- Built-in functions to trigger applications to control an external MODBUS device: The set points can be operated manually or automatically.
- Supports SQL SERVER 2008 Express

### Real-time monitoring

- Displays Single Line Diagrams (SLDs) visualizing main distribution system across one or more substations or PCCs. The diagrams can be viewed over intranet.
- Displays real-time power and energy measurements in meter templates or group wise; historical data with selectable parameters (e.g., temperature, pressure, etc.) as selectable menu items.
- Uses MS Excel to perform sophisticated data computations. Displays and logs derived values based on real-time data.
- Easy to design user diagrams for customized views representing readings in numbers, bar or trend graphs, one-line diagrams, etc.
- Easy to switch between diagrams, easy to move to deeper levels of detail, for example, start with a substation overview diagram and drill down to a specific feeder or equipment.
- template for real-time data and open pre-configured queries for historical data analysis.
- Groups relevant devices and parameters together to gain convenient status readouts.
- Easily extract and analyze a selected range of information from the database using a query wizard

### Reporting

- The eTool Reporter comes with a manual report generator to generate reports manually at any time and configure reports to be generated automatically over email. The scheduled reports are concurrently saved to a folder on the plant intranet for easy access.
- Reports are generated in Microsoft® Excel™. The Excel sheets can be formatted as per the user requirement based on the report type.
- Different types of reports like UI Analysis Report, ABT GAP reports are available and modifiable.
- The reports can be of a wide time range starting from block wise, hourly, daily, weekly, monthly, quarterly or yearly intervals.
- The reports are further customizable using VBA or with any SQL Server reporting tools. The reports can also combine data from multiple sources like management reports.

### Trend Analysis

- Generates a maximum of eight parameters in any single diagram either as separate graph scales or on a single scale.
- Generate graphs of any measured or derived parameter.
- Graph aggregates load profiles from multiple metering points or compare related parameters from across your entire plant.
- Create usage profiles to reveal demand peaks, over load trends, or unused plant capacity
- Track plant-wide energy-related costs for each substation, feeder, process or equipment or area.

### Alarms and Events

- The Alarm Manager can be used to generate alarms on block outs, outages, load tripping, equipment down time etc.
- The user can configure alarms to generate messages on power outages, power supply variations in Voltage & frequency, etc.
- Can generate alarms on communication failures from metering devices or network component failures.
- Alarm messages can be distributed through operator workstations, email, and SMS as customized pre-configured messages.
- Alarms can also be configured using combinational logic in MS Excel to generate on complex or summary conditions.
- Can be configured to log all associated event data to generate a report.

Log complete information of an event with accurate timestamps.  
Manual and Automated Control

eTools has a provision to manually send control signals by clicking on-screen command buttons to operate remote I

. Use the EMS Callbook feature to perform automated control over distributed equipment:

Supports a wide range of applications:

- o Switch on/off non priority loads to maintain demand under limits, remote loads, etc
- o Switch On/Off capacitor banks to correct power factor, optimize Demand and avoid penalties.

The main components of eTools Software are:

- o Network Management and Configuration Module
- o Viewer for front end GUI

Reporter

- o Alarm Module for pop-up alarms
- o Query Wizard Processor for Data analysis
- o SMS Server for sending emails on alters
- o Web Server for distribution of viewer views over LAN/WAN/WWW.
- o Schedulers for report generation & distribution

trivector meters

Class 0.2S ABT Meter

Single Phase Trivector Meter

Three Phase CT Operated Meters

Three Phase Whole Current Meter

The RM 808H is an AC Static Three-phase CT Operated Electronic Multi-tariff Multi function Energy Meter that measures energy consumption. The meter has an option of measuring the ABT Parameters and can be integrated with any A energy. The RM 808H is rugged in construction and monitors a wide load range with high sensitivity and low power ed communication modules. All features comply with the relevant requirements of Indian and International standards. Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
3. Monitors, Displays and transmits:

Voltage & Current (Phase & Line)

PF (Phase & Line)

KW, KVA & KVAR (Phase & Line)

HZ

KWh, KVARh (Lag & Lead), KVAh

Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes billing data for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the la e users convenience.
5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral

Current Failure  
Current reversal  
Magnetic Interference  
Power failure  
Voltage Imbalance  
Current Unbalance  
Phase reversal

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours : The meter measures displays, stores and transmits the load on hours. The parameter is useful for

The RM 102 is a LT AC Static Single-phase Electronic Multi-tariff Multi function Energy Meter that measures basic power consumption. It has TOD measurement and prepayment control for active energy. This Meter is rugged and useful for controlling and low power loss. It features a built-in Tamper Events Capture, RTC and high-speed communication modules. Not only for AMR applications, it is also compliant with Indian and International standards.

#### Features

1. The meter comes with a built-in RS-485/RS-232 communication port supported by the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can download data for stand-alone meter applications.
3. Monitors, Displays and Transmits

Voltage & Current  
PF  
KW, KVA & KVAR  
HZ  
KWh, KVARh, KVAh  
Maximum Demand

4. Billing Reset & Records: Billing periods are user definable. The user can reset billing parameters either in auto mode or manually for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the last 12 months of billing data.
5. TOD Setting: The user can program 18 different time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window integration. The demand interval is user definable.
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
Current Failure  
Current reversal  
Magnetic Interference  
Power failure

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours: The meter measures displays, stores and transmits the load on hours. This parameter is useful for

The RM 705R/ RM 808H are AC Static Three-phase CT Operated Electronic Multi-tariff Multi function Energy Meters that measure power consumption. They feature TOD measurement and prepayment control for active energy. These meters are rugged and useful for controlling energy and low power loss. The meters feature a built in Tamper Events Capture, RTC and high-speed communication modules for integrated AMR/AMI applications. All features comply with Indian and International standards.

#### Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
3. Monitors, Displays and transmits:

Voltage & Current (Phase & Line)  
PF (Phase & Line)  
KW, KVA & KVAR (Phase & Line)  
HZ  
KWh, KVARh (Lag &Lead ), KVAh

## Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes billing data for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the la e users convenience.
5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
Current Failure  
Current reversal  
Magnetic Interference  
Power failure  
Voltage Imbalance  
Current Unbalance  
Phase reversal

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one mo
9. Load on Hours: The meter measures displays, stores and transmits the load on hours. The parameter is useful for

The RM 1003(10A - 100A) and RM 0403(5A- 40 A) are LT AC Static Three-phase Electronic Multi-tariff Multi function En ntrolthe load based on energy consumption. The meters have the TOD measurement and prepayment control for ac e with high sensitivity and low power loss.

They feature built-in Tamper events capture, RTC and high-speed communication modules. The RM 1003 and 403 ar features comply with Indian and International standards.

## Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Proto
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
- 3.Monitors, Displays and transmits:

Voltage & Current (Phase & Line)  
PF (Phase & Line)  
KW, KVA & KVAR (Phase & Line)  
HZ  
KWh,KVARh (Lag &Lead ),KVAh  
Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes billing data for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the la e users convenience.
5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
Current Failure  
Current reversal  
Magnetic Interference  
Power failure  
Voltage Imbalance  
Current Unbalance  
Phase reversal

- 8.Load Survey – The meter records KWh, KVARh,KVAh, MD parameters at 15-minute intervals for a period of one mo
- 9.Load on Hours : The meter measures displays, stores and transmits the load on hours. The parameter is useful for

CMS is a leading provider of world class Energy Management Solutions in India. Our solutions are utilized by India's top utilities. We have solutions ranging from Availability Based Systems to Electronic Energy Billing Systems. We also have plans to expand our reach to other parts of the country.

We also customize our readily available solutions for client needs and our solutions team ensures that these are implemented successfully. Click here to know more about our Energy Management Solutions.

[Overview](#)

[Availability Based Tariff \(ABT\)](#)

[Electronic Energy Billing System](#)

[Energy Management Solutions](#)

## Availability Based Tariff (ABT)

CMS brings a revolutionary solution for the power sector with an aim to bring in more accountability and efficiency in the power sector. Availability Based Tariff Systems provides frequency-based tariff structure to utilities and power distribution firms to avoid rapid and high fluctuations in power prices. The system can also be integrated with other systems like PI Servers, SCADA, SAP/ERP etc. CMS's ABT systems have been implemented by leading utilities including the likes of National Thermal Power Corporation, Adani Power, Tata Power and Gujarat Industrial Power Corporation.

## Key Functions

Data collection from various meter types and technologies

Industry-standard rules to validate and estimate meter data

Pre-built framework to add custom rules

Automated and manual editing of data

Work queue and exception management functionality

Interfaces based on standard file formats

Standard meter data management reports

Log meter and revenue protection events

Unscheduled interchange energy accounting – finding the difference between allotment vs. actual consumption with

Missing meter data estimation for bulk supply billing

Meter data validation to detect possible energy meter malfunction

Frequency-based and availability-based tariff billing

Interstate long-term open access customer billing

## Key Benefits

Analyses data with respect to CERC Regulations for unscheduled interchange (UI) exchange

Online UI calculation

Online calculation of percentage of schedule generation (SG)/drawl or declared capability (DC) till the last time block

Online average running generation/drawl during the current time block

Online average running frequency of the current time block

Online asking Rate in MW to meet schedule of the current block

Online desired generation/drawl for the next coming blocks of the day to meet 101 % of DC

Graphical display of actual generation/drawl v/s Average Frequency

User defined graphs, displays and reports

Programming of Scheduled generation/drawl into the system

High accuracy due to calculations at meter end.

#### Key Components

RM 808 H ABT meters

Communication links

ABT / Energy Meters

RS 485 to Ethernet Converters

Shielded Twisted Pair RS 485 communication cable

Network Switches

GSM/GPRS Modems

ABT Server

eTools Software

#### Electronic Energy Billing System

CMS is a leading solution provider of Enterprise Electronic Billing Systems (EEBS) to power utilities and large-scale enterprises. CMS regulate the information related to energy consumption within a given organisation, enterprise or cluster of residential consumers. CMS provides the solution on a turnkey basis including design, supply, installation, testing and commissioning of the system, reports, alert messages and control outputs. EEBS employs established and proven communication media like GPRS, Ethernet, etc. in its architecture.

#### Key Functions

Tracking the real time power consumption status

Analysing historical trends and maintaining MIS reports.

Escalation of critical alarms

Detection of energy thefts

Common equipment loading patterns

Payment status of end-users

Generation and dissemination of energy consumption reports to consumers

Monitoring of no-power complaints

Central Log of Energy Meter data

#### Key Benefits

Economical feasibility

Centralized Monitoring of Energy Meter data

Automatic Bill Generation

On spot Tamper detection

Time-of-day (TOD) feature for polyphase users.

Remote disconnection Facility for payment defaulters

Choice of pre-payment or post payment with switching options

Separate energy tracking and switching between diesel generator sets & utility power

Load management including intimation on threshold limit crossings

EEBS employs advanced RM series AC Static Trivector Energy Meters with a quality of adapting to diverse climatic conditions.

The meters have fast data updating interval and in-built memory to store data and give data redundancy for 45 days.

All networked meters are time synchronized and avoid data discrepancies.

Communication media is cross compatible, highly scalable and operates at very low transmission delays.

#### Key Specifications

3-phase 4-wire LT/HT Tri-vector smart meters Model RM 808H/RM 705 R with output to cut-off contactors  
3-Phase 4-wire Whole Current Trivector with RM 1003/RM403 with/without in-built cut-off contactors  
EBS software  
Communication and media converters

#### Energy Management Solutions

CMS's Energy Management Solutions (EMS) is a high-end energy management solution comprehensive and easy to use with expandable functions for energy calculations.

In CMS's Energy Management System, the software performs Master Station functions as well as advanced graphical displays across continents. The result is much higher performance and return on investment to many groups within an organisation and control capabilities necessary to enable management, accounting, engineering and maintenance personnel. The system can also be integrated with other systems like PI Servers, SCADA, SAP/ERP etc. It provides needed information (e.g. power outputs etc) to help note the real time power consumption status, historical trends, critical alarms, identify energy issues.

Real time energy monitoring  
Portfolio management of energy consumption  
Decrease Downtime  
Accelerate problem response  
Escalation of overuse/underuse of energy  
Provides customised reports in various user-friendly formats

#### Key Benefits

Equipped with high-end power & energy monitoring devices.  
Capable of working at the varying operating conditions (Like varying ambient temp. input power supply variations, etc).  
The monitoring devices have fast data updating interval for uploading data to Master devices (Response time is as low as 100ms).  
The monitoring devices have in-built memory to store data and give data redundancy for 30 days.  
All network devices are time synchronised and avoids data discrepancies.  
The communication media is compatible with globally recognised communication modes & protocols.  
The network system operates at very low transmission delays. It is scalable to meet the requirements for expansion.

#### Key Components

Energy meters with user defined accuracy class. Class 0.2 or Class 0.5.  
Centralised server with user defined clients for energy monitoring.  
SMS modems to deliver emergency event messages to users.  
e-tools energy management software.  
Web server for accessing the information globally.  
OPC clients for interoperability of system through the enterprise.



## Connect

If you want to know more about the solutions offered by Our  
Energy Management Solutions Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)  
022-41259000

## Resources

Smart Grid Solutions

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Energy Management Solutions

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Integrating Content Delivery Systems

CMS's Media & Broadcasting Services offers most advanced and cost-effective content delivery systems to our clients. Media & Broadcasting Solutions, a division of CMS Computers Ltd, is India's leading and most trusted solution provider for end-to-end solutions for TV Satellite Channels and high-end application areas like e-classroom and Telemedicine, well recognised for providing state-of-the-art digital broadcast solutions and delivering outsourcing services.

Within the sector chain, our portfolio ranges from consulting, software deployment and system integration to the core jobs. With pan-India presence and expertise of more than three decades, CMS provides nothing but the best price performance. We represent some of the biggest equipment manufacturers from the Broadcast Industry like Sony, Apple, Octopus, etc., as we offer maintenance and facility Management services to satellite channel, production houses, educational institutions, etc.

With pan-India presence and expertise of more than three decades, CMS provides nothing but the best price performance.

CMS's Media & Broadcasting Services has evolved from a distributor of Sony's broadcast equipment to a major solution provider, as a turning point not only for CMS but also for the broadcasting industry. The buyout brought CMS's rich experience and brought a major push to the technologies available in the industry. We have many firsts on our name including the introduction of the industry with multilevel expertise and escalations.

In addition to providing Server, Storage, Automation, Editing & NRCS services to the above companies, CMS is also providing value added media services to educational institutions, self-governments (Through E-Gov Initiatives) and citizens. **Solutions and Offerings**

Provider of Satellite Channels on Turnkey basis

Telemedicine Infra Facilities

AMC & FMS

E – Education

Streaming Solutions and Multiscreen Delivery

Skilled Resources Hiring

With our experience in traditional broadcasting technologies and our understanding of new age online channels CMS has the capability to help deliver your content to millions of users across multiple channels like television, and online. Our solutions are helping traditional Indian broadcasters cater to their consumers over multiple channels fuelled with content without compromising on operational efficiencies or quality. Know more about our wide range of broadcasting solutions.

Overview

News Room Computer System

Satellite Broadcast Solution

Tele-Education/e-Learning/Virtual Classroom

Tele-Medicine & Bio-informatics

## News Room Computer System

CMS Computers Ltd offers end-to-end News Room Automation services at quality levels defined by global standards. Newsrooms face significant production challenges, especially in today's competitive environment. Constant connectivity is one of the key factors to building a strong broadcast offering. Managers are required to produce more content in different formats in a demanding environment often saddled with budget and staffing constraints.

Whether customers today are managing a mid-sized local newsroom or a large, multi-site news operations, they are required to meet high quality standards.

CMS's News Room Computer System is designed to meet the complex requirements of media networks, production studios, and end-to-end video production and all the hardware components necessary for smooth operations. It features the latest technology for the expected broadcasters. An innovative file based workflow brings in unprecedented efficiencies. The solution is simple to use. It allows logs to a playlist, using drag and drop playlists, trimming, and viewing, without purchasing additional products. This system is easy to integrate. The NRCS system takes care for all the key areas of the broadcast chain such as collaborating, exchanging information, and managing content used in today's fast moving news presentations. It also organizes live or recorded news content such as video, texts, and graphics into the run order.

CMS's newsroom solution has gained popularity and recognition worldwide. Our systems have successfully been installed in newsrooms such as IIT, Jamia Millia Islamia, RSTV New Delhi, i-witness Haryana, GSTV Gujrat, Kashish TV Ranchi, HMTV Hyderabad, and many more. The secret behind our success is our passion to introduce the latest technologies and trends in the broadcasting industry. Our core values are flexibility and reliability. In addition we understand that every customer is unique and deserves a customized solution for CMS and its goals.

## Satellite Broadcast Solution

In an age of constant connectivity and 24X7 updates, CMS's Satellite Broadcast Channels & Routing Solutions provide the necessary infrastructure to make them leading players in their own right.

CMS Computers Ltd is a leading System integrator (S.I) of Satellite Broadcasting solutions. We provide a complete package of the core products and services that we bring to our customers include:

Studio Setup

Field Content creation & collection

Editing & Managing

Online Archiving and Library management

News Room Automation

Master Control Automation

Media Asset Management

Content security

Teleport and Monitoring

Storage

RF Solution/OB integration/DSNG

Production House

Radio System

## Tele-Education/e-Learning/Virtual Classroom

CMS plays a pivotal role in providing a technological edge to the education sector through distance learning and com across premier institutes on Media Labs, e-Learning and High Performance Computing.  
CMS Solutions for Distance Education include

## Virtual Classroom/e-classroom

## Wi-Fi Campus

## Virtual Library

## Guest Lectures Through Internet or WAN

## Audio/Video Conferencing

Media Lab

## HPC (High Performance Computing)

The main modes of communication are audio, video and computer enabled. Audio technologies involve the transmission of audio signals synchronously or asynchronously. Examples of asynchronous transmission include audio-conferencing and short wave radio; audiocassettes.

Video for distance learning, like audio, can be used in either synchronous or asynchronous modes. Synchronous Video provides an opportunity for live visual and verbal interaction between instructors and learners. Asynchronous instructional video tools

Computer-assisted learning or instructions can be defined as learning mediated by a computer, which requires no direct teacher intervention to run. This practice is becoming increasingly common. Examples include: the Internet, email, synchronous and asynchronous multimedia applications on CD-ROM.

CMS Computers provides whole integration in Tele-education. Its comprises of Video and Audio two way communication regarding any topic at any time with their computers and then a pop-up shows up on the Instructor's Screen. Audio between learners and instructors, either synchronously or asynchronously.

## Tele-Medicine & Bio-informatics

With over 30 years of experience in broadcast and IT, CMS has joined hands with the medical fraternity to offer state-of-the-art solutions. CMS can not only provide solutions to the medical fraternity and research institutions for IT and content management integration in their existing systems but can also set up new systems as greenfield projects.

Telemedicine is the remote diagnosis and treatment of patients by means of telecommunications technology. Nations as well as rural healthcare projects (E-Gov).

CMS's Tele-medicine solution is an end-to-end solution for distance healthcare. CMS Tele-medicine solutions are available for a variety of uses, including patient consultations, research collaboration conferences, audio/video conferences between doctors or professional education and training activities, including broadcasting rounds, journal clubs and case presentations to colleagues. CMS also covers all

## Tele-conferencing (Audio/Video)

## Virtual Operation Theatre (OT)

## Real time or synchronous Telemedicine (Interactive Video-conferencing)

Store and forward telemedicine or Asynchronous (tele-pathology, tele-radiology, tele-dermatology, etc.)

Disaster management (Therapy in natural disasters like earthquakes, floods, etc.)

## Tele-therapy

Tele-Education (Medical courses/classes can be scheduled and conducted for students/doctors/specialists remotely)

## Primary care and specialist referral services

## Remote patient monitoring

Consumer medical and health information

These education sessions may involve two centers (point-to-point) or more than two centers, connected at one node. One advantage of this approach is that multi-disciplinary teams from different institutions can participate in a single event.

This ability to connect with teams from different regions enriches the learning experience for everyone involved. Many use video-conferencing to take up suggestions or discuss medical problems of patients seeking advice over a simple telephone call. Using real-time interactive video-conferencing doctors can carry out diagnostic tests such as E.C.G.



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Building Intelligent & Secure Workplaces

We offer turnkey surveillance & workforce solutions to our clients — helping them manage their human resources and security. CMS Computers is a leading domestic provider of security & surveillance systems and workforce applications in India with excellent capabilities in system integration and development of products related to surveillance and workforce management. From top corporate houses to critical government institutions like defence, space, infrastructure and military, our turnkey solutions are across all industries and size of businesses. Our marquee products and offerings have always stood the test of time as we keep a close eye on market trends and demand, which help them build advanced solutions for the clients.

#### Enterprise Security Solutions

CMS designs, installs, maintains and upgrades Integrated Security solutions with the insight and service to support a secure future for the future.

Some of the key benefits of working with us as a solution provider:

An ISO 9001 : 2008 organization certified by Underwriters Laboratories.

Nationwide presence at more than 100+ locations

Highly skilled and well trained project management and execution team

Help desk to cater to customer complaints through exclusive toll free number

Investment optimization through scalability of products & services

#### Workforce Solutions

Designed for complex and large-scale enterprises, CMS's Workforce Solutions delivers true labour optimization on a large scale.

At CMS, our objective is to help our customers control costs, enhance manpower productivity and build a robust human resource management system.

Our web-based suite comprises of modules such as Access Control and Time Attendance, Time and Expense Management, Visitor Management and Visitor Management.

We achieve this by providing:

Complete automation: We engineer fully integrated solutions to eliminate error-prone manual processes. We also automate reporting, saving precious time.

High-quality information: We provide dashboards with real-time information, the kind of information managers need to make informed decisions.

User-friendly products: We get you up and running fast so you can start saving money sooner. Our solutions are completely intuitive and easy to use.

The experience you expect: For over 15 years, we have been working in a competitive sector of surveillance and workforce management, maintaining our leadership position in the market.

For the last 15 years, CMS has been delivering some of the best surveillance and workforce related products. We include segments including corporates, manufactures, oil refineries, government departments, financial institutions and more. We integrate all these through our excellent integration capabilities.

We develop our own state-of-art biometrics devices which are well-recognised in the industry and are regularly utilized by our clients. Explore more about a wide range of security and workforce products offered by CMS.

Overview

security

workforce

Test Image

security

Face Reader  
Fire Alarm  
Intrusion Detection  
Video Surveillance

CMS's Face Reader provides high speed access into buildings and restricted areas, making the security process effort of the user's face, it achieves extremely accurate matching while ensuring high throughput.

Market-tested and customer proven solutions that are interoperable, and designed to grow with you.  
Knowledgeable technical support team ready to help answer your questions and get you up and running.  
Authenticate users in under a second and can even differentiate between identical twins. Accurate matching using 40,000 templates.  
Hands-free access and customizable voice prompts.  
4-inch color LCD screen to aid in user positioning.  
Embedded platform with built in processing and biometric matching right on the device.  
Designed for the future of access control. IP capability means less cables and components to install.  
Interface directly to existing access control panels and card readers using Wiegand, RS232, RS422 or RS485 interface.  
Handle a high volume of traffic in order to authenticate thousands of employees as they start a new shift.  
Store up to 60,000 templates in the database verification.  
Log 100,000 events for audit trails Multi-Factor Authentication.  
Compatible with cards, PINs and biometrics.

Complete range of conventional, addressable and standalone fire alarm panels.  
Multiple type of smoke and heat detectors.  
Panels available with redundant power supplies to ensure reliable operation.  
Manual call points with break glass option.  
Seamless integration with various access control panels for door opening in case of fire.  
Various Control boards available for integration with other systems like HVAC, PA system, Alarm Annunciators, Gas S  
Panels available with 1-8 & above SLC's ( Loops ) with upto 125 detectors per SLC.  
Integration with other Life Safety systems and building management systems.  
Fire Alarm System Software for remote monitoring and administration.

Intrusion Detection using Infrared Barriers, IR+MW Barriers or Laser detectors  
Maximum reliability with minimum false Alarms  
Options available for directly triggering cameras for video recording  
Upto 650 feet of detection range using dual  
technology IR + Microwave barriers

System Integrator for major OEM's providing end-to-end visual surveillance (visual monitoring & post analysis of recordings)

Complete range on analog, IP, wireless systems.  
Major strength on providing explosion proof cameras in hazardous environment.  
Provide detailed consultancy (understanding requirement, scalability & better management).  
Provide video analytic solution to improve system efficiency and reduction of human errors.

workforce

BIO-ID  
Biometric Enrollment Software  
DC102-BIO  
UNO Invictus  
UNO Perso  
UNO Relish  
UNO Sentinal  
UNO Tempus

CMS's breakthrough BIO-ID product combines proven fingerprint identification technologies with state-of-the-art camera and image processing technology. The BIO-ID is available with wired and wireless connectivity options allowing for installation in offsite locations for attendance, time and attendance to physical access control. The BIO-ID 32-bit general-purpose processor with non-volatile memory supports existing applications like time attendance, access control, and security. It has a built in Mifare Smart Card reader for enhanced security.

Specifications

Arm9 Core processor with 64 MB RAM and 128MB Flash  
High Speed reliable fingerprint matching. Verification in <1 second and identification in <2 seconds  
Three security levels –Administrator, Supervisor, and Operator  
Enrollment directly on the reader by supervisor or administrator  
Real-time transaction data upload to a central server using GSM/GPRS  
Transaction log capacity of 50,000 records  
Communications – USB, RS232, GSM/GPRS Quadband, GPS Wi-Fi  
Contactless smart card reader for ISO 14443 Type A/B/T=CL cards  
500 dpi resolution Optical Fingerprint sensor with a capture area of 14mmX22mm  
128X64 pixels graphics LCD and 19 key polydome keypad including 4 programmable function keys  
1800mAh Li-Ion battery with in-built charger  
Dimensions: LXWXH (160X80X40) in mm Weight: Approx. 300 gms  
Operating temperature: 0 to 50 degrees  
Humidity: 95% RH non-condensing

Today's institutions, rely increasingly on automatic identification; and as they increase, so do attempts to defraud. In order to prove they are personally authorized to conduct any process

Biometric Enrollment Software

Full featured Biometric enrollment and verification software  
User selectable finger selection out of all 10 fingers  
Compatible with Windows 98, XP, Server 2000, and Server 2003  
Biometric operator logon for enhanced security to avoid misuse of the system



Duplication check during enrollment ensures that same employee cannot be re-enrolled  
Finger enrollment quality check with user selectable threshold to ensure only the best fingerprint get enrolled

CMS's breakthrough DC102-BIO product combines proven fingerprint identification technologies with state-of-the-art .  
The DC102-BIO is available with wired and wireless connectivity options allowing for installation in offsite locations for programs, time and attendance to physical access control.  
The DC102-BIO 32-bit general-purpose processor with non-volatile memory supports existing applications like time and attendance as a built in Mifare Smart Card reader for enhanced security

## Specifications

Hi-Speed, with reliable fingerprint matching. Verification in less than 1 second and identification of 1:500 in 1.5 seconds  
1:1 Verification & 1:N identification simultaneously  
Centralized fingerprint template downloading with feature of template upload from Terminal to central server (enrollment)  
Configurable Options: Template on card/Template in terminal  
Large 18X22mm, 500 dpi scratch card and ESD resistance Sagem Optical fingerprint sensor  
User Capacity 5000/3000/50000  
Fingers: 2 per user  
Operational Modes: FP Only/Card + FP + PIN/Card Only/Card + PIN/FP + PIN (User selectable)  
SD Card Interface for memory upgrade to 4GB  
Fully compliant to ISO 19794-2 and 19794-4  
Transaction storage 5000, Memory Upgrade option available for 50,000 transaction storage  
Communications RS232, USB, TCP/IP network compliant, Optional GPRS and CDMA support  
Seamless firmware Upgrades remotely over Ethernet  
Template Format: Proprietary, ISO 19794 and ANSI 378

Every organization has visitors – important clients, vendors, delegates and so on and every receptionist or security officer. Invictus ensures that the whole process of Visitor Management becomes a trouble-free and pleasant exercise to you and the reception for long.  
With Invictus you will never have an unauthorized visitor in your campus through quick and proper visitor registration and materials carried in and out, etc.  
With Invictus and Sentinel together, you have an option of issuing an access card to the user thus ensuring that your visitor is allowed to access.  
The prior appointment module in Invictus allows an employee to intimate the system of a visitor's scheduled arrival and his details are fed into the system.

UNO Perso allows personalization of your smart cards and biometric templates and has management features. With time - devices  
Features

Web-based card personalization with user data written to card  
Provision for fingerprint capture and storage in card  
Allow verification of fingerprint capture and storage in card  
Allows verification of fingerprint template written on card  
Additional security provision for card personalization through Mastercard and PIN

The ultimate in cafeteria management, no matter whether the cafeteria is owned or outsourced, Relish provides you with the ultimate cafeteria experience. Relish streamlines the overall cafeteria experience for the cafeteria user and the cafeteria management as well.

Benefits for Cafeteria User

- Interactive and user friendly Kiosk based touch-screen interface for meal selection
- Printed KOT for record purchase
- Optional smartcard or biometric based authentication

Benefits for Cafeteria Management

- Web-based interface for administering the application
- Provision to provide daily menu, weekly menu, cafeteria timeslots etc.
- Accurate and meaningful reports of consumption details employee-wise, department wise, day-wise, etc
- Control Employee/visitor access to kiosk interface

Sentinel combines the different aspects of Access Control into an elegant, versatile and powerful security management solution. It supports both cloud-based and on-premise manufactured Access Control Devices.

Features

- Cardholder Administration
- Configuring Access Permissions
- Anti-Passback
- Remote device management
- Interactive and detailed event viewer for real-time status view etc

Configure

- Readers upto 1024
- Controllers upto 256
- Access points upto 1024
- Unlimited Access Levels

UNO Tempus is a solution that can solve all your time and material issues related to workforce management. With Tempus, you can manage your workforce efficiently in real-time from anywhere.

Features

- Time management linked to time devices providing real-time visibility into workforce
- Leave and absence management
- Scheduling, Shift management
- Reporting & Analytics
- Overtime calculation
- Shift allowances
- Holiday Management
- Compensatory Off

Built in workflow with Employee self service module with proper authentication for

- Check roster
- Checking punches
- Check attendance details
- Check leave balance
- Apply for leave

Test Image

Test Image 123

CMS is a leading provider of highly reliable security & workforce solutions in India. These solutions are built with the organizations to enhance productivity and optimize investments without compromising on security threats, compliance. CMS's surveillance and workforce solutions are utilized by some of India's most secure institutions such as the defense. Discover more about our Enterprise & Security offerings.

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## Access Control

Access control systems allow your business to take control of your security with individualized solutions. Every business can keep threats to their security outside. An access control system helps business do just that in a simple user-friendly way. Every company has their own specific set of needs, which is why we can formulate, design and implement specific access control solutions. No matter how unique your needs might be, our engineers can work with you to create exactly the kind of access control solution you need. Whether you have a small room or a giant warehouse that stretches on for a half mile, you can get the access control solutions you need at a price that fits your budget. All of our various access control options come with our extremely reliable customer care, consultation, design, installation and maintenance. If you've been looking for with expert access control options from CMS.

### Features:

CMS provides a comprehensive portfolio of access control solutions to fit the requirements of any business regardless of size.

Smart Cards  
Biometric Readers  
Controllers and Door Locks  
Entry Barriers like Turnstiles  
Flap Barriers  
Swing Gates

## Security Solutions

The need to secure physical infrastructure from external threats has always been a major challenge for enterprises. With threats like fire, identity thefts and terrorism, it is to employ scalable solutions with regular upgradation of the technology. Therefore, we offer flexible, cost-effective and complete end-to-end security solutions to leading corporate houses, industries such as oil refineries and defence establishments. We offer diverse security products & solutions which include perimeter fencing, X-ray baggage scanners, biometrics and access control systems, road blockers, ANPR, etc. Our offerings include consultancy, planning, deployment, integration, audit and analysis of security architecture. CMS's strength has always been after-sales support (24 X 7) and our customers speak value for us which gets extended to oil & gas, banking, PSUs, government and manufacturing.

### Features

Identity management  
System Integration  
Deployment Services  
Video surveillance  
Biometric Security  
Building management solutions (BMS)  
Fire solutions  
Design & estimation, consultancy & turnkey installation

## Workforce Management Solutions

UNO is a comprehensive enterprise suite of modules that helps organizations of all sizes manage their workforce available in the campus. The suite when combined with CMS's access control and time data collection devices turns into control in your hands.

### Features

**Single Window Interface:** Each module in UNO is seamlessly integrated in one suite with a common interface using a single window to unnecessary hassles and duplication of work.

**Employee Self Service:** Application is accessible directly by the employees and validated by proper credentials. The portal provides a self-service interface for employees to manage their personal information.

**Real time data:** The data is made available to everyone from top managers to the lowest cadre of employees within the organization and easy to generate reports and analytics.

**Flexibility:** Provision to create roles for security in charge, manager, supervisor, IR, HR, management, etc.

Connect

If you want to know more about the solutions offered by Our  
Surveillance & Workforce Solutions Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)  
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Advanced Customer Support Services

B2C Service Delivery

Deployment Solutions

Operations & Management

Software Services



Systems Integration

## INDUSTRIES

Banking and Finance

Energy Resources & Utilities

Government

Manufacturing

Media & Entertainment

Transport & Traffic

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## Transforming Transportation Systems

After leading India's transportation management industry for three decades, CMS Traffic Systems, a division of CMS

Computers is now poised to revolutionise traffic technology through big data and analytics

CMS has been instrumental in the evolution of traffic management systems in the country for over the last three dec

cities under its wings, CMS's Traffic and Transportation Solutions is synonymous with the Intelligent Traffic Systems i

India's first manufacturer of traffic equipment but also the pioneer in introducing path-breaking technologies such A

Sign in the country.

Our cost-effective solutions and trailblazing initiatives have won us several accolades and recognitions from government

has built a strong credibility amongst the government and civic bodies through years of collaboration and dedication

transportation authorities demonstrates the confidence the industry reposes in us.

With over 300 projects spanning 80 cities under its wings, CMS is synonymous with Intelligent Traffic Systems in the

CMS Traffic Systems offers a wide array of marquee products and solutions related to transportation infrastructure.

With more than 150 employees, 5 regional offices and 9 regional centers across the country, we have unrivalled capa

expertise to the government agencies overseeing road infrastructure projects.

We have efficient, affordable & environmentally acceptable solutions for sustainable traffic requirements comprising

technologies. Not only does CMS provide the solution, it also helps customers find the right way to go about implem

implementations services. CMS's range of services take the customer through the entire life cycle of the product from

customized implementations to support and maintenance.

CMS is now looking to integrate various pieces of Intelligent Traffic Solutions through Internet of Things and elevate

level -- where commuters have more information access, transportation networks are more interoperable and moni

CMS's traffic and transportation products are widely recognised and trusted by transportation authorities in India. Being hardware manufacturers, our wealth of expertise and precision are reflected in our products and systems. Built to resist tough urban and intercity scenarios, CMS's vast range of traffic management products continue to make a difference in the face of challenge. Our products are easy to scale up with a brilliant track record of troubleshooting and least product failures in line with traffic and industry norms. Learn more about the features and specifications of the products offered by CMS's Traffic & Transportation Division.

Overview  
Traffic controllers  
LED signal lights  
pedestrian access systems (PAS)  
count down timers (CDT)  
variable message signs (VMS)  
vehicle detectors

controllers

Fixed Time Controller  
Smart Controller  
Portable Controller  
Solar Blinker

S-24  
Pelicon Controller

The S-24 is the perfect choice for stand-alone signaling applications, at major and minor junctions. It is a rugged traffic controller required for rural and urban areas. The S-24 also features a Police Panel and detachable LCD keyboard-programming interface so as to facilitate improvement in synchronization with GPS interface

FEATURES:

Powerful 32-bit microcontroller with 10 years battery back up for data as CPU.  
24 active and 8 passive output lines.  
Auto shut down on power fluctuation beyond threshold and auto start up on restoration with battery break up for R.  
Hardware and software conflict monitoring for Inter and Intra groups.  
System diagnostic function on LCD/ Keypad for output lines, Police panel and keypad operations.  
Facility for Synchronization through RS-485 bus.  
Cable-less synchronization using Global Positioning System.

APPLICATION:

Urban and rural areas for effective control of traffic flow.

CMS offers the Pedestrian Light Controlled (PELICON Controller) Traffic Signal to regulate traffic at urban hotspots where pedestrian movements are high. Featuring user-friendly operations with an illuminated Pedestrian Demand Push Button & LCD-Keyboards based on-site in police control and can be upgraded to a solar powered version.

#### FEATURES:

- Pedestrian actuated traffic signaling system.
- Reliable and long life push button switch mounted in the 'Demand box' for Pedestrian actuation.
- "WAIT" indication provided on Demand box to inform user that the request is registered.
- Slide switch provision for putting the system in Automatic mode.
- Flash switch provision for Police controlled hardware flash.
- On site programmability through HHT.
- On board RTC for Night flash programmability.
- Provision for operating on Solar powered system.
- Output switching through Solid-state devices.
- Input and output are optically isolated.

#### APPLICATIONS:

- Areas where pedestrian flow is critical.
- In front of Hospitals, Schools, Colleges, or Public utility buildings etc.

#### BENEFITS:

- Low cost and reliable.
- Can be upgraded to Solar Powered system with LED aspects.

UCON is an advanced and versatile controller, which can support anything from simple to complex architecture. The d on an application specific embedded Linux Operating System. UCON is designed for dense traffic management in n on for effective traffic control, but the UCON also comes with in-built features such as Lamp Monitoring, Voltage Fre ntrroller supports interfaces like USB, RS232 and CAN along with multiple connectivity options like Wired, Optic-Fiber,

CMS provides Portable Controllers for more specific and impromptu traffic management. The Portable Controller co signal junctions, accident zones, and so on.

#### FEATURES:

- 100% Battery powered Traffic Signal Controller.
- Low Power consuming LED signal heads.
- Single Traffic Pole with Signal Aspects on three sides
- Powerful Micro controller, with NOVRAM Data memory
- 9 active output lines with on-site programming facility.
- Hardware and software conflict monitoring.
- Low maintenance/ long life batteries.
- Specially made charge regulators for battery protection
- Easy and flexible installation

#### APPLICATION:

- Urban areas and rural areas for Special Events and Exhibitions.
- VIP Movements.
- Effective Traffic Control.

Built with bright LEDs for long-distance visibility, the CMS Solar Blinker is used for alerts and warning indications. As  
ed with maintenance-free batteries for uninterrupted operations. Suitable for unmanned remote crossings and min

#### Non-conventional Energy Resources

5000 Trillion Kilowatt-Hours of Solar Power is available per year in India. If properly utilized, this may reduce the bur  
&the US already use solar energy to run traffic signals.

#### FEATURES:

Totally Solar Powered controller, which works on 24V DC voltage derived from the Solar Power system.  
Especially suitable for long life LED signal heads, having low power consumption.  
Low maintenance/ long life batteries with customer configurable autonomy period  
Specially made charge regulators for battery protection.  
Powerful Micro controller, with NOVRAM Data memory, having 10 years battery back- up.  
24 active and 8 passive output lines with on-site programming facility.  
Hardware and software conflict monitoring for Inter and Intra groups.  
Facility for Synchronization through RS 485 bus and/or Cable less synchronization using Global Positioning System.

#### APPLICATION:

Urban and rural areas for effective control of traffic flow with Energy Conservation.  
Highways / Remote Areas without proper Power supply.

#### BENEFITS:

Easy and flexible programming facility ensures effective traffic control on any type of intersections.  
100% electricity cost saving and low maintenance ensures better buyback period.

led signal lights

CMS's LED ASPECTs feature a polycarbonate housing, bright LEDs, and optical performance matching European stan

#### FEATURES:

High intensity, even brightness.

Low degradation of brightness over time.  
Low power consumption.  
Longer life.  
Easy installation.  
Less maintenance.  
LIGHT OUTPUT(Cd) / POWER(WATTS) DETAILS:

RED(Blow)

YELLOW(Blow)

GREEN (Arrow)

Cd

Watts

Cd

Watts

Cd

Watts

265

10

385

10

105

3

DIMENSIONS:350 x 350 x 232mm (without visor)  
VISOR LENGTH:320mm  
SPECIAL SIGNS:Also available in a "snap-fit" mask  
OPERATING VOLTAGE:

90VAC to 130VAC  
170VAC to 270VAC  
19VDC to 27VDC

OPERATING TEMPERATURE:0° to 55°C

pedestrian access systems (PAS)

CMS's Pedestrian Access System (PAS) is an audio and tactile system that provides accessible crosswalks and helps navigation as support for visually challenged users. This unit is a feather in cap for CMS as it was exported to Latin America for the 2007 Cricket World Cup - 2007.

The PAS is housed in a compact controller box & fitted on the pole, situated at the side of road. Someone who wants to cross the road is accepted from the PAS by giving a single beep and it controls the LED graphics for WALK and STOP indications. It also has the following Features

OPERATING TECHNIQUE: 8 Bit Micro-controller based System.

OPERATING INPUT VOLTAGE: Isolated 12VDC Power Supply at 1.5 Amp

INPUT SIGNALS

- \* PED RED (AC/DC)
- \* PED GRN (AC/DC)
- \* WAIT(AC/DC)
- \* PED Demand

AUDIO OUT: Through 8Ohms/1Watt speaker.

OUTPUT TONES.

- \* Single beep @ 500Hz +/-25Hz when Demand button is pressed.
- \* Wait beep @ 1000Hz +/-50Hz with a repetition rate of 0.55Hz+/- 0.05Hz
- \* Transition tone (WAIT-WALK) starts with a burst at 3500Hz+/-500Hz and then decreases to 700Hz +100Hz.
- \* The crossing tone (WALK) is 500Hz +/- 25Hz with repetition rate of 8.5Hz +/- 0.5Hz, coupled by steady GRN LED Cluster
- \* The Flashing tone (WALK-FLASHING RED/GRN) is 500Hz +/- 25Hz with repetition rate of 4Hz +/- 0.5Hz, coupled by flashing RED LED Cluster
- \* The idle mode with no tone & steady RED LED Cluster

GRAPHICS: .

- \* Silver arrow represents PED Walk direction
- \* Green LED Cluster represents Ped Walk phase
- \* Red LED Cluster represents Do not Cross phase

ENVIRONMENTAL:

- \* Storage Temperature: 0 – 70°C
- \* Operating Temperature: 0 – 50°C
- \* Humidity:95%at40°C(Non-condensing)
- \* DIMENSIONS: 240mm (H) x 130mm (W) x 66mm (D)
- \* WEIGHT ~ 1Kg



## count down timers (CDT)

The Count Down Timer (CDT) displays the time remaining on traffic signals. Fixed time traffic signal systems have a regular traffic characteristics.

Count Down Timers play a very important role in saving fuel lost while waiting at junctions. Vehicle users are not aware of their engines. This causes a fair amount of loss of fuel, while also adding to rising pollution levels.

CDTs help reduce driver anxiety by enabling lower noise pollution while also serving as a deterrent for signal jumping.

Features

3 Wire CDT-8 (2 1/2 Digit)

High efficiency Red LED's for day light visibility

Small and Compact size

Indicates balance time at the intersections

Low power consumption

Rigid and Sturdy enclosures to withstand all kind of vibrations and Weather conditions

Applications:

Display the balance time of Vehicular or Pedestrian signals.

Benefits:

Reduces fuel loss due to waiting periods at the intersections ? Reduces pollution at intersections

Implement proper discipline at intersections

## variable message signs (VMS)

Variable Message Signs â€" Dual Color

Variable Message Signs â€" Full Color

The CMS range of Variable Message Signs (VMS) is an intelligent choice to convey up-to-the-minute information in real time. Featuring the latest in Light Emitting Diode (LED) technologies coupled with intelligent, computerized control systems, CMS has up-to-date decision support information at all times.

CMS VMS systems are employed across heterogeneous applications and environments. Their primary function is to convey information in a quick and efficient manner.

Each CMS system is personalized to suit application specific conditions such as message length, viewing distance, and environmental conditions. Computerized control systems provide automated or user defined message update options.

CMS Variable Message Signs employ the latest generation Light Emitting Diode (LED) and associated control technologies.

The system also supports multiple languages available through text and graphics, depending on the application.

CMS offers a wide range of single color, bi-color & full color VMS models compliant with international specifications.

FEATURES

5 Line Multilingual Display (English, & Hindi)

Multiple Font size options.

Configurable Line Attributes (Steady, Flash, Top/Left entry etc)  
Single/Double color Pictograms.  
Hi Bright dual color (Red & Yellow) Wide Angle LED for daylight Visibility.  
High life expectancy, low maintenance.  
Message transfer to remote location via wired or wireless (GSM-Data / GSM-SMS) communication Channels.  
Message storage and Scheduler facility.  
User friendly Software adaptable to Central Control system.  
Clear visibility from long distance.  
8 Stages Dimming facility.  
Typical unit dimensions of 3.5Mtr(W) X 1.9Mtr(H).

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Each CMS system is personalized to suit application specific conditions such as message length, viewing distance, and environmental conditions. Computerized control systems provide automated or user defined message update options.  
CMS Variable Message Signs employ the latest generation Light Emitting Diode (LED) and associated control technology.  
The system also supports multiple languages available through text and graphics, depending on the application.  
CMS offers a wide range of single color, bi-color and full color VMS models compliant with international specifications.  
FEATURES:

Full color Full Matrix outdoor VMS with Oval LED  
Over billion colors.  
Supports Multiple formats.  
Interfaces to Sound Signal and Video Signal (Optional).  
Shows all kind of word, text, images and other information.  
Available in both, Synchronous (with PC) .  
Asynchronous (without PC) Control System.  
Supports GPRS based wireless communication for asynchronous system.  
Hi Bright Wide Angle LED for daylight Visibility.  
High Life expectancy, Low maintenance.  
User friendly software.  
Clear Visibility from long distance.

## vehicle detectors

Loop Based Vehicle Detectors  
Video Based Vehicle Detectors

There are a number of ways to detect vehicles and inductive loop technology is the most reliable, bar none. CMS offers a variety of vehicle detection methods for traffic control.  
The loop vehicle detector system consists of three components: a loop (preformed or saw-cut), loop extension cable and a detector unit.  
OUTPUTS:

## STANDARD - RELAY

5 Normally closed contact, relay energized on power up and released on detection of vehicle (fail-safe output, on power down)

LED Indications

1. Green LED lights at power on & switched off to indicate fault on any channel.
2. Four Red LED's for detect / no detect indication.

OPERATING TEMPERATURE RANGE: 0°C - 70°C

SUPPLY: 12 ± 1 V DC

INDUCTANCE RANGE: 20 – 2000 mH (AUTOMATICALLY TUNED)

FAIL SAFE OPERATION:

A permanent detection output will be given in the event of open circuit loop short circuit loop or power failure (relay energized on power up and released on detection of vehicle (fail-safe output, on power down)). If the detector sees an "in range" inductance, except in the case of a short circuit close to its terminals, then the fault will be permanent until the next scan. The detector will also self heal following an excessively large inductance change by re-tuning itself to the new inductance.

MODES:

Each channel can be individually set to either presence or passage in presence mode, a detection output is given when the vehicle is in range (135ms) is given on vehicle entry. Further outputs are inhibited for 2 seconds unless the loop is fully cleared.

FREQUENCY:

Crosstalk between four channels of one unit cannot occur. Should crosstalk occur between channels on two different units, the detector will self heal by re-tuning itself to the correct frequency.

CHANNEL OFF:

Each channel can be disabled by putting all switches on that channel as skipped in a scan sequence.

RESET:

A reset push button is provided. Whenever switch settings are changed or retuning is required press the reset button. This will return the unit to its default annual Reset modes.

Video based vehicle detection technology is an integral part of the CMS Intelligent Transportation System (ITS) portfolio. It provides a wide range of behavior data collection capabilities.

CMS offers its customers high end Video based Vehicle detection systems to have a centralized management console. The system is designed to be easy to install and maintain.

Camera & detector board integrated in compact, esthetical housing .

Material:

Housing:

Aluminum, with integrated rain/sun shield.

OUTPUT TONES.

Window in glass

Screw Connectors:

- Power connector: 5-pins for power supply and RS-485
- Output connector: 5-pins for detection outputs
- Mounting Bracket: Aluminum tube; L = 25cm, Ø = 13mm
- Mounting Piece: U-profile, L = 18cm, glass fiber reinforced polyamide Attached to mounting bracket Retaining string

Mass 880 g (excl. cables)

Height x Width x Depth (max. dimensions, housing + mounting bracket):

- Vertically mounted about 45 cm x 16 cm x 12 cm

- Horizontally mounted about 41 cm x 18 cm x 12 cm o Diameter: about 12 cm

Temperature Range: from -34°C to +80°C

Camera Details

- Camera Type:
- Technology: Black & White CMOS
- Sensor Size: 1/4"
- Resolution: 640x480 pixels (VGA)
- Frame Rate: about 20FPS

Input Power: 12-26VAC/DC

Current Consumption: < 85mA @ 12VDC; < 50mA @ 24VDC

Power Consumption: ≤ 1,2W

RS-485 for configuring & viewing

4 Optical Coupled Dry Contacts: Pmax = 300mW, Imax = 50mA, Umax = 48VDC

CMS offers a whole range of Intelligent Traffic Solutions for urban and intercity transportation systems. CMS's Intelligent Traffic Solution is an integrated suite of solutions that combines Smart Information and Intelligent Traffic Management with new thinking in advanced intelligent infrastructure management. Having had decades of experience in this space, CMS also uses top technologies like Big Data to estimate traffic journey times. Find out how CMS is making Transportation & Traffic Management more efficient and intelligent in India.

Overview

Urban Traffic Solutions

Inter-Urban Traffic Solutions

Urban Traffic Solutions

Central Control & Monitoring System

Area Traffic Control System

Speed Monitoring and Enforcement Systems

Junction Surveillance Systems

CMS's Centralized Traffic Control System provides the facility to monitor & control different kinds of Traffic signals. It has a Graphical User Interface. A virtual private network is set up between all traffic signal controllers and the central control server for data integrity. The data communication network is modular and can be modified to accommodate additional traffic signal controllers.

All Traffic intersections are provided with Web enabled Traffic Controllers along with digital data communication facilities connected to the central control server along with signal timing details. The central control command allows authorized users to change the signal timing as per requirement.

Core Capabilities

Control Room Software with the capability of interacting with the Web Enabled UCON controller

Facility to monitor and control multiple controllers from the central control station

GUI with real time phase status information on preloaded junction diagrams  
Wired as well as wireless data communication options  
Summary view to display

Designed for the urban environment, CMS's Area Traffic Control System (ATCS) is an intelligent traffic control system. The ATCS uses real time junction data from vehicle detectors connected to Traffic Signal controllers. Taking this junction data into account, it calculates optimal cycle time, and feeds this input into the traffic signal controllers with a different set of stage timing to automatically reduce stoppage time, which in turn reduces overall journey time. The road traffic controllers can be connected to ATCS server through managed leased line network. Thus traffic monitoring is centralized. The system facilitates storing of traffic data for individual junctions over a period of days, including traffic pattern during peak hours, and analyze the same.

#### FEATURES

Every traffic intersection in the city provided with automated traffic signal controllers capable of operating in semi/full duplex mode. Inductive loop, microwave Detector or video based Vehicle detection cameras at each junction for real time vehicular data. Centralized real time Traffic Control & monitoring  
Adaptive Traffic Control System software to reduce stops & delay in the entire network  
High speed wired data communication network with fall back on GSM network in case of failure  
EN12368 Certified LED Signal Aspects on high flux LED on all traffic intersections  
Pedestrian push button facility for demand registration on all traffic intersections.

#### Mumbai ATC Implementation

Every traffic intersection in the city is provided with an automated traffic signal controllers capable of operating in semi/full duplex mode. Inductive loop, microwave detector or video based vehicle detection camera at each junction for real time vehicular data. Centralized real time Traffic Control & Monitoring  
Adaptive Traffic Control system software to reduce stops and delay in the entire network  
High speed wired data communication network with fall back on GSM network in case of failure • EN12368 Certified LED Signal Aspects  
ns  
Pedestrian push button facility for demand registration on all traffic intersection

#### Additional Features

Mumbai Urban Transport Project (MUTP) aimed at improving traffic and transportation in the Mumbai Area  
Traffic Control Project is Part of Traffic Management Component of MUTP  
The World Bank funded project implemented by Municipal Corporation of Greater Mumbai, with Pell Frischmann  
Project Covering 253 Traffic Intersections, implemented in two Milestones of 53 Traffic Intersections and 200 Traffic Intersections  
Telvent-CMS JV won Contract for the project  
Based on Adaptive Traffic Control Model, ITACA, developed by TelventTrafico, Spain  
Leased Digital Data Network with 128 Kbps bandwidth availability at each Intersection and 10 Mbps bandwidth at Traffic Control Room  
Combination of Inductive Loop and Video Camera based vehicle detection system  
Central Control Rooms with Video wall at Traffic HQ and Satellite Information Center at MCGM office.  
Proved effective in reducing average Cycle time in the region to 120 seconds.  
Improved average speed in the region by 10%  
Green Waves implemented for VIP Movements

CMS offers Speed Monitoring using its Autonomous Number Plates Recognition system. This system allows enforcement of speed limits. While enforcement is a longer process, enforcers can always use vehicle registration and information as a basis to catch violators.  
FEATURES

ANPR based speed enforcement system shall be deployed at strategic locations on various corridors. It uses linked Automatic Number Plate Recognition (ANPR) cameras to monitor the average speed of traffic over a section of road. ANPR camera continuously captures images of vehicles as they pass through the field of view. The number plates are recognized and if the same vehicle is captured again, the average speed of the vehicle is calculated over the known baseline distance.

If this speed exceeds the Police threshold, an offence record is created and violation images and data are logged. ANPR based vehicle tracking can be further interfaced with time based Road usage charge system to discourage motor

#### Red light violation Systems

Red Light Violation Detection System is a world leading technology in traffic enforcement utilizing inductive and non-inductive section.

It is triggered by Red Light signal and detects any vehicle movement ahead of the stop line during Red light period.

Any such violations are recorded using special cameras, including pre & post offense video clips.

It can be interfaced with E-challan system for automated offense challangeneration & dispatch.

CMS offers Junction Surveillance Systems that allow enforcers to observe traffic behavior at various high-density junctions. With cameras, the Junction Surveillance is useful for manual incident detection and enforcement

#### Features

Fixed & PTZ CCTV cameras are installed on gantries at strategic locations on various junctions and corridors

Provides real-time view of traffic flow

High speed High Performance Color PTZ cameras with night vision

Video over IP

Video Recording for Future Analysis

Cameras are monitored from the systems traffic control center to see how traffic is moving on approach roads and interchanges

If an accident happens on the approach roads, operators can assess the scene and provide information for public safety

Can be used to monitor law and order situation in the area

#### Inter-Urban Traffic Solutions

Emergency Call Box

Solar Based Solution

Video Surveillance & Incident Detection Systems

Weigh-In-Motion

Automated Number Plate Recognition System

Variable Message Signs " Full Color

Meteorological Solutions

Automatic Counting & Classification

IR Based Traffic Logger

The CMS Emergency Telephone is a versatile, easy to use and high visibility telephone found on long distance roads. It facilitates communication between the user and the operator at the control center, making it ideally suited as an emergency telephone or as a help line. This system conveys accident reports, breakdown notifications or other problems on major roads and highways.

#### FEATURES

GSM based communication

Single button operation

Intrusion reporting to control room

Windows based software

Easily upgradable in case of more number of ET units and lines

FRP cabinets to ensure light weight and ingress protection

100 days back up of data

Voice recording facility  
Complete solar based solution

Built with high brightness LEDs for long-distance visibility, CMS Solar Blinkers are used for alerts/warning indications. Equipped with maintenance-free batteries for uninterrupted operations. Suitable for unmanned remote crossings and minor roads.

The CMS range of Variable Message Signs (VMS) is an intelligent choice to convey up-to-the-minute information in real-time. CMS offers a wide range of Video Surveillance & Incident Detection systems for use in urban environments for traffic management. Using video surveillance systems, traffic management can become much more specific and action can be taken very quickly. Incident management; provide alarms & information to the user at a centralized console. Incidents would typically include stopped vehicles on freeways, over speeding vehicles, accidents, reverse moving vehicles etc.  
Features

Automatic Video Incident System shall be deployed at strategic locations  
Effective incident management completely depends on fast incident detection and fast incident verification  
Through real-time analysis of images of the camera, Incident Detection Module is able to detect all major incidents within a short time. This short time to detect and fast incident verification can seriously reduce the impact of the incident and prevent secondary incidents.  
Permanent Digital recording of incident to provide true account of incident as well as to help in future analysis

#### Modular & Flexible System

Software Based system uses video signals from any CCTV, PTZ, IP Cameras  
Rapid Identification & Notification of Incidents  
Audible & Visual Alarm within few seconds, after an incident occurs  
Wide Monitoring area to cover all directions & traffic lanes within Camera view  
Operating in Tunnels for incoming, moving away or mixed Traffic  
Enables Traffic Measurements per lane including speed, occupancy, counts, travel time etc.  
Permanent Digital recording of incident to provide true account of incident as well as to help in future analysis  
Log Manager allow visualization of system generated messages along with operator action

Weigh-in-motion (WIM) devices are designed to capture and record axle weights and vehicle weights as vehicles drive on highways. WIM systems provide effective weight management on Urban Highways and Traffic streams. Unlike static scales, WIM systems are capable of measuring vehicles traveling at a reduced or normal traffic speed and are not required to stop vehicles. This technology helps reduce traffic congestion at toll checks or entry exit points for freight transit. This makes the weighing process faster for vehicles, allows for trucks under the weight limit to bypass static scales or inspection.  
Features

Weigh-In-Motion (WIM) system shall be deployed at entry points of the City.  
WIM System shall consist of High Speed & Low Speed WIM stations.  
High Speed Weigh In Motion systems are installed in the main traffic Stream and weigh vehicles at normal highway speeds. High Speed WIM is used to pre-select potential overloaded vehicles in main traffic stream prior to vehicle weight enforcement. Low Speed Weigh In Motion systems are installed in a controlled environment such as a vehicle weight enforcement station with a speed limit of approximately 5 KPH.  
Automatic vehicle classification along with WIM allows for immediate indication of vehicle overload dependent upon vehicle weight.

Automated Number Plate Recognition System enables real-time identification of vehicles by capturing and analyzing the license plate number, an important dimension in the decision-making process for Access control, Security, road usage charge and Traffic management.  
Features:

Solution based on special pattern recognition algorithms  
The system uses Image processing and AI techniques.  
Can work with both standard and non-standard sets of number plates  
Varying character sizes, fonts & colors  
Varying contrast and dirty/damaged license plates  
Double row license plates

#### Benefits:

Gives a 24x7, faster and reliable alternative to manual registering of license plates  
No stoppages leading to faster throughput even during peak hours  
Faster, efficient and comprehensive data capturing and verification of the vehicle  
Capable of handling heterogeneity of license plates for various geographies and regions

The CMS range of Variable Message Signs (VMS) is an intelligent choice to convey up-to-the-minute information in real time. Featuring the latest in Light Emitting Diode (LED) technologies coupled with intelligent, computerized control systems, CMS VMS provides up-to-date decision support information at all times.

The CMS VMS systems are employed across heterogeneous applications and environments. Their primary function is to convey information in a quick and efficient manner.

Each CMS system is personalized to suit application specific conditions such as message length, viewing distance, installation location, etc. Computerized control systems provide automated or user defined message update options.

CMS Variable Message Signs employ the latest generation Light Emitting Diode (LED) and associated control technologies.

The system also supports multiple languages available through text and graphics, depending on the application.

CMS offers a wide range of single color, bi-color & full color VMS models compliant with international specifications.

#### Features

Full color Full Matrix outdoor VMS with Oval LED  
Over billion colors  
Supports Multiple formats  
Interfaces to Sound Signal and Video Signal (Optional)  
Shows all kind of word, text, images and other information  
Available in both, Synchronous (with PC) & Asynchronous (without PC) Control System  
Supports GPRS based wireless communication for asynchronous system  
Hi Bright Wide Angle LED for daylight Visibility  
High Life expectancy, Low maintenance  
User friendly software  
Clear Visibility from long distance

Weather can affect all aspects of daily life and CMS's Meteorological solutions help in enabling safe road operations.

CMS's Road-Weather Information Systems can be deployed at multiple locations and measure weather indicators such as temperature, humidity, etc.

#### Features

Road-weather information system (RWIS) shall be deployed at locations.

The System includes automated weather stations, data collection & communication system and Information Display.

#### Measured Parameters:

Precipitation  
Range of vision  
Relative humidity  
Air temperature  
Air pressure  
Wind  
Solar radiation



CMS offers Automatic Vehicle Counting & Classification technologies that help determine instantaneous traffic flow and manage congestion.

### Features

Automated Vehicle Counter & Classifier system shall be deployed at strategic locations to determine instantaneous traffic flow and manage congestion. Instantaneous Vehicle count & class information can be used to regulate and maintain vehicle count within city area. Multiple GATING algorithms can be used to achieve this. Instantaneous data is transmitted to central control station for storage and further analysis. Various AVCC solutions are available based on technologies like infra-red sensors, microwave radars, image processing etc.

### Features

TIRTL (The Infra-Red Traffic Logger) is a non-intrusive traffic surveillance system from CEOS Australia. Works on the Infrared sensor technology. A pair of Transmitter & Receiver is installed at both roadsides, to count & classify vehicles. Provides better than 95% classification accuracy and better than 97% count accuracy in Indian traffic condition. Provides Vehicle Class, speed, lane details with time & date stamp. Vehicle classification based on axel count, axel length, wheel size & wheel ratio. Capable of multilane operation. Easy to install & low maintenance. Capable of Bi-directional & multilane operation.

### Central Control & Monitoring System

CMS's Centralized Traffic Control System provides the facility to monitor & control different kinds of Traffic signals. Traffic signals are controlled through a Graphical User Interface. A virtual private network is set up between all traffic signal controllers and the central control station to ensure integrity. The data communication network is modular and can be modified to accommodate additional traffic signal controllers. All Traffic intersections are provided with Web enabled Traffic Controllers along with digital data communication facilities. Data is sent to the central control server along with signal timing details. The central control command allows authorized users to change signal timing as per requirement.

#### Core Capabilities

- Control Room Software with the capability of interacting with the Web Enabled UCON controller
- Facility to monitor and control multiple controllers from the central control station
- GUI with real time phase status information on preloaded junction diagrams
- Wired as well as wireless data communication options
- Summary view to display

### Area Traffic Control System

Designed for the urban environment, CMS's Area Traffic Control System (ATCS) is an intelligent traffic control system. The ATCS uses real time junction data from vehicle detectors connected to Traffic Signal controllers. Taking this junction data, it calculates optimal cycle time, and feeds this input into the traffic signal controllers with a different set of stage timing to automatically reduce stoppage time, which in turn reduces overall journey time. The road traffic controllers can be connected to ATCS server through managed leased line network. Thus traffic monitoring and control is centralized. The system facilitates storing of traffic data for individual junctions over a period of days, including traffic pattern during peak hours and analyze the same.

#### FEATURES

Every traffic intersection in the city provided with automated traffic signal controllers capable of operating in semi/full automatic mode. Inductive loop, microwave Detector or video based Vehicle detection cameras at each junction for real time vehicular detection. Centralized real time Traffic Control & monitoring Adaptive Traffic Control System software to reduce stops & delay in the entire network High speed wired data communication network with fall back on GSM network in case of failure EN12368 Certified LED Signal Aspects on high flux LED on all traffic intersections Pedestrian push button facility for demand registration on all traffic intersections.

#### Mumbai ATC Implementation

Every traffic intersection in the city is provided with an automated traffic signal controllers capable of operating in semi/full automatic mode. Inductive loop, microwave detector or video based vehicle detection camera at each junction for real time vehicular detection. Centralized real time Traffic Control & Monitoring Adaptive Traffic Control system software to reduce stops and delay in the entire network High speed wired data communication network with fall back on GSM network in case of failure • EN12368 Certified LED Signal Aspects on all traffic intersections Pedestrian push button facility for demand registration on all traffic intersection

#### Additional Features

Mumbai Urban Transport Project (MUTP) aimed at improving traffic and transportation in the Mumbai Area Traffic Control Project is Part of Traffic Management Component of MUTP The World Bank funded project implemented by Municipal Corporation of Greater Mumbai, with Pell Frischmann Project Covering 253 Traffic Intersections, implemented in two Milestones of 53 Traffic Intersections and 200 Traffic Intersections. Telvent-CMS JV won Contract for the project Based on Adaptive Traffic Control Model, ITACA, developed by TelventTrafico, Spain Leased Digital Data Network with 128 Kbps bandwidth availability at each Intersection and 10 Mbps bandwidth at Traffic Control Center Combination of Inductive Loop and Video Camera based vehicle detection system Central Control Rooms with Video wall at Traffic HQ and Satellite Information Center at MCGM office. Proved effective in reducing average Cycle time in the region to 120 seconds. Improved average speed in the region by 10% Green Waves implemented for VIP Movements

#### Speed Monitoring and Enforcement Systems

CMS offers Speed Monitoring using its Autonomous Number Plates Recognition system. This system allows enforcement of speed limits. While enforcement is a longer process, enforcers can always use vehicle registration and information as a basis to catch violators. FEATURES

ANPR based speed enforcement system shall be deployed at strategic locations on various corridors. It uses linked Automatic Number Plate Recognition (ANPR) cameras to monitor the average speed of traffic over a section. ANPR camera continuously captures images of vehicles as they pass through the field of view. The number plates are recognized and if the same vehicle is detected again, records the same vehicle, the average speed of the vehicle is calculated over the known baseline distance. If this speed exceeds the Police threshold, an offence record is created and violation images and data are logged. ANPR based vehicle tracking can be further interfaced with time based Road usage charge system to discourage motor vehicles from using congested roads.

#### Red light violation Systems

Red Light Violation Detection System is a world leading technology in traffic enforcement utilizing inductive and non-inductive sensors at the intersection. It is triggered by Red Light signal and detects any vehicle movement ahead of the stop line during Red light period. Any such violations are recorded using special cameras, including pre & post offense video clips. It can be interfaced with E-challan system for automated offense challan generation & dispatch.

## Junction Surveillance Systems

CMS offers Junction Surveillance Systems that allow enforcers to observe traffic behavior at various high-density junctions. With fixed and PTZ cameras, the Junction Surveillance is useful for manual incident detection and enforcement.

**Features**

- Fixed & PTZ CCTV cameras are installed on gantries at strategic locations on various junctions and corridors
- Provides real-time view of traffic flow
- High speed High Performance Color PTZ cameras with night vision
- Video over IP
- Video Recording for Future Analysis
- Cameras are monitored from the systems traffic control center to see how traffic is moving on approach roads and interchanges.
- If an accident happens on the approach roads, operators can assess the scene and provide information for public safety.
- Can be used to monitor law and order situation in the area

CMS offers a whole range of Intelligent Traffic Solutions for urban and intercity transportation systems. CMS's Intelligent Traffic Solution is an integrated suite of solutions that combines Smart Information and Intelligent Traffic Management with new thinking in advanced intelligent infrastructure management. Having had decades of experience in this space, CMS also uses top technologies like Big Data to estimate traffic journey times and predict congestion.

Find out how CMS is making Transportation & Traffic Management more efficient and intelligent in India.

## Overview

Urban Traffic Solutions

Inter-Urban Traffic Solutions

## Emergency Call Box

The CMS Emergency Telephone is a versatile, easy to use and high visibility telephone found on long distance roads. It provides a direct line of communication between the user and the operator at the control center, making it ideally suited as an emergency telephone or as a help line. This system conveys accident reports, breakdown notifications or other problems on major roads and highways.

**FEATURES**

- GSM based communication
- Single button operation
- Intrusion reporting to control room
- Windows based software
- Easily upgradable in case of more number of ET units and lines
- FRP cabinets to ensure light weight and ingress protection
- 100 days back up of data
- Voice recording facility
- Complete solar based solution

## Solar Based Solution

Built with high brightness LEDs for long-distance visibility, CMS Solar Blinkers are used for alerts/warning indications.

aled with maintenance-free batteries for uninterrupted operations. Suitable for unmanned remote crossings and mi

## Video Surveillance & Incident Detection Systems

The CMS range of Variable Message Signs (VMS) is an intelligent choice to convey up-to-the-minute information in re  
CMS offers a wide range of Video Surveillance & Incident Detection systems for use in urban environments for traffic  
Using video surveillance systems, traffic management can become much more specific and action can be taken very  
incident management; provide alarms & information to the user at a centralized console.  
Incidents would typically include stopped vehicles on freeways, over speeding vehicles, accidents, reverse moving ve  
Features

Automatic Video Incident System shall be deployed at strategic locations  
Effective incident management completely depends on fast incident detection and fast incident verification  
Through real-time analysis of images of the camera, Incident Detection Module is able to detect all major incidents w  
This short time to detect and fast incident verification can seriously reduce the impact of the incident and prevent se  
Permanent Digital recording of incident to provide true account of incident as well as to help in future analysis

## Modular & Flexible System

Software Based system uses video signals from any CCTV, PTZ, IP Cameras  
Rapid Identification & Notification of Incidents  
Audible & Visual Alarm within few seconds, after an incident occurs  
Wide Monitoring area to cover all directions & traffic lanes within Camera view  
Operating in Tunnels for incoming, moving away or mixed Traffic  
Enables Traffic Measurements per lane including speed, occupancy, counts, travel time etc.  
Permanent Digital recording of incident to provide true account of incident as well as to help in future analysis  
Log Manager allow visualization of system generated messages along with operator action

## Weigh-In-Motion

Weigh-in-motion (WIM) devices are designed to capture and record axle weights and vehicle weights as vehicles drive  
fective weight management on Urban Highways and Traffic streams.  
Unlike static scales, WIM systems are capable of measuring vehicles traveling at a reduced or normal traffic speed an  
This technology helps reduce traffic congestion at toll checks or entry exit points for freight transit. This makes the w  
vehicles, allows for trucks under the weight limit to by pass static scales or inspection.  
Features

Weigh-In-Motion (WIM) system shall be deployed at entry points of the City.  
WIM System shall consist of High Speed & Low Speed WIM stations.  
High Speed Weigh In Motion systems are installed in the main traffic Stream and weigh vehicles at normal highway s  
High Speed WIM is used to pre-select potential overloaded vehicles in main traffic stream prior to vehicle weight enf  
Low Speed Weigh In Motion systems are installed in a controlled environment such as a vehicle weight enforcement  
roximately 5 KPH.  
Automatic vehicle classification along with WIM allows for immediate indication of vehicle overload dependent upon

## Automated Number Plate Recognition System

Automated Number Plate Recognition System enables real-time identification of vehicles by capturing and analyzing  
portant dimension in the decision-making process for Access control, Security, road usage charge and Traffic manag  
Features:

Solution based on special pattern recognition algorithms

The system uses Image processing and AI techniques.  
Can work with both standard and non-standard sets of number plates  
Varying character sizes, fonts & colors  
Varying contrast and dirty/damaged license plates  
Double row license plates

#### Benefits:

Gives a 24x7, faster and reliable alternative to manual registering of license plates  
No stoppages leading to faster throughput even during peak hours  
Faster, efficient and comprehensive data capturing and verification of the vehicle  
Capable of handling heterogeneity of license plates for various geographies and regions

#### Variable Message Signs “ Full Color

The CMS range of Variable Message Signs (VMS) is an intelligent choice to convey up-to-the-minute information in real time. Featuring the latest in Light Emitting Diode (LED) technologies coupled with intelligent, computerized control systems, CMS VMS systems provide up-to-date decision support information at all times. The CMS VMS systems are employed across heterogeneous applications and environments. Their primary function is to convey information in a quick and efficient manner. Each CMS system is personalized to suit application specific conditions such as message length, viewing distance, installation location, etc. Computerized control systems provide automated or user defined message update options. CMS Variable Message Signs employ the latest generation Light Emitting Diode (LED) and associated control technologies. The system also supports multiple languages available through text and graphics, depending on the application. CMS offers a wide range of single color, bi-color & full color VMS models compliant with international specifications.

#### Features

Full color Full Matrix outdoor VMS with Oval LED  
Over billion colors  
Supports Multiple formats  
Interfaces to Sound Signal and Video Signal (Optional)  
Shows all kind of word, text, images and other information  
Available in both, Synchronous (with PC) & Asynchronous (without PC) Control System  
Supports GPRS based wireless communication for asynchronous system  
Hi Bright Wide Angle LED for daylight Visibility  
High Life expectancy, Low maintenance  
User friendly software  
Clear Visibility from long distance

#### Meteorological Solutions

Weather can affect all aspects of daily life and CMS's Meteorological solutions help in enabling safe road operations. CMS's Road-Weather Information Systems can be deployed at multiple locations and measure weather indicators such as temperature, humidity, etc.

#### Features

Road-weather information system (RWIS) shall be deployed at locations.  
The System includes automated weather stations, data collection & communication system and Information Display.  
Measured Parameters:  
Precipitation  
Range of vision  
Relative humidity  
Air temperature  
Air pressure  
Wind

## Solar radiation

### Automatic Counting & Classification

CMS offers Automatic Vehicle Counting & Classification technologies that help determine instantaneous traffic flow and  
Features

Automated Vehicle Counter & Classifier system shall be deployed at strategic locations to determine instantaneous traffic flow and  
Instantaneous Vehicle count & class information can be used to regulate and maintain vehicle count within city area  
Multiple GATING algorithms can be used to achieve this.

Instantaneous data is transmitted to central control station for storage and further analysis.

Various AVCC solutions are available based on technologies like infra-red sensors, microwave radars, image processing

### IR Based Traffic Logger

#### Features

TIRTL (The Infra-Red Traffic Logger) is a non-intrusive traffic surveillance system from CEOS Australia.

Works on the Infrared sensor technology

A pair of Transmitter & Receiver is installed at both roadsides, to count & classify vehicles.

Provides better than 95% classification accuracy and better than 97% count accuracy in Indian traffic condition.

Provides Vehicle Class, speed, lane details with time & date stamp

Vehicle classification based on axel count, axel length, wheel size & wheel ratio. Capable of multilane operation

Easy to install & low maintenance

Capable of Bi-directional & multilane operation

### Installation and Maintenance

Qualified engineers and technicians trained to the highest global standards in the industry

Operating from over 30 locations in India

Repair and maintenance of standalone/ networked traffic management systems in urban/ interurban infrastructure,  
t play a role in urban/ inter-urban traffic management and enforcement.

Smallest repair of existing equipment to complex installation processes of ITS components

Quick Response times tailored to meet customers' requirements

Typical services include: comprehensive emergency repair services, preventative maintenance, periodic inspections,  
essary traffic engineering activities.

Real time updates and reporting on installation progress & fault repair

Remote troubleshooting of complex faults ensures availability of the best possible expertise on field.  
Extensive support from Technical Support Group ensuring minimum disruption to ongoing traffic and minimal down

#### Training and Assessment

CMS's training centre provides regular trainings to customers on traffic engineering, controllers and accessories. Tra  
n care. Training is delivered by qualified personnel with more than a decade of experience in the relevant fields. Our  
ments of our customers' workforce and the industry in which we operate.

#### Consultancy Services

We aim to help our customers achieve their goals and meet their stakeholders' expectations by providing service ex  
is achieved by a dedicated team of highly trained and experienced engineers and consultants with a proven track rec  
country.

Our wide presence enables us to respond quickly to local requirements.

We are dedicated to providing support to our customers at all stages of the network management lifecycle, from str  
very and continuous improvement. Our experience ranges from standalone signalization projects to major urban an  
re and post implementation surveys, micro and macro simulations to emulate the effectiveness of improvement pro  
As a leading supplier of ITS solutions, our engineers and consultants have unparalleled access to knowledge and info  
ational field service organization. This provides our team with a unique insight into the operation of these systems a  
ctive traffic solutions.

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#### Resources

Intelligent Traffic and Transportation Solutions

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CMS offers a wide range of products

## EMERGENCY CALL BOX

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## FULL MATRIX GRAPHIC COUNT DOWN TIMER

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## IP Based Public Address System

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## UNIVERSAL TRAFFIC CONTROLLER

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## CMS Traffview Adaptive

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FULL COLOUR VMS – FCVMS

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CMS offers a wide range of IT services for different scales of businesses and varied industries. We help our

partners build a sustainable business process by designing, optimizing and managing IT infrastructures of our clients delivery framework.

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### Advanced System Support

## Our Objectives

- Improve agility & scalability within the organization
- Ensure complete support through entire product life cycle
- Improve maximum utilization of infrastructure
- Ensure maximum efficiency across infrastructure
- Best of breed experience of CMS products

CMS offers its customers high-end support services to maintain and optimize any technology stack that has been implemented. Our solution sets ranging from back-office support to step-by-step troubleshooting. Given that business today is 24x7 and any disruption results in major losses to a business, CMS ensures that its support services are available to its customers at all times.

### Range of Services

#### Annual Maintenance Support

CMS's Annual Maintenance Support plan allows customers to receive annual support for their purchases from CMS. These plans will ensure that you are in safe hands for the entire year without worrying about your technology failing.

#### Custom Software Support

Given how difficult it can be to maintain custom/proprietary software purchased from different vendors, CMS helps its customers. CMS helps diagnose any known issues with its experienced team.

#### End-to-End CMS Product Support

CMS offers its customers 100% support for all its products. This includes 24X7 contact centre support, field support and on-site support.

#### Infrastructure Support Across Complete Lifecycle

Infrastructure can get difficult to support, especially at the end of its lifecycle. CMS helps alleviate its customers' worries by providing comprehensive infrastructure support services.

#### Custom Hardware Support

Custom hardware support for proprietary hardware acquired from unique solution providers. While this type of support can be quite troublesome, but CMS's experience over the last few decades gives it a unique capability of being able to support custom hardware.

#### Advanced System Support

CMS brings advanced system support to its customers by providing 24X7 telephonic support for any system that you have implemented.

#### Back Office Support

CMS is able to support your backoffice processes in case of any issues. These support services are available to our customers to help them solve the issue right there.

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### Creating New Business Avenues

CMS provides a complete IT network and product delivery model to its clients, connecting them to a large base of rural population. Delivery model is one of the most important pre-requisites for the success of a product or a service. However, many businesses face challenges due to the country's diverse demographic and geographical features.

Therefore, CMS offers a unique opportunity to strengthen customers distribution networks of its clients by utilising its extensive network of 1000+ cities and 1.2 lakh villages across India. CMS has collaborated with some of the leading players from industries such as FMCG, Retail, and Healthcare to facilitate their offerings through excellent IT infrastructure, a robust payment gateway and extensive distribution channels.

### What We Do

Integration of Technology

IT infrastructure

Project Management

Building distribution platform for product delivery

Customer Relationship Management

Sales force  
Payment Gateway

### Our Objectives

Application of ICT in distribution of customer products and services  
Enhance market opportunities for partners  
Fast and Transparent Service Delivery  
Improve service quality and innovation  
Provide cost effective services  
Increase operational efficiency  
Enhance accessibility of information to citizens  
Provide an integrated approach to customer relationship

CMS through its Citizen Service Centre network as part of its e-Governance initiatives has the ability of reaching out to rural citizens who would be customers have not had the opportunity to consume modern services like mobile phones, internet and so on. Today, CMS can partner with CMS to bring rural citizens services ranging from Mobile recharge to railway booking.

### Our Range of Services:

#### DTH/Mobile recharge

With its highly extensive network of CSCs in different states, CMS allows telecom providers like Airtel, Vodafone, and others to offer mobile recharge and television services.

#### Life and Health Insurance

CMS enables access to life and health insurance to thousands of villages in India. These services are provided through its partners.

#### Bus and Railway Ticket Bookings

Providing convenience services to rural India, CMS brings easy booking of bus and railway tickets through its partners.

#### Employment Services

CMS's CSCs not only act as a channel to sell services in Rural India, but they also act as centres of employment or source of information for rural citizens across India.

#### Financial Inclusion

Financial inclusion is one of the key services offered by multiple partners using CMS's delivery channels. CMS acts as a channel for financial inclusion to rural citizens.

#### Sales of solar Products

Solar products are a great alternative for rural citizens to intermittent electricity that is generally available at the rural level. CMS offers solar products to the citizens that need them the most.

#### Domestic Money Transfer

Given the migratory pattern of many rural citizens to urban centres in the hope of finding better opportunities, there is a need for channels so that these citizens can send their earnings to their families. CMS brings families closer and helps rural citizens with their financial capabilities.

#### Utility Bill payment

CMS helps rural citizens manage their utility bills at an access point that is closer and more available than other options. This is particularly helpful for villagers with few transport options.

#### PAN Card Services

CMS helps bring banks closer to rural India and provides PAN card services to a previously inaccessible segment of the population.

## Electoral Card Services

In going with its promise to bring people close using technology, CMS also brings electoral card services to rural citiz

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## Deduce - Design - Deploy

Bringing Robust IT systems to enterprises and bringing in a whole new level of efficiency, CMS has solutions that take the Deployment Division at CMS provides assessment, planning, staging, installations and project management of technology and sustainable solution to meet your business objectives. CMS's meticulous implementation planning reduces project risk that faulty connections and damaged equipment lead to time and cost over-runs, and can make a long-term impact. Therefore, equipment staging holds paramount importance for our Deployment Services team, wherein our experience in staging equipment, hardware and software to ensure on-time delivery of the application. Our main objective is to make the client's training module is always an integral part of our projects, wherein our Deployment Services Team imparts training to employees and engineers of our clients.

### What We Do:

CMS's Deployment Services have been conceived and modeled for a variety of locations, industries and businesses, and

Site assessment

Hardware installation and de-installation

Software integration

Infrastructure deployment and expansion

Data migration

Equipment staging

Building IT architecture of security and surveillance network

Business Management deployment

Turnkey IT deployment solutions & Project Management

Equipment and hardware support

24/7 installation scheduling

Toll-free customer care and email facility

Pan-India presence. Technical repairing centre in different locations.

### Our Objectives

Provide Robust and Efficient Delivery models to our customers

Make it easier for customers to troubleshoot and receive support from our team

Provide 24X7 customer support to help through any kind of issues

Efficient delivery of projects right from assessment, planning, staging, and installations to project management

The Deployment Services Division at CMS continues to enhance its spectrum of offerings as we aim to proliferate our solutions across various sectors and businesses. At present, we offer deployment solutions in areas such as:

### Access Control

CMS is one of the leaders among Indian technology providers for integrated access control mechanisms. Some of our solutions include:

### Canteen management system

CMS provides canteen management systems to its customers so as to help organize the workforce and better manage the canteen.

### Visitor Management system

CMS provides customers with Visitor Management systems that help monitor visitors within the customer's premises. This helps in managing the customer premises.

### Fire Management & Safety

CMS provides integrated fire and safety solutions that can be managed from a central console. This makes it easier for customers to manage fire-based disasters effectively.

### Networking

Given CMS's experience in system integration, we deploy end-to-end networks for our clients. We work with the top

ss solutions for their networking needs.

#### Network security

Networks need to be secured and managed effectively to avoid data leakage. CMS provides its customers with secure the platform on which the business connects with its multiple touchpoints in a secure manner

#### Broadcasting solutions

CMS deploys broadcast solutions for its customers to reach their audience in an efficient manner and on multiple digital

#### Other Solutions:

We also provide some of the services which are allied to Deployment and integration:

#### Servers sales and integration

CMS not only helps customers integrate and deploy new servers into their environment but also helps them in procuring

#### Storage solution for data

CMS brings storage solutions to its customers and not only helps them integrate these storage solutions in their environment but also provides the best in class storage solutions

#### Virtualization

Virtualization solutions are highly effective in consolidating a customers IT footprint. CMS helps its customers acquire the best virtualization solutions for their customer environment.

#### Cloud computing

With more and more customers focussed on developing internal clouds to better deliver services to their customers, CMS provides the best cloud computing structure to its clients.

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Case Studies

CMS designs and deploys surveillance framework for a Petrochemical company  
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### Managing High Performance Growth

At CMS Computers, we partner with organizations from various industries to enable their business processes, minimize operational costs and explore new revenue avenues. Launching a product, a government scheme or expansion always comes with plethora of operational challenges and requires robust IT infrastructure helps companies manage their operations efficiently and provides new growth avenues. To provide a complete end-to-end support to your business, we have experienced professionals from various domains. Market research and consumer insights are critical for a business venture, our analytics team helps you draw a roadmap for your project.

With CMS Computers managing large-scale projects for decades, our operations team has a wealth of experience and round-the-clock maintenance support, domain knowledge, cost-effective solutions are some of the key highlights of our project management services. For operations management, we aim to facilitate their business goals and build a system for sustainable growth.

### What We Do

Project management expertise and skilled manpower for various operational functions

Distribution channel in rural and urban parts of the country

IT infrastructure or automate business models

Round-the-clock maintenance support

Business analytics and consumer insights for the sectors and markets where CMS has its strong presence.

### Our Objectives

Provide cost-effective operational solutions to start-ups as well as corporate houses.  
Make innovative products and services accessible to rural households.  
Manage sales and businesses for clients in remote territories.  
Automation of delivery models.

#### What We Offer

Automation of Business Process  
Providing skilled manpower for delivery and operations  
Deployment of IT infrastructure and components  
System Integration and capabilities  
Complete supply and delivery network across the country  
Rich experience in project management  
Cost reduction in operations  
Risk Management  
Standardizing Project Management and process optimization  
Business and Customer Behaviour Analytics  
Providing physical and virtual platforms for marketing and promotions

#### Connect

If you want to know more about the solutions offered by Our  
Operations & Management Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)  
022-41259000

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#### Providing Bespoke Solutions

CMS enables its clients with customised software applications with an aim to support business expansion and open new markets. Given the scale and operational standards present in the industry, enterprises look for a partner that does not only offer solutions but also understands the business in India.

CMS Computers is a leading provider of custom software development services to fuel Indian enterprises' complex requirements. CMS's engineers have gained unforeseen expertise in making custom technology work with unprecedented standards to ensure business agility.

Some of the largest enterprises in India use our software solutions and are reaping the benefit of our products. CMS's expertise allows us to bring great solutions to complex requirements.

#### What We Do

Custom Application Development

Industry Leading Implementation Frameworks

Support & Integration

Transparent Framework

Product Life Cycle Development

Project Management Excellence

Large Scale Technology Development & Implementation Frameworks

#### Our Objectives

Provide expansive solutions to manage complex operational environments

Creating Agile & Ultra Scalable Enterprise Architectures

Custom software development, integration and support

Legacy Infrastructure Integration Approach

Service Oriented Operational Models

Enhance Operational Efficiency

Maximize enterprise ROI

Integrated Approach To Customer Relationships

Transparency In All Operational Frameworks

At CMS we offer a range of solutions to cater to our customer's complex requirements. Our customization services e  
CMS offers two types of Software Services:  
Product Customization Services  
Every product from our applications & solutions family can be customized to suit your enterprise's needs and require  
Custom development of Solutions/Applications  
CMS can offer your enterprise end-to-end custom software development services ranging from software products to  
on that needs to be built as per a customer's needs and specifications. This service is available in two modes –

Time & Material basis: The entire scope and specifications will be held by the client and the client is at liberty to decid  
ical know-how/skills in the form of manpower to achieve the desired ends.  
Turnkey Fixed budget projects: The project is built as per specifications provided/gathered from the client. The scope  
ects are pre-decided. The projects of this type may include revamping/ rebuilding a product using new technology in  
ound-up based on your specifications.

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#### Linking Technologies, Building Businesses

With three decades of experience in system integration, CMS connects varied technologies to provide unified architecture. In today's competitive market, enterprises must have an uncomplicated and efficient IT environment to maintain high performance. The biggest challenge for large-scale organizations is not only to connect various businesses but also to streamline operations across divisions and departments.

Therefore, CMS Computers offers turnkey system integration (SI) services to build and link multiple technology systems to make them more flexible and efficient. We ensure that our clients get complete peace of mind on the technology front, as our experts provide the most cost-effective IT architecture for your business.

#### What We Do

Our Integration Services includes a bouquet of offerings spanning various industries, sectors and locations:

- Design and integration of security infrastructure including access control, fire safety and surveillance systems
- Workforce infrastructure
- Integration of Energy solutions
- Network integration
- Enablement of broadcasting and communication technologies
- Data centre
- Cloud Computing
- Virtualisation
- Service delivery infrastructure
- Traffic infrastructure
- Consultancy Services

#### Our Objectives

Bring decades of experience and the collective knowledge of our experienced engineers and project managers to build infrastructure for industries like transportation, banking and real estate.

Provide efficient and organised delivery mechanisms for large scale IT systems using our collective wisdom of the past to deliver the biggest nationwide and overseas technology applications projects.

Our technology team's prime motto is to reduce the timeframe of business cycles by using the most advanced technologies and eliminating redundancy.

Mitigate input costs in every possible way. CMS as a system integrator does a thorough study of existing IT infrastructure to help us make a project more cost-effective for the client and less tedious for ourselves.

CMS brings in rich experience in managing and delivering customised integration solutions. With relentless effort to improve, we leverage our time-tested experience of project management and industry best practices.

#### Range of Services

##### Contact Centre Technology Integration

CMS helps you bring different technologies together at a contact centre level, so as to have a tightly integrated response to customers in satisfying their business needs.



#### Data Centre Integration

CMS has decades of experience in system integration and bringing different technologies together in the data centre industry for the last few decades, CMS's engineers have had the chance to experience a variety of technologies, to help

#### Business Continuity Planning and Disaster Recovery

In addition to its standard set of integration services, CMS also helps its customers achieve business continuity in the management services and consults with them to enable them to build stronger continuity plans.

#### Retail Automation

Automation in retail is something that CMS has been helping with for decades. From POS systems to in-store CCTV monitoring, a structured approach to problem solving. This is what CMS brings to the table with its retail automation services.

#### Telecom Integration

Integration of your set up with telco's can become a highly complicated affair. Given CMS's experience, we try to make it easier with our unique service set.

#### Availability Services

CMS always ensures that its solutions and technologies are always built to be highly available. This way customers don't have to worry about the business.

#### 24x7 toll-free contact centre

Our toll free contact centre is always available and responsive to the calls and complaints of customers.

#### Field support

While we do offer telephonic and electronic support, we rely ourselves in the field support we provide to our customers to diagnose any issues you might have at hand.

#### Customised SLA's for mission critical operations

CMS helps you define the right SLAs to get the most out of your implementation. This brings more confidence to our customers.

#### Quality processes through Six Sigma for process improvement

CMS utilizes Six Sigma for process efficiency and brings in a whole new level of efficiency to its implementations for its customers.

#### Connect

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Case Studies

Integrated Monitoring Solutions for a reputed Oil & Gas company  
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CMS Computers has a diversified business portfolio in IT and manufacturing sector. We have always set new benchmarks and path-breaking products for our customers.

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#### Fuelling Growth in the Financial Industry

As India has large demographic dividends and attractive investment climate, financial inclusion has enormous potential. However, bank accounts and financial literacy is still limited to only few urban pockets of the country.

At CMS, we believe that our IT capabilities, extensive reach and expertise in operations can help authorities mobilise resources. We help governments, banks and insurance companies to support their IT and security infrastructure and facilitate financial services.

ernance. Besides, our building management systems helps our clients from the financial industry to keep their office  
CMS has ambitious plans to catalyse the government's financial inclusion policies by building a robust process for KYC  
Industry Challenges:

High spends on operations and setting up new delivery networks.  
Low penetration of financial in rural markets.  
Non-availability of skilled manpower in remote areas.  
Poor IT infrastructure and connectivity.  
Strict regulatory norm and compliances.  
Lack of advanced surveillance systems to secure bank premises.

#### CMS Advantage:

CMS has its own established network of trained professionals even in the remotest areas of the country. Our well-m  
to a large base of unbanked citizens and spread awareness about financial products that they can avail.  
Our state-of-art IT infrastructure built to facilitate e-governance services can be widely utilized by our finance clients  
Our advanced biometric devices and trained professionals provide a great deal of support in meeting KYC complianc  
We have designed security architecture for leading public sector banks in India.  
As banks spend a large amount of money on electricity, we provide customized solutions to banks for improving ene

#### Areas of Service

Basic banking services  
Retail Loans  
Deposits  
Insurance (life and non-life)  
Direct benefit transfer  
Pension transactions  
Security and surveillance services for banks and ATMs  
Customised energy management solutions for office space of banks and financial companies

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### Building Energy Efficient Enterprises

The energy industry forms the backbone of modern infrastructure. With power being the foundation of every modern economy, the complexity of operations of energy providers and distributors only seems to be increasing.

Having been at the helm of IT services in India, CMS has been providing end to end solutions to cover all aspects of the complex processes and business problems that the industry faces at large.

CMS's solutions are affordable, easy to implement, and offer quick ROI. Accurate meters and networked software offer real time controls and early warning signs of problems. The information can be easily accessed at any desktop, with reports that are fully scalable so they work within a single facility or across many sites throughout the country.

CMS handles your energy information and helps to improve energy efficiency. Our solutions team studies your plant and installs & commissions an appropriate energy monitoring system. Our operation team works closely with your team to expertly analyze your processes and submit an online report of energy losses happening. Finally this information helps you to control thus increasing operational efficiency and facilitating savings in revenue.

### Industry Challenges

Robust infrastructure to support measurement and analysis across different process points

Scalable architecture that can manage high workloads

Operational inefficiencies and complex delivery patterns

National scale operations bring in issues of scaling

Overrunning project costs

Inaccurate instrumentation

### CMS Advantage

One Stop Shop: CMS deploys end-to-end solutions across the energy management value chain to bring unforeseen challenges to redefine, optimize and recreate all your processes so as to make you more agile and enable quicker ROI.

Experience: CMS has been working with India's largest energy providers since its inception a few decades ago. From its roots as the State Electric Boards, CMS has been providing high-end technology management services to the energy sector.

Consulting: Having worked with some of the top energy providers in India, CMS offers a whole range of consulting services to help you in configuring or structuring your information architecture. Given CMS's extensive experience and solid client base, the CMS team helps us help you build the optimal solution.

### Area of Services

Consulting

Metering Solutions & Energy Monitoring & Measurement Infrastructure

Information Management Systems

Energy Management

Integration Services

End-to-End Greenfield Projects

Tariff Management Systems

## Resources

■■■■■■■■ A Gurgaon-based mall developer employs CMSâ€™s EEBS solution

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## Creating a New Ecosystem for Public Sector

For more than three decades, CMS Computers has been playing a pivotal role in enabling and promoting smart governance technology. The company has been working closely with various government entities to ensure effective implementation of government schemes. CMS Computers partners with government establishments, defense establishments and public sector units to deliver solutions to the government and its citizens.

### Client's Requirements:

Robust delivery systems for efficient implementation of government schemes and policies.

To address the needs of a large segment of citizens and consumers cutting across geographical and demographic lines.

To mitigate costs on input and operations.

Sustainable solutions which can support project in the long run.

Optimal utility of public resources.

An assessment model to analyse the success of government initiatives.

To safeguard information and data critical for the country's security.

A transparent framework for delivery systems.

To expedite implementation cycles and avoid time overruns.

### Our Strengths

**Experience:** There are only a few IT solution providers in the country that offer nearly 40 years of experience in the government sector. CMS Computers has unmatched expertise and know-how to the table when it comes to understanding administrative challenges and enabling digital transformation across all government boundaries.

**Innovation:** The Research & Development unit at CMS Computers has developed a wide range of products and systems. Intelligent Traffic Solutions in cities and installation of security systems at security-sensitive establishments such as Intelligence & Research & Development Organisation (DRDO) are some of the large-scale public projects which entirely run on the system.

**Economy:** Number of stakeholders and users in a public project is larger than one governed by a private enterprise. CMS Computers is instrumental in the success of a government project, as the schemes typically feature a long gestation period. CMS Computers delivers solutions which are robust, long-lasting and require minimum maintenance.

**Management:** If technology is the brain of smart governance, then management is the backbone of it. Our Government partners conduct a detailed study of what kind of framework will be required in the operations of a project.

### Area of Services:

Citizen Service

Financial Inclusion

Defence & Security

Public Health

Taxation

Consumer Services

Public Infrastructure

Education

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☐☐☐☐☐☐ Landholders get a centralized database system in Maharashtra

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High Productivity, Maximum Cost-Effectiveness

Manufacturers today are striving to simplify business and process complexities and reduce operational expenditure. They are looking for automation and have stringent deliverables in terms of ROI. For an industry that operates at this scale, it is important to balance maintaining product quality and meeting safety and regulatory norms.

CMS's Manufacturing Solutions division provide customers with agile solutions designed to scale. With their roots based in manufacturing, we have embedded efficiency into our customer's manufacturing operations.

Industry Challenges

Dynamic materials and factory costs

No end-to-end management for large-scale operations

Lack of centralized infrastructure leading to process bottlenecks

Disparate technologies that cannot talk to each other

Rising labor costs leading to increased operational expenditure

Lack of automation

Need for Global standards at National price points

CMS Advantage

Experience: Given CMS's experience in the manufacturing sector, our teams are completely equipped to study our client's business and help them optimize their business. These solutions are built specifically after detailed studies of the client environment and are tailored to their needs. End-To-End Solution Provider: CMS has decades of experience in working with Tier-1 manufacturing clients. This gives us a deep understanding of the customer's need. Given the mammoth scale of operations that manufacturers need to handle, CMS is capable of owning and managing all of their customers' operations.

#### Areas of Service

Energy Management  
Process Optimization  
Consulting  
System Integration  
SAP integration  
Project Management

#### Resources

📄 CMS provides turnkey surveillance solutions to leading ship building company

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### Dishing Out Innovation in Broadcasting

The Indian Media and Broadcasting industry is one of the fastest growing industries in the country. Its various segments have witnessed tremendous growth in the last few years.

Given the high growth indicators for this industry and new delivery channels such as online, an agile and centralized media channels that the media sector has to cater to.

In this scenario, technology plays a crucial role in enabling operational efficiencies and quick time to market.

CMS's Media and Broadcasting division has been providing high-end turnkey solutions for Satellite Channels and the media companies which require video and IT technologies to merge. We represent some of the biggest OEMs from the Broadcast Industry and are also authorized service partners for them. CMS also offers maintenance programs and facility management services to corporates, Government Departments and online media channels.

CMS's portfolio ranges from software deployment and system integration to comprehensive project management. This helps our clients and valuable customers to transform their business processes on an ongoing basis.

Our corporate culture is built on the core values of Customer Focus, and Excellence in Services and Partnership.

### Industry Challenges

Media and Broadcasting firms need to capitalize on evolving product distribution channels while optimizing current operations. The major challenges faced by the industry include:

- Erosion of revenue from traditional channels

- Need to leverage new distribution channels

- Shorter time to market windows

- Disruptive technology

- Delivery of content, information, advertising and services anytime, anywhere

- Disparate and non-integrated IT systems landscape

Given CMS's experience, we understand these challenges and provide solutions that not only improve business efficiency but also reduce costs.

### CMS Advantage

**Consulting:** CMS's business model is completely customer driven where we help our customers understand what they need and quickly to changing market dynamics and increase their competitiveness with our consulting services

**System Integration:** CMS is a premium player that provides high-end digital broadcast solutions and outsourcing services. Cross-industry digital services is one of our fundamental strengths. This is backed by our strong broadcast engineering background.

**Project Engineering:** CMS backs you up with strong broadcast engineering and IT expertise. This profound industry knowledge helps in planning and thus maximizing your overall profits margin.

**Project Management:** CMS's project management services help you deliver your projects on time and within budget. This ensures timely completion and delivery, which in turn fosters strong team co-operation.

### Areas of Service

- Newsroom Automation

- Control Center Implementation

- Video On Demand

- Rural Broadcasting Infrastructure Services

- End-to-End Greenfield projects setup

Resources

📄 Simplifying content delivery model on the digital platform

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Simplifying Transportation World



Efficient management of vehicular traffic is one of the key factors in ensuring citizen satisfaction in cities today. With the growing urbanization, traffic management becomes even more important for the Government to budget and plan key infrastructure changes to cater to this demand. CMS has been playing a pivotal role in revolutionizing traffic management in India for over two decades. With its data-driven approach, CMS has implemented traffic management projects spanning 80 cities. CMS is synonymous with Intelligent Traffic Systems in the country, where the adoption of Intelligent Traffic Systems' becomes even more crucial.

CMS's Traffic division offers a wide range of services in the area of urban and road/freeway traffic management. It provides solutions for sustainable traffic requirements comprising computing, sensing and communication technologies. Not only does it deploy smart devices and provide a robust ecosystem for generating vast amount data related to vehicles and their movements. With the demand for traffic data analytics rising significantly in the last decade Intelligent Traffic Systems is expected to grow. CMS at the centre has plans to build 100 new smart cities across the country.

Not only does CMS provide the solution, but it also helps customers find the right way to go about implementing the solution.

CMS's range-of-services are built to cater to rising traffic density and to help manage so as to support traffic departments.

### Industry Challenges

- Lack of automated infrastructure
- Decentralized implementation with no connectivity
- Lack of intelligence in technology being utilized
- Citizen inconveniences due to disparate technologies
- No top level dashboard for monitoring and intelligence

### CMS Advantage

**End-To-End Solution Provider:** CMS provides end-to-end traffic management services, starting from signal technology to traffic management. This is our strategy for our clients, where we add value by combining our expertise over the last few decades to provide the best solution. **Management:** Our traffic management team brings with it decades of expertise so as to provide our customers with the best solution. Our approach is centralized and provides for in depth monitoring in real time.

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### Partners In Growth

Our clients are not mere customers for us. We envisage their business goals, analyse risks together, design processes across the entire business cycle as their partners in growth and expansion.

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Our Clients

Testimonials

It's been over 37 years since CMS was born. One thing that remained unchanged is CMS's commitment to clients through our rich operational experience of harnessing Information technology to deliver real world solutions for our clients across a wide spectrum of business practices. Our expertise in IT-enabled business services allows us to be the ideal partner in their transformation.

We are very domain rich, with deep specialization in Transportation, Security, Energy Management, Media and Government. Our clients are transforming their businesses leveraging CMS's solutions.

At CMS, we understand your goals. Through a collaborative approach and our experts, we transform our client's strategy into reality. Delivering citizen services right down to the villages, bringing transparency through land records, lending a helping hand in India's transformation. By integrating data across traffic signals, controllers and surveillance cameras complemented with analytics to make informed decisions.

With 50 per cent of population expected to live in cities by 2030, city leaders are leveraging our Surveillance solutions to ensure that organisations are managing their workforce effectively.

Businesses, Power plants, SEZs, large commercial complexes and residential towers are using CMS's energy management solutions. As the region implements Smart Grids for intelligent monitoring, control and communication, CMS is bringing its innovation to companies as they transform from traditional broadcasting to taking advantage of Big Data, Social Media & the Cloud. Our solutions are transparent and making operations cost-effective for corporates. Combining Innovation, unparalleled experience and expertise, our clients deliver higher levels of performance, efficiency and effectiveness.

Learn here about how a select set of clients benefited from CMS solutions.

TRANSPORTATION & TRAFFIC SOLUTIONS

Aligarh Development Authority

AURANGABAD MUNICIPAL CORPORATION

Bangalore Development Authority

Bhiwandi Nijampur City Municipal Corporation

Delhi Integrated Multi-Modal T

DSC Limited

EMD-Karnataka Road Development Corporation Ltd

Ford India Private Limited

GHAZIABAD DEVELOPMENT AUTHORITY

GMR Projects Pvt Ltd

Greater Hyderabad Municipal Corporation

Haryana Renewable Energy Development Authority

J. Kumar Infraprojects Ltd

J.M. Mhatre Infra Pvt Ltd

Kakinada Municipal Corporation

KALYAN DOMBIVALI MUNICIPAL CORPORATION

KOLHAPUR MUNICIPAL CORPORATION

M.S.E.B.

MIRA BHAYANDER MUNICIPAL CORPORATION

MTNL MUMBAI

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

MUNICIPAL CORPORATION BHOPAL

MUNICIPAL CORPORATION OF LUDHIANA

Nagpur Municipal Corporation

NASHIK MUNICIPAL CORPORATION

NATIONAL HIGHWAY AUTHORITY OF INDIA

NAVI MUMBAI MUNICIPAL CORPORATION

NIKHIL ENTERPRISES

PIMPRI CHINCHWARD MUNICIPAL CORPORATION

PUNE MUNICIPAL CORPORATION

RICE LAKE WEIGHING SYSTEMS

Sri Maharaja Industries

SURAT MUNICIPAL CORPORATION

TATA IRON & STEEL CO LTD

TATA Steel Ltd.

THANE MUNICIPAL CORPORATION

VDB PROJECTS (P) LTD

WAVETRONIX

## ENERGY MANAGEMENT SOLUTIONS

Aarcee Mittal Electricals

Adani Power

Adhunik Group

Aditya Birla Nuvo

Alstrong Enterprises India



Ametek

Arkay Energy (Rameswaram) Ltd

BALCO

Bharat Heavy Electricals Ltd

DC Industrial Plant Services

Federal Moghul Goetze India

Forech India

GIPCL

GMR EMCO

Hero Moto Corp

Hindustan National Glass Ltd

Hindustan Unilever Ltd

India Yamaha Motor Pvt Ltd

Indian Metals & Ferro Alloys

JSW Energy Ltd

Lanco Anpara Power Ltd

Maharashtra Seamless Limited

Maithon Power Ltd

Neyveli Lignite Corporation Ltd

NTPC

Ram Engineers

Steel Strips Wheels Ltd

Tata Power

Welspun Energy Ltd

West Bengal Power Development Corp Ltd

## MEDIA & BROADCASTING SOLUTIONS

Khabrein Abhitak

NDTV, New Delhi

Tata Sky

GSTV Ahmedabad

Sun TV ,Chennai

10 TV, Hyderabad

Aakash Bangla, Bhubaneshwar

ABP Ananda Kolkata

ABP News (STAR News),Noida

Balaji Telefilms, Mumbai

BISAG, Ahemdabad

Broadcast Engineering

Cinevistaas Studio, Mumbai

CNEB TV,Noida

CVR Heath & News, Hyderabad

Doordarshan Kendra

DY 365, Guhawati

ETV ,Hyderabad

HMTV,Hyderabad

i-Witness TV

IISC Bangalore

IIT , Kharaghpur

IIT Powai, Mumbai

IIT, Chennai

Jano Duniya, Ahemdabad

Kaashish TV, Ranchi

Kanak TV, Bhubaneshwar

Kasturi TV, Bangalore

Khabar Bharti

Naxatra TV , Bhubaneshwar

R-Plus , Kolkata

Raj TV, Channai

Rajya Sabha Television

SAIMS , Indore

SRFTII, Kolkata

SRM,University,Chennai

Star Sports (ESPN),Mumbai

Surya TV , Trivandrum

Times Now , Mumbai

V6,Hyderabad

Zee Entertainment, Mumbai

## E-GOVERNANCE SOLUTIONS

Bharti AXA

Govt. of Andhra Pradesh

Govt. of Gujarat

Govt. of Karnataka

Govt. of Madhya Pradesh

Govt. of Maharashtra

Govt. of Punjab

Govt. of Rajasthan

Govt. of Uttar Pradesh

## SURVEILLANCE & WORKFORCE SOLUTIONS

ABN-AMRO

Accenture

Aditya Birla

Air India

Airtel

Allied Telesis

AT&T

Bank of America

Bank Of India

Bayer Healthcare

BCG

Bharti

Booz Allen Hamilton

BSNL

Citibank

Control Applications Ltd

Future Group

GE Capital

GlaxoSmithKline

HDFC Bank

Hindustan Aeronautics Limited

Hindustan Petroleum

HSBC

Hutch

IBM

ICICI Bank

IDBI Bank

Idea

IIT Powai, Mumbai

Indian Institute of Management

Indian Oil

Infinova

JP Morgan

Lufthansa Networking

Mckinsey & Company

MTNL MUMBAI

National Stock Exchange

NIIT



NSDL

P&G

Ranbaxy

Reliance

Reliance Energy

Reliance InfoComm

Reliance Life Insurance

Shoppers' Stop

Singapore Airlines

SONY

Standard Chartered

State Bank of India

Stock Holding Corporation

Tata AIG Insurance

Tata Share Registry

Videsh Sanchar Nigam Limited

Visa

Wockhardt

TEST

OUR PRODUCTS

On Behalf Of M/S Bharat Petroleum Corp. Ltd – Jobner Terminal Team Of Engineering & Project, I Take The G  
Your Best Contribution , Full Time Supports & Not Leaving Any Stone Untouched To Achieve The Completion Of  
th Quality And Safety

Bharat Petroleum Corporation Limited

Mr. Mohammad Gayasuddin - Chief. Manager.Construction I/C Â– KJPL P/L Projects

When new regulations of Central Electricity Regulatory Commission (CERC) came into effect recently, we had to upgrade the system. Changing the dashboards and readings was very intricate and we were seeking an expert who could modify our system. For the project and its engineers did an outstanding job by successfully upgrading the system within the scheduled time. The line monitoring interface. Their technical experts are not only well-equipped with experience and knowledge of ABT solutions, we can totally bank upon CMS when it comes to ABT solutions.

NIC ABT Project, Tamil Nadu

Neyveli lignite Corporation, Neyveli, Chennai - General Manager

The whole experience of working with CMS computers is very pleasant. They have designed a superb and tailor-made solutions backed by a professional, cooperating and hard working team. The best part is they are always willing to walk the talk. With a diversified product portfolio and an attitude to excel in customer satisfaction, we're confident that CMS computers will continue to be a reliable partner for our company.

Lanco EMS Project, U.P.

Lanco, ABT/EMS Project at Anpara Thermal Power Station, U.P. - Senior Manager

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Welcome to CMS Computers!

The world in which we live is changing rapidly. Business dynamics are changing by the month. New companies are created and thrived through 43 such years of change. The only constant has been innovation and a strong focus on client experience.

Early in our life, we defined our mission as Simplifying Lives. Our journey through the last few decades has been just a series of milestones. We have provided intelligence solutions to make our cities and corporations secure, electronic governance services to empower right down to the grassroots, environment through energy management or harnessing the power of digital and new media to make our world more transparent and simplifying lives.

The world is changing and CMS is responding by staying ahead of the curve. We are responding by increasing the range and bouquet of services and offering which deliver superior client experience. In an industry characterized by a relentless pace of innovation, continuous anticipation and strong belief in our people.

We will offer stimulating development opportunities to attract and retain top talent. From being a company with few offerings, we are increasing depth in our offerings and breadth through multiple markets. This opens up a world of opportunity for professional growth.

We will continue to innovate, trail blaze, work with cutting edge technologies and stay ahead of the curve. Our business is growing and we are growing with MS.

I sure wouldn't want to miss out as we make the future - would you?

What are you waiting for? Join us for a great career!

Search your job

Please Select Category

Architect & Designing

Administration/ Front Office

AI/Data Analytics

Commercial

CS & Legal

Data center / Infrastructure

Database & Data Warehousing

EMS/ Smart Meter

ERP/CRM

Finance & Accounts

Human Resource

Internal Audit

IT/Project Operation  
Marketing  
Mobile Application  
Product & Presales  
Project Management  
Purchase / Supply Chain Management  
R & D  
Sales  
Security Systems  
Service Support  
Service/Project Delivery  
Software Development  
Testing & QA

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Bhopal  
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Hyderabad  
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Kolkata  
Lucknow  
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Other  
Pune  
Telangana  
Tripura  
Trivandrum  
Udaipur

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Commercial  
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Data center / Infrastructure  
Database & Data Warehousing

EMS/ Smart Meter  
ERP/CRM  
Finance & Accounts  
Human Resource  
Internal Audit  
IT/Project Operation  
Marketing  
Mobile Application  
Product & Presales  
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R & D  
Sales  
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Testing & QA

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Jaipur  
Kolkata  
Lucknow  
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Pune  
Telangana  
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#### Nurturing Work Environment

At CMS, we aim to create a lively environment and seamless opportunities for our people — where everyone aspires to achieve the best of innovation.

**Develop and Grow :** We strongly believe that our people are biggest assets for the organisation and their development. To keep employees abreast with industry trends and technologies, we help them learn new skills and enhance their expertise with our expert professionals. We always strive to gain a better understanding of the employees' needs and responds with solutions and operations.

**Seamless Opportunities and Openness :** We strongly believe everyone, irrespective of location, department, business unit, can contribute to the organisation's growth. Therefore, we intend to give key responsibilities to our employees, inculcating leadership qualities. As CMS Computers is poised to undergo a major transformation and plunge into new avenues of technologies, we promise to provide all the support and love to explore.

#### CMS Culture & Values

Integrity and transparency are and will always be the core values of CMS Computers. We focus on communicating with each other in the right way. CMS supports a culture of trust and collaboration, flexibility and diversity, encouraging employees to share knowledge and learn from each other — the very best in others and allows you to flourish both as a professional and as an individual .

When we recruit, we look for people who will enjoy our culture, feel at home and thrive on the opportunities it offers. We focus on Career Advancement/Progression

At CMS we have developed various programs and opportunities that help our employees manage their careers effectively. **Training and Development :** CMS lays a great deal of emphasis on skill development and personal wellbeing of its employees — with an objective to help employees enhance their performance and improve their quality of life. We have a separate training department with various requirements. From technical know-how to sales to operations and finance, our training sessions encompass various areas. And self-help workshops are meant to give a holistic approach to the overall development of employees. To induce leadership qualities, employees are encouraged to take up new roles and responsibilities as per their given interests and expertise. We also have a unique program for new joiners to understand the organization better.

**Performance management :** We provide employees with tools and resources necessary to develop and manage their performance. We have a strong feedback mechanism from management and support for mentoring programs.

We go to great lengths throughout the year to ensure a meritocratic and unbiased system of rating and promoting employees. We provide constructive and timely feedback on how they are performing. We combine multiple sources of measurement, including self-assessment, with an adequate view of their performance.

What we look for

Integrity and Trust — Team members who "do the right thing" and have courage to speak up  
Intellectual Capacity — Openness to learning, understanding and solving problems  
Drive for Results — Team members with a "can do" spirit  
Adaptable — Team members who respond and adjust

At CMS you can expect to

Feel empowered to take decisions  
Be responsible to deliver what is committed within Turn Around Times  
Work with integrity and honesty  
Take every opportunity to learn and improve your professional skills  
Be rewarded for remarkable performance  
Flourish in a diverse, cross-cultural environment  
Do what you enjoy, and enjoy what you do  
Grow and progress

#### Diversity & Inclusion

CMS supports the culture of collaboration and meritocracy, where employees have plenty of opportunities to show their talent and contribute to the organization's success.

We are striving to make our workplaces more diverse and inclusive, as we strongly believe that a multicultural workforce is essential for innovation and growth. To create a true diverse ecosystem, we promote cultural awareness by organizing cultural festivals and outbound activities. CMS also has a separate arm for corporate social responsibility, wherein we primarily focus on three areas: health, education, and environment. We support government organizations to raise funds for events for child and women welfare. Besides financial aid, we also encourage our employees to volunteer. Our ultimate goal is to make our ecosystem more agile, tolerant, and most importantly, socially cohesive. With a diverse workforce, we can harness innovative ideas coming from people with varied skills, experiences, ethnicities and social backgrounds. We're committed to ensure

Talented individuals from different backgrounds are recruited.  
Individuals are shown respect and treated fairly.  
Employees don't face any kind of discrimination and harassment at the workplace.  
We remain accountable and committed to our social responsibilities.

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## Current Job Openings

### Database Administrator

Position / Level : MySQL DBA

Work location : Jaipur

Qualification : Any Graduate

Notice period : 30 days or less

Relevant experience : 3 years

### Job Description

3 years experience in MySQL

Experience with backups, restores and recovery models

Knowledge of Performance Tuning and Optimization

Knowledge of High Availability (HA) and Disaster Recovery (DR)

Ability to work independently and work in a rapidly changing environment

Ability to multi-task and switch effectively between different activities and teams

#### Required Skills:

MySQL DBA experience with experience of back-ups and replications

#### Account Manager - IT Solution Sales

Job Title : Account Manager - IT Solution Sales

Experience : Minimum 8-12 years of IT Solution Sales experience.

Education : BE / B. Tech / MBA

Location : Delhi / Kolkata / Chennai.

Requirement Type : Full Time.

#### Job Description

Account Manager is responsible for the maximization of division Account penetration and profitable growth of def Government Entities / Public Sector Units)

Define process and plan to closure for large projects

Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment

Support to develop and executes the agreed customer strategy

Support the account business targets and is responsible for the achievement of the target

Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decision-makers and forms the communication hub.

Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/

Establishes him/herself as the point of contact for escalations.

Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concerned

Develop and execute the agreed customer strategy in order to increase the business with the customer long term

Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Com

### Assistant Manager

Job Title - Assistant Manager.

Location - Sion.

Education - BE / B.Tech / M.Tech / MCA / MS / M.SC - specialization in Electrical / Electronics.

Course / Certification - Project Management.

Experience: 5 - 6 years

Notice period - Immediate to 30 days.

Behavioral skills:

- Communication skills
- Team leading

Role & Responsibilities:

- The desired candidate will be responsible for Managing AMC Contracts in Road Traffic Signaling.
- Works under the direction of a senior project manager on large, complex project but may be expected to manage
- Prepare Plans / Specifications / Estimates for Traffic Signaling Project.
- Manage the Field Teams.
- Material Projection.
- Maintain the Project margin.
- Vendor Management.
- Traffic signal system.
- Programming of traffic signal.
- Installation and commissioning of Count down timer.
- Traffview application.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Assistant Manager - Mumbai" in the subject line.

UX designer

Position name - UX designer

Exp - 2-3 yrs

Location - Mumbai/Bangalore

JD -

Proven experience as a UX and UI Designer

Strong portfolio of designing intuitive, user-friendly software

Familiarity with interaction design and information architecture

Translate concepts into user flows, wireframes, mockups and prototypes that lead to intuitive user experiences.

Proficient in HTML/CSS, JavaScript and design softwares (e.g. UXPin, Balsamiq)

Knowledge of human-computer interaction (HCI) element of website designs

Experience of developing and maintaining design wireframes and creative visual design to incorporate a unique brand

Knowledge of Content management system and website design

Creative enough to develop easy-to-use user interfaces with minimum of clicks, maximum select options and provide a smooth user experience

Ability to think creatively and have an artistic eye for design

Create personas through user research and data

Communicate design ideas and prototypes to developers

Keep abreast of similar applications and industry trends

Facilitate the application vision by researching, conceiving, sketching, prototyping and user-testing experiences for the user

Technical Lead - DotNet

Position - Technical Lead - DotNet

Exp - 8+ yrs

Location - Hyderabad

Education - BE/Btech/MCA

Required Skills:

8- 10 years' experience in developing Large Web based Application, Mobile Application, Database and Security Arch

Hands on exposure to .NET based technologies .NET 3.0, 4.0, 4.5, ASP.Net, C#.Net, MVC 4/5

Experience in Web API, SOA concepts with WCF, WPF or Service Stack, Javascript, JQuery

Database - MySQL

SVN /TFS for configuration management

Behavioral skills: Communication skills/ team leading

Dot net developer

Job Title: Dot net developer.

Job location: Hyderabad.

Experience: 3 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc - in IT / Computers / Electronics.

Notice Period : Immediate.

Skills Required:

Asp.net, C#, Sql server.

MVC, Web Api.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Dot Net Developer - Hyderabad" in the subject line.

## Sr. Project Engineer

Job Title - Sr. Project Engineer

Work Location - Visakhapatnam

Education - Diploma / BE / B.Tech / M.Tech / MCA / MS / M.Sc.

Total Experience - 3 years

Notice Period - 30 days

Skills:

- 1 - Expertise in Installation & Testing, commissioning, smart city , CCTV, Networking, Traffic Signal, UPS, Server & Storage
- 2 - End to End project delivery
- 3 - Installations & Testing Commissioning
- 4 - Client & Vendor management.

Do mention about your experience / knowledge on smart city and signals in your CV.

Kindly send your updated resume on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in).

Please mention "Sr Project Engineer - Vizag" in the subject line while applying.

## Java Developer

Job title - Java Developer.

Experience - 5 years (post-qualification).

Education - BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Certification - Java (Mandatory).

Location - Jaipur.

Job Description:



Should have experience in developing Web based IT applications on JAVA and J2EE Platform.  
Should be proficient in using web technologies like XML / HTML / DHTML / HTML5 / JavaScript / JQuery / AJAX / Spr  
Should have sound knowledge of developing applications using RDBMS: MySQL.  
Should have sound knowledge of Middleware: Glass fish.  
Should have experience in Agile Software Development.  
Should have a good understanding of managing IT security related issues while developing software.  
Knowledge on GIT , CI/CD , Gradle , Mavan will be pulse .

If interested, then kindly send your updated resume and relevant details at the earliest on ankita\_bhosle@cms.co.in

Please mention "Java Developer - Jaipur" in the subject line while applying.

### Lead Cloud Administrator (Vmware)

Job Title : Lead Cloud Administrator (Vmware)

Experience : 6 years – 10 Yrs

Education : B.E / B.Tech / M.Tech / MCA / MS / M.Sc (Computer / IT / Electronics) / Equivalent or higher from a recogn

Location : Delhi (Near Shashtri Park Metro station)

Requirement Type : Full Time.

Mandatory skill sets:

Active certification of vmware VCP DCV 6 at the time of joining.  
At least 3+ years of relevant experience in handling vmware Virtual data centre.  
Basic knowledge and understanding of the architecture and management of vCloud Director.  
Experience in the deployment and management of ESXi hosts, vCenter server and VMs such as installation of Esx S  
Deployment of vms, and use of clones, snapshots and templates. Management of dc, clusters and templates.  
Configuration of Distributed switches and should have understanding of vlan flow and management of vnics, distr  
Create the data stores for storing vms and data, present /assign LUN to Esx hosts.  
Configure and insights of HA,use DRS, Backups, P2v and v2V conversion.  
Manage Host storage (SAN , NAS , iSCSI).  
Scheduled patching of ESXi servers along with driver and firmware upgrades.  
Experience in Upgrading vCenter server and migration of infrastructure and updating vmtools, vmversion, vmfs an  
Capable of handling network and storage issues in vmware infrastructure.  
Capable of handling Windows and RHEL issues here and when required will be added advantage.

Key Responsibilities:

Services for management of Cloud Services and related Server Infrastructure to maintain performance at optimal level.

Duty Timings : Duty in shift basis, 6 days a week (including public/national holidays)

## Installation & configuration

Will work for at least one of the following cloud technology:

### VMware Technology

Should be capable in setting up Cloud Service environment using state-of-art technology VMware with installation & configuration, Virtual Cloud director/vRA and related s/w) Clustering over SAN/NAS Storage environment. Ensure proper configuration and tuning and security hardening.

Should be capable in setting up of Cloud infrastructure with self-service-provisioning and monitoring services using replication mechanism (at local/remote site) using tool like VMware SRM /V-sphere replication etc.

Should be capable in writing Shell script, Perl/PHP script for batch programming & system monitoring. Setting up

### Open Source Technology

Should be capable in setting up Cloud Service environment using Open Source technology with installation & configuration

Clustering over SAN/NAS Storage environment. Ensure proper configuration of virtualization for hosting multiple

Should be capable in setting up of Cloud infrastructure with self-service-provisioning and monitoring services using replication mechanism (at local/remote site) using any open source software/tools etc.

Should be capable in writing Shell script, Perl/PHP script for batch programming & system monitoring. Setting up

## Administration & Trouble Shooting

Responsible for Operating system administration, including:

Management of users, processes

Resource contention

Preventive maintenance and management of upgrades including migration to higher versions and patches to ensure

Proactive & Preventive measures against any crash/failures of Services/Servers.

Regularly monitor, maintain, analysis system logs of the performance monitoring of servers including but not limited to CPU, memory, disk I/O, network, etc. Ensure that the bottlenecks in the infrastructure are identified and fine-tuning is done for optimal performance.

## Routine Task

Allocation of fresh or additional compute/ storage space /network for any Cloud user.

Management & creation of user accounts, applying proper access control for using any Server resource / service

Configuring, debugging & trouble shooting of cloud services running on Cloud infrastructure.

System log rotation. Monitoring & managing of VM/host security at infrastructure level.

Maintaining/updating the documents on process/procedures/user-manuals etc. related to the activities involved

Lead Cloud Administrator should not only be able to perform all above work/task independently without any help from the tasks/work.

## Skills/Expertise:

RHCE certifications / equivalent certification in Cloud /Virtualization System Administration  
Experience of installation, configuration, Management and Monitoring of Cloud Services for VMware/ Open-Source  
Experience of installation, configuration, Management and Monitoring of high availability solutions like clustering  
re,.).  
Experience of administration and management of Linux based Servers  
Knowledge of IIS/Apache/Tomcat Web Server for successful running & managing the various Services like  
Databases like Mysql/MariaDB/Postgresql / Oracle etc. connectivity for applications running on Web/App servers

## Business Analyst (Energy Management)

Role: Business Analyst (Energy Management)

Relevant Experience: 3 - 4 Years

Qualifications: BE / B.Tech / M.Tech - Specialization in Electrical or Electronics from a recognized university.

Location : Bhandup (West) Mumbai.

Experience: Prior working experience in Energy Management System projects.

## Job Description:

Solution consulting, to liaise with clients in understanding the business and providing solutions for increasing  
On boarding new accounts responsible for defining the requirements and the process to implementation.  
Identify training areas for the resources. Conduct technology, process and platform training.  
Technical point of contact for clients and internal teams.  
Collaboratively work with product teams in defining requirements for building energy management solutions.  
Assist in diagnosis of problems on different ad serving platforms.  
Finalizing SRS (Software requirement Specification) with client and create documentation according to the requirements.  
Maintain project execution tracker for project for progress update.

## Key Skills:

Effort Estimation and Proposal Development, As Is Assessment , Solution Evaluation and Recommendation, Configuration  
solution (Incident/Problem Resolution), Documentation and visualization.

## Database Administrator

Designation : Database Administrator.

Position / Level : MySQL DBA.

Work location : Jaipur / Delhi / Hyderabad / Bangalore.

Qualification : BE / B. Tech / MCA / MS / M.Sc / MCA / M.Tech.

Notice period : Immediate to 30 days.

Experience : 5 years.

### Job Description:

- 5 years experience in MySQL.

- Experience as a DBA for managing MySQL RDBMS.

- Experience with XML, SQL, Javascript.

- Experience in data modelling, logical and physical DB design.

- Strong object oriented design, Relational DB design, and XML design is required.

- Working knowledge of operating systems internal (Shell scripting monitoring, debugging) in Linux environment is required.

- Experience with backups, restores and recovery models.

- Knowledge of Performance Tuning and Optimization.

- Knowledge of High Availability (HA) and Disaster Recovery (DR).

- Ability to work independently and work in a rapidly changing environment.

- Ability to multi-task and switch effectively between different activities and teams.

- MySQL DBA experience with experience of back-ups and replications.

Certification : MySQL certification is essential.

## PostgreSQL DBA

Designation - PostgreSQL DBA

Location - Chennai

Qualification - BE / B.Tech / M.Tech / MS / M.Sc / MCA

Notice Period - Immediate.

Relevant Experience - 2.5 Yrs

Any Other Information - A qualified 2+ years senior DBA having knowledge and ability to perform all of the basic database operations, physical structure, SQL and SQL applications, and overall architecture and database analysis.

Required Technical Skills:

RDBMS: PostgreSQL from 8.4.x to 9.5.x, Oracle 10g

Languages: Shell scripting, PL/PGSQL

Operating Systems: Linux, Unix, Windows

Replications: Binary and Object level replications

Backups: Logical and Physical backups

High Availability: Warm Standby, Hot standby, Streaming replication, Cascade replication, Synchronous replication etc.

## Job Description

- Install, configure, test, monitor, upgrade, and tune new and existing PostgreSQL databases.
- Develop SQL reports that meet client expectations for the application (used by custom application).
- Tuning auto vacuum parameters to ensure up to date table stats and reclaim space consumed by dead tuples.
- Contributed to decreasing need for downtime by developing and improving procedures for automated monitoring.
- Studied and stayed current on features and functionality of PostgreSQL.
- Proactive managing standby replication methodologies like Streaming replication and hot standby for disaster recovery.
- Scheduling daily Point in time recovery (PITR) to the development environment for proper product testing.
- Proactive in updating the latest security patches to database, which are provided by PostgreSQL open source community.
- Ability to proactively identify, troubleshoot and resolve live database systems issues.
- Knowledge of disaster recovery principles and practices, including planning, testing, backup/restore
- Hands-on experience on database administration, backup recovery and troubleshooting in co-location environment.

- Ability to thrive in a fast-paced, deadline-sensitive environment.
- Responsible for configuring, integrating, and maintaining all Development, QA, Staging and Production PostgreSQL databases.
- Responsible for all backup, recovery, and upgrading of all of the PostgreSQL databases.
- Experience in code migration, database change management through various stages of development life cycle.
- Providing response for all system / database issues on 24 x 7 schedule responding to critical events and situations.
- Installing and monitoring PostgreSQL database using the standard monitoring tools like Nagios / relevant tools.
- Monitoring the DB growth for every month in DWH databases and planning to implement the table partitioning for large tables.
- Monitoring the bloat report on every table and performing maintenance with minimal downtime.
- Performing minor and major level upgrades using minimal down by prior testing in test boxes with accurate time.
- Installing and Configuring PostgreSQL from source or packages on Linux machines.
- Experience designing database structures, indexes, views, partitioning.
- Implementing backup and recovery (Logical and Online).
- Setup and maintenance of postgres master-slave clusters utilizing streaming replication.
- Cross-datacenter disaster recovery and backup architecture.
- Performing schema management, database sizing, maintaining privileges.
- Data migration while upgrading database versions.
- Extensive experience with Warm Standby (PostgreSQL 8.x and earlier), and Hot Standby (PostgreSQL 9.x and greater).
- Scheduled maintenance activities to vacuum, analyze to improve the query response time.
- Maintaining custom vacuum strategies at table and db level.
- Query optimization and troubleshooting.

Service coordinator / Service Engineer

Job Title - Service coordinator / Service Engineer

Experience - 3 years

Job Location - Chennai

Qualification - Diploma / BE / B.Tech / MCA / M.Tech / MS / M.Sc

Job Description:

The candidate should have experience in :

- Project planning.
- Invoice creation.
- MIS preparation.
- Customer / Client follow up.
- Material tracking.
- Field engineer co-ordination.
- AR Follow up.
- Knowledge on CCTV, electronics.
- Good computer skills / technical skills.
- Comfortable with client visits.

Notice Period / Joining - Immediate to 30 days

Sr. Dot net developer

Job Title: Sr. Dot net developer.  
Experience: 7 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Location: Jaipur.

Notice Period - Immediate to 30 days.

Job description:

- Should have experience in developing Web based IT applications using Dot Net.
- Should have experience of .NET 4.0 or above.
- Experience in architecting software solution.
- Should be proficient in using web technologies like HTML / JavaScript / JQuery , etc.
- Should have sound knowledge of developing applications using RDBMS.
- Asp.net , C# , SQL Server.

If interested, then kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr. Dot net developer - Jaipur" in the subject line while applying.

MySQL Database Administrator.

Designation: MySQL Database Administrator.

Work location : Jaipur / Delhi / Hyderabad.

Qualification : BE / B. Tech / MCA / MS / M.Sc / M.Tech.

Certification: MySQL (Mandatory)

Notice period - Immediate to 30 days.

Experience : 5 years.

Job Description:

Experience as a DBA for managing MySQL RDBMS.

Experience with XML, SQL, Javascript.

Experience in data modelling, logical and physical DB design.

Strong object oriented design, Relational DB design, and XML design is required.

Working knowledge of operating systems internal (Shell scripting monitoring, debugging) in Linux environment is required.

Experience with backups, restores and recovery models.

Knowledge of Performance Tuning and Optimization.

Knowledge of High Availability (HA) and Disaster Recovery (DR).

Ability to work independently and work in a rapidly changing environment.

Ability to multi-task and switch effectively between different activities and teams.

MySQL DBA experience with experience of back-ups and replications.



Interested candidates may send their updated resume and relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "MySQL Database Administrator" in the subject line while applying.

### Sr Software Developer

Job Title: Sr Software Developer.  
Experience: 5 years.

Education: MCA.

Location: Delhi

No of openings: 8

Job Description:

- Development of Android and iOS mobile applications.
- Knowledge of cross platforms such as Cordova and Flutter.
- Consultancy and training on mobile application development
- Preparation of training documents and practical sessions support.
- Development support to other Centres pan India.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr Software Developer - Delhi" in the subject line while applying.

Software Developer

Job Title: Software Developer.

Experience: 2 years.

Education: MCA.

Location: Delhi

No of openings: 6 positions.

Job Description:

- UI Design for mobile applications.
- Development of Android and iOS mobile applications.
- Knowledge of cross platforms such as Cordova and Flutter.

Kindly send your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in).  
Please mention "Software Developer - Delhi" in the subject line while applying.

Senior Developer

Job Title: Senior Developer  
Experience: 5 years.

Education: MCA.

Location: Thiruvananthapuram, Kerala.

Working days : 6.

Job Description:

Development of Android and iOS mobile applications.  
Knowledge of cross platforms such as Cordova and Flutter.  
Consultancy and training on mobile application development.  
Preparation of training documents and practical sessions support.  
Development support to other Centres pan India.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Senior Developer - Thiruvananthapuram" in the subject line while applying.

Mobile Application Developer

Job Title: Mobile Application Developer.  
Experience: 2 years.

Education: MCA.

Location: Thiruvananthapuram, Kerala.

Working days : 6.

Job Description:

Development of Android and iOS mobile applications.  
Knowledge of cross platforms such as Cordova and Flutter.  
Consultancy and training on mobile application development.  
Preparation of training documents and practical sessions support.  
Development support to other Centres pan India.

Kindly reply with your updated resume & relevant details at the earliest on [priyanka\\_das@cms.co.in](mailto:priyanka_das@cms.co.in)

Please mention "Mobile Application Developer - Thiruvananthapuram" in the subject line while applying.

Senior GIS Developer

Job Title : Senior GIS Developer.

Education : BE / B.Tech / M.Tech / MCA / M.Sc - Computers / IT / Electronics / Systems.

Experience : 3 years

Work location : Delhi.

Job description :

Experience on Arcgis Javascript API version 3.x and 4.x  
Good GIS programming knowledge on ArcGIS Server of ESRI and open source GIS programming.  
Knowledge in Dot Net, JavaScript.  
Java programming will have added advantage.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention " Sr GIS Developer" in the subject line while applying.

## Sr. Test Engineer / Sr Quality Assurance

Job Title - Sr. Test Engineer / Sr Quality Assurance.

Experience - 3 years.

Education - BE / B.Tech / MCA / M.Tech / MS / M.Sc - IT / Computers / Electronics / Systems.

Certification - ISTQB.

Working Days - 6.

Notice Period : Immediate.

Work Location - CGO Complex, Lodhi Road, Delhi.

### Job Description:

Software Testing experience on both Manual and Automation Testing.  
Quality Control & Assurance- Reviewing requirements, specifications and technical design documents.  
Designing testing scenarios.  
Testing Experience on Selenium Tool.  
SRS Document.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr. Quality Assurance and Test Engineer - Delhi" in the subject line while applying.

## Help Desk - Technical Support

Job Title : Help Desk - Technical Support. :

Education : BE / B.Tech / M.Tech / MCA / MS / M.Sc - in Computers / IT / Electronics / Systems.

Certification: MCSA / RHCA / Any equivalent certificate.

Working days - 6.

Shifts - Rotational.

Work Location : Pune

Experience :1 to 3 years.

Key Responsibilities :

The help desk service will serve for all ICT related incidents and service requests.

The service will provide a Single Point of Contact (SPOC) and also resolution of all the incidents with root cause analysis.

The team should have adequate knowledge to resolve basic problems on their own.

If a person or team is not able to resolve the problem within stipulated time frame then needs to escalate according to the process.

This helpdesk system should align with ITIL based incident and problem management applications.

The Help Desk shall undertake the following activities:

Log issues / complaints related to ICT infrastructure at the Data Centre under the scope of work and issue an ID number.  
Assign severity level to each issue / complaint so as to maintain categorization and differentiate the criticality of the issues into different impact levels.

Track each issue / complaint to resolution.

Provide feedback to the callers.

Analyze the issue / complaint statistics.

Escalate the problems to the 3rd party Vendors / concerned Service in-charge if necessary as per defined escalation process.

Skills/Expertise:

Knowledge of operating systems i.e. Windows (all server versions), Red Hat Linux and Red Hat Advance Server etc.

Knowledge of clustering technology (Linux & Windows),

basic knowledge of backup operations.

Knowledge of Networking protocols such as FTP, HTTP, HTTPS, SSH, DNS etc.

Work experience on CA Service-desk.

Should have good communication skills.

Handling L1 / L2 level escalations on windows and linux servers.

L2 desktop engineer.

L1 Server troubleshooting.

Experience on ticketing tool.

Group policy, hardware, networking, firewall, trunk and access port.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Help Desk - Technical Support - Pune" in the subject line while applying.

## Liferay Developer

Job Title: Liferay Developer

Experience: 4 years

Education: BE / B.Tech / BCA / B.Sc / ME / M.Tech / MCA / M.Sc - IT / Computers / Systems / Electronics.

Location: Bangalore

Notice Period: Immediate to 30 days.

Mandatory Skills: Liferay, Java

Job Description:

Setting-up Clustered Liferay Portal environment.

Installation and configuration of Liferay on Tomcat and JBOSS.

Securing Liferay servers (Enable audit logging, assign correct roles to users).

Customizing and using Liferay out-of-Box portlets.

Required Skills:

3 years of experience in the area of Software Analysis, development, Maintenance and Support.

Almost 3+ years of hands on Liferay development experience including experience in design and development of Liferay external Plugins.

2+ years of JAVA/J2EE and Liferay / Java design patterns is desirable.

Strong Knowledge in J2EE, RDBMS, MVC Frameworks, ORM Tools, Web Servers, Web.

Experience on LDAP and Liferay auto login process.

Strong knowledge on SOAP and Restful web services and Configuring WS-Security.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)



## Sr. Dot net developer

Job Title: Sr. Dot net developer.

Experience: 7 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Location: Jaipur.

Notice Period - Immediate to 30 days.

### Job description:

Should have experience in developing Web based IT applications using Dot Net.

Should have experience of .NET 4.0 or above.

Experience in architecting software solution.

Should be proficient in using web technologies like HTML / JavaScript / JQuery , etc.

Should have sound knowledge of developing applications using RDBMS.

Asp.net , C# , SQL Server.

If interested, then kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr. Dot net developer - Jaipur" in the subject line while applying.

Dot net developer

Job Title: Dot net developer.

Job location: Hyderabad.

Experience: 3 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc - in IT / Computers / Electronics.

Notice Period : Immediate.

Skills Required:

Asp.net, C#, Sql server.  
MVC, Web Api.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Dot Net Developer - Hyderabad" in the subject line.

Tomcat Administrator.

Job Title: Tomcat Administrator.

Experience: 3+ years.

Education: B.Sc / BCA / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Kasturba Road, Bangalore.

Notice Period: Immediate.

Job Description:

Experience in installing & configuring Linux OS and Tomcat Application Server is essential.

Expertise in troubleshooting and resolving issues related to server and software is required.  
Should understand Kannada language.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "Tomcat Administrator - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

## PostgreSQL Administrator

Job Title: PostgreSQL Administrator

Experience: 3+ years.

Education: B.Sc / BCA / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Kasturba Road, Bangalore.

Notice Period: Immediate.

Job Description:

Experience in installation, configuration and monitoring PostgreSQL database.

Expertise in backup and recovery processes, system and SQL performance tuning and assist in extracting the data from

Should understand Kannada language.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "PostgreSQL Administrator - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

## PHP Developer

Job title: PHP Developer

Experience: 2 years

Qualification: Any Graduation / Any Post-Graduation.

Location: Bangalore

Notice period - Immediate

Mandatory Skills:

Cake PHP, PHP Development.

Required skills :

Strong knowledge on CMS framework , CakePHP , wordpress , Laravel, MySQL , Payment Gateway API , PHP web dev

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "PHP Developer - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

## Business Analyst

Job Title: Business Analyst

Location: Bangalore

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc / MBA - Computers / IT / Systems / Electronics.

Experience: 3 years

Notice Period: Immediate to 30 days

Job Description:

Requirement analysis.

Requirement gathering.

Client visits.

Good communication skills.

Must be fluent with Kannada language (read , write, speak, understand) - Mandatory.

Experience in handling government clients.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "Business Analyst - Bangalore" in the subject line.

Mysql Developer

Job Title: Mysql Developer

Experience: 1 year.

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Jaipur, Rajasthan.

Notice Period : Immediate to 30 days.

JD:

Mysql Development

Candidates will less experience or less exposure on mysql development can also apply as training will be provided i

Kindly revert with your updated resume & relevant details if you are looking for an opportunity.

Please suggest some references if you are not looking for change.

While applying, kindly mention "Mysql Developer - Jaipur " in the subject line.

## Technical Support Engineer Cloud

Job Title: Technical Support Engineer Cloud

Location: Delhi & Hyderabad

Education: BE / B.Tech / ME / M.Tech / MCA / M.Sc (CS/IT)

Experience: 0-3 years

Notice Period: Immediate

Job Description:

B.E./B.Tech (Computer/IT/Electronics) / MCA/ M.Sc. Computer Science / Equivalent or higher from a recognized university  
2. Knowledge of any scripting Language) 3. Experience – Any IT experience is desirable 4. Basic Knowledge of Cloud Computing/Web hosting/In  
5. Knowledge of Windows / Linux etc 6. Basic Knowledge of Networking protocols such as TCP/IP, FTP, HTTP, HTTPS, SSH, RDP etc

Kindly share your updated resume & relevant details on [nandkishor\\_kadam@cms.co.in](mailto:nandkishor_kadam@cms.co.in) at the earliest if you are looking for an opportunity.

While applying, please mention "Technical Support- Cloud " in the subject line.

Dot Net Web Developer.

Job Title: Dot Net Web Developer.

Location: Bangalore

Experience: 5 years

Education: B.Sc / BCA / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice Period: Immediate

Job Description:

Web Application Developer.

Bachelor's degree in Computer Science, or similar.

5 years of proven experience as a Web application developer using .NET Technologies.

Should have worked on ASP.NET framework, SQL Server and design/architectural patterns (e.S. Model-View-Controller).

Experience in C#, HTML5, Java Script, JQuery is essential.

Web API development experience is preferred.

Ability to collaborate on projects and work with multiple stakeholders.

Development experience in a Framework based environment is an added advantage.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an opp  
While applying, kindly mention "Dot Net Web Developer - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

### CCTV Engineer

Job Title: CCTV Engineer

Experience: 0 - 1 year.

Education: Diploma / Degree / ITI.

Notice Period: Immediate.

Location: Port Blair, Andaman.

Job Description:

Should have knowledge of Basic Electronics, Windows O. S. and CCTV Surveillance system.  
Maintenance of CCTV systems & sending weekly reports to Office.  
Good Communication Skills.  
Should be comfortable with client visit and field work in their regions.  
Should be able to provide Customer Support on Field.

Interested candidates can send their updated resume and relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)



## Android Developer

Job Title: Android Developer

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 2+ years.

Location: Bangalore (Arogya Soudha, Magadi Road).

Notice Period: Immediate.

Job Description:

Android Application Development.

Microsoft Certified Developers preferred.

Relevant experience in one or more e-Governance Projects is preferred.

Local database (sqlite, roam), designing, api connecting, google maps, offline application.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

## OEM Manager

Designation - OEM Manager

Location - Mumbai

Department - BSD – Solutions

Qualification - University degree (or equivalent) in BE, B.Tech, BCA, MCA & Business Administration

Notice Period - Immediate / 15days / 30 days

Relevant Experience - 10-15 years (Relevant partner management experience)

Candidate Profile

#### IT / IoT Sales Experience

At least one stint in managing relationships with revenue goal licensing technology or building bundles.  
Strong verbal, written, analytical, interpersonal and presentation skills  
Ability to call high/hold conversation  
Any special skills / knowledge essential Good Business Sense and industry expertise

#### Key Aspects of the job

Brings in Vendor (not VAD) relationship having worked in Indian companies or MNC's.  
Demonstrable experience in Selling, Vendor relationships  
Experience building contracts, proposals without too much of support.  
Ability to build a business plan and participate in Sales reviews.  
Products under OEM (IOT Solutions, Traffic Solutions - TRAFVIEW, Energy Utilities Solutions – SMART METERS)  
Support to develop and executes the agreed customer strategy.  
Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/M  
Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concern  
Develop and execute the agreed customer strategy in order to increase the business with the customer long term.  
Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Comp

#### Key Account Manager Solution Sales - Central Government

Designation - Key Account Manager Solution Sales - Central Government

Location - Delhi

Department - BSD

Qualification - University degree (or equivalent) in BE, BTech, BCA & Business Administration

Notice Period - Immediate to 30 days

Relevant Experience - 5-8 years in End to End IT Solutions Sales in IT Infrastructure Domain.

Any Other Information Individual Contributor Role / Willingness to travel extensively

#### Job Description

Key Account Manager is responsible for the maximization of division Account penetration and profitable growth of d  
and their Subdivisions.)  
Define process and plan to closure for large projects  
Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment f  
Support to develop and executes the agreed customer strategy  
Support the account business targets and is responsible for the achievement of the target  
Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decisio  
and forms the communication hub.

Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/M  
Establishes him/herself as the point of contact for escalations.  
Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concern  
Develop and execute the agreed customer strategy in order to increase the business with the customer long term.  
Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Comp  
Excellent Sales and Negotiation skills, Good Business Sense and industry expertise

#### Required Skills:

5 - 8 years of experience in B2B Sales/Corporate Sales/Enterprise Sales in IT Services Sales / IT Solution Sales in IT Inf  
University degree (or equivalent) in BE, BTech, BCA & business administration.  
Excellent communication in English and local language  
Ready to work as an Individual Contributor and travel across the required region.

#### Key Account Manager Solution Sales– Private/Corporate Business

Designation - Key Account Manager Solution Sales– Private/Corporate Business  
Location - Chennai  
Department - BSD  
Qualification - University degree (or equivalent) in BE, BTech, BCA & Business Administration  
Notice Period - Immediate to 30 days  
Relevant Experience - 5-8 years in End to End IT Solutions Sales in IT Infrastructure Domain.

Any Other Information Individual Contributor Role/Willingness to travel extensively.

#### Job Description

Key Account Manager is responsible for the maximization of division Account penetration and profitable growth of d  
Define process and plan to closure for large projects  
Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment f  
Support to develop and executes the agreed customer strategy  
Support the account business targets and is responsible for the achievement of the target  
Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decisio  
and forms the communication hub.  
Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/M  
Establishes him/herself as the point of contact for escalations.  
Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concern  
Develop and execute the agreed customer strategy in order to increase the business with the customer long term.  
Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Comp

Any special skills / knowledge essential    Excellent Sales and Negotiation skills, Good Business Sense and industry ex

#### Required Skills:

5 - 8 years of experience in B2B Sales/Corporate Sales/Enterprise Sales in IT Services Sales / IT Solution Sales in IT Inf  
University degree (or equivalent) in BE, BTech, BCA & Business Administration.  
Excellent communication in English and local language  
Ready to work as an Individual Contributor and travel across the required region.

Lead - Blockchain

Job title - Lead Blockchain

Education Qualification - B.E./ B.Tech

Location - Bangalore

8-10 years of industry experience

2-3 years of experience as project manager or pre-sales manager

Implementation of at-least one blockchain project from inception to go-live

Good communication skills and experience in making client presentation articulating solution

Delivery Lead: Data Science

Job Title - Delivery Lead: Data Science

Education Qualification - B.E./ B.Tech

Location - Bangalore

6-8 years of industry experience

5-6 years of experience in implementing data management solution (ETL, Analytics, Machine Learning, Reports)

Technical hands-on experience of programming, SQL Queries and data science

Good communication and inter-personal skills

### Presales Lead

Job title - Presales Lead

Experience - 8 to 10 years

Education qualification - MBA preferred

Location - Bangalore

#### Key Responsibilities:

Drive and manage pursuits with strong collaboration with the sales community

Bid management in the area of software proposals

Play a key role in winning pursuits

Participate in end-to-end bid management of medium/ large deals

Identify value drivers fitting with client and opportunity situation, develop value messaging and positioning based on value drivers/targeted units/ phasing/resources (including use of partners).

Participate in shaping deals, orchestrating winning

#### Skills/Expertise:

Good experience in bid management, sales support and solution's

Should have experience in proposal writing and client communication

Experience in preparing and tracking the bid status

Knowledge of pricing and quotes.

Good in creation of co-lateral / presentations / proposals for customer engagement

Skilled in making client presentation and demo

Experience in development of reusable assets and case studies repository

## System Administrator

Job Title: System Administrator

Experience: Fresher

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Jaipur, Rajasthan.

Joining: Immediate

Interested candidates can share their updated resumes on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) by mentioning "System Admin

## Sr Java Developer

Job title - Sr Java Developer.

Relevant Experience - 5 years

Education - BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / Electronics / IT / Systems.

Certification - Java

Location - Jaipur, Rajasthan.

Notice Period - Immediate

Job Description:

Should have experience in developing Web based IT applications on JAVA and J2EE Platform  
Should be proficient in using web technologies like XML / HTML / DHTML / HTML5 / JavaScript / JQuery / AJAX / Spring  
Should have sound knowledge of developing applications using RDBMS: MySQL  
Should have sound knowledge of Middleware: Glass fish  
Should have experience in Agile Software Development  
Should have a good understanding of managing IT security related issues while developing software.  
Knowledge on GIT , CI/CD , Gradle , Maven will be pulse .

Kindly revert with your updated resume & relevant details on ankita\_bhosle@cms.co.in if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "Java Developer - Jaipur" in the subject line.

### Service Desk Executive

Job Title: Service Desk Executive

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc

Experience: 3 years

Location: Bangalore

Notice Period: Immediate

Job Description:

- Fluency in English and Kannada (Read, write, speak, understand)
- Prior experience of at least 1 year working in Help Desk on outbound and inbound calls, answering queries.
- Opportunity for one service desk executive with a minimum of 5 years experience in handling service desk ope
- Knowledge and prior experience in working on specific computing applications proposed for Help Desk

Interested candidates can share their updated resume on hiring@cms.co.in

## RIM Engineer End User ( Remote Infrastructure Management Engineer )

Job Title: RIM Engineer End User ( Remote Infrastructure Management Engineer )

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc

Location: Bangalore

Experience: 4 years

Notice Period: Immediate

Job Description:

L2 level experience in Windows XP/ 7 for at least 4 years

Basic experience in networking and standard client applications such as M S Office, Antivirus, Client manager etc.

Experience in handling remote support

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

## MySQL DBA

Job Title: MySQL DBA

Location: Jaipur, Rajasthan

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice period - Immediate

Experience - 3 years



## Job Description

3 years experience in MySQL

Experience with backups, restores and recovery models

Knowledge of Performance Tuning and Optimization

Knowledge of High Availability (HA) and Disaster Recovery (DR)

Ability to work independently and work in a rapidly changing environment

Ability to multi-task and switch effectively between different activities and teams

MySQL DBA experience with experience of back-ups and replications

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "MySQL DBA - Jaipur" in the subject line.

## Business Analyst

Job Title: Business Analyst

Location: Bangalore

Experience: 3 years

Education: Any Graduate

Joining: Immediate

JD:

Requirement gathering

Requirement analysis

Client visits

Should be fluent with Kannada language (read, write, speak, understand)

Interested candidates can send their updated CVs on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

### Android Developer

Job Title: Android Developer

Experience: 2+ years

Location: Mumbai / Jaipur

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice Period: Immediate

JD:

Should have experience in android development and flutter.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "Android Developer - Jaipur / Mumbai" in the subject line.

## Assistant Manager - Operations

Job Title: Assistant Manager - Operations.

Location: Bangalore.

Experience: 0 - 1 year.

Education: Any Graduate / Any Post Graduate.

CTC: Will be offered on the basis of interview.

Notice Period: Immediate

No. of openings: 6

Job Description:

To look after operations of large Citizen Service based e-Governance project in Bangalore.  
Operations include quality of Service Delivered to Citizen.  
Monitor the adherence to the SOPs.  
Contribute to define SoPs for new service launched.  
Monitor Citizen Service Center Operations.  
Coordinate with IT team for uptime of IT equipment at Center  
Coordinate with Software team for application issues.  
Monitor housekeeping and Security at centers  
Monitor staff attendance  
Visit centers periodically  
Take citizen feedback and suggest corrective actions.  
Monitor cash management activities  
Coordinate with local authorities wherever required  
Detect the frauds, wrong practices etc and ensure best decorum is maintained in the centers.  
Fluency in Kannada is a must (read, write, speak, understand).

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

Hardware Executive

Job title: Hardware Executive  
Location: Bangalore  
Joining: Immediate

Education: Diploma / BCA / B.Sc / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / Systems  
Experience: 2 years

Job Description:

2 years of experience in maintaining desktops, Document Scanners, printers and other infrastructure.

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

## HR Trainee

Job Title: HR Trainee.

Education: BMS (HR) / MBA (HR)

Requirement Type: 6 months Contract (Extendable depending upon the performance and requirement).

Working Days : Monday to Friday (1st Saturday of every month is working).

Working Hours: 9.30 AM to 6.00 PM.

Joining: Immediate.

Location: Bangalore.

No of openings: 2

Job Description:

Technical / IT recruitment (Software and IT Infrastructure).

Sourcing through portals and different social media channels.  
Interview scheduling and co-ordination.  
Follow up with the candidate till she / he joins.  
Strong coordination with Talent Acquisition team.  
Good communication skills.  
Should be confident.  
Candidates from near by locations will be preferred.  
Currently working from Office on rotational / alternate days basis.

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity  
While applying, kindly mention "HR Trainee - Bangalore" in the subject line

#### Jr SQL DBA

Job Title: Jr SQL DBA

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc.

Notice Period: Immediate

Experience: 1 year

Location: Bangalore

CTC: Will be offered on the basis of interview.

#### Job Description:

Basic knowledge on RDBMS.  
Must have knowledge on T-SQL.  
Must have knowledge on Backup and restore.  
Basic knowledge on Jobs, indexes and recovery models.  
Must be fluent in Kannada & English (read, write, speak, understand)

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity  
While applying, kindly mention "Jr SQL DBA - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

### Remote Development Lead

We are hiring "Remote Development Lead" with at least 8 years of work experience for Mumbai location.

Education: Full Time degree in either of discipline -B. Tech / B.E. /MCA / M. Sc.(IT) and ITIL Certified (v3 and above)

#### Job Description:

- To direct the development team in designing, development, coding, testing and debugging on project applications
- Provide technical guidance to the development team and ensure development is carried out as per requirements
- Interface with CBIC for any proposed changes and technical support

#### Experience:

- Total Experience: At least 8 years of experience in large scale IT application implementation and operational support
- Should have more than 2 years of experience of handling IT projects as a Development Lead;
- Must be skilled and experienced in JAVA, J2EE, Oracle DB, MySQL and PostgreSQL

Interested candidates can share their updated resume on [sujata\\_nanhur@cms.co.in](mailto:sujata_nanhur@cms.co.in)

### Remote Support Lead

We are hiring "Remote Support Lead" with at least 8 years of work experience for Mumbai location.

Education: Full Time degree in either of discipline -B. Tech / B.E. /MCA / M. Sc.(IT) and ITIL Certified (v3 and above)

#### Job Description :

- Manage central and onsite support teams across multiple ICT locations;
- Ensure timely response to queries and resolutions provided within stipulated SLAs;
- Resolved and pending tickets along with RCA performed. the department;
- Oversee and manage deployment of resources on-site and liaison with officers and trade concerns;
- Manage tickets and provide timely resolution to tickets assigned to each ICT location or central support team;

#### Experience:

- At least 8 years of experience in large scale IT application implementation and operational support.
- Should have more than 2 years of experience of handling IT projects as a Support Lead d.

- Must be skilled and experienced in Oracle DB, MySQL and PostgreSQL.
  - e. Must have experience of any project management software
- Interested candidates can share their updated resume on sujata\_nanhur@cms.co.in

## Oracle IDAM

Immediate hiring #Oracle IDAM with 3 years of experience for our Mumbai location.  
 Education: Full-Time degree in either of discipline- B. Tech / B.E. /MCA /M. Tech/M. Sc.(IT)  
 Job Description:

Responsible to support the Development lead and Project manager to deliver task as per project requirements; .  
 Liaison with stakeholders for requirements and other team members to ensure delivery within agreed timelines;  
 The technology experience for the profile should be relevant as per the technology used in Project. For example, data  
 experience in Oracle database technology  
 Liaison and coordinate with SI team for infrastructure component and associated tasks

Interested candidates can email their updated CV's to sujata\_nanhur@cms.co.in

## Expert with Six Sigma black belt certified

We are hiring "Expert with Six Sigma black belt certified" with more than 10 years of work experience for Mumbai location.  
 Education : Full Time Masters degree in either of discipline - MCA /M. Tech/ M. Sc. (IT)/ MBA, Lean Six Sigma Black Belt  
 Job Description :

- Overall responsible for continuous improvements in processes defined for Project application and other related
  - Provide matrices to define service improvements in Project business processes and identify areas of improvement
  - Perform process re-engineering from technology perspective and suggest business process improvement to C
  - Provide insights and provide analytical reports on data received from various sources of Project application;
  - Formulate and manage central metrics team of 2 people or more members in approval with purchaser and un
- visualisation reports or customised dashboard, statistical modelling, Strategizing and roll out plan for improvement
- Experience :
- More than 10 years' experience in planning and executing large scale projects IT projects (both international and
  - Proven track record in Supply chain management domain, devise strategy and use IT solutions to execute the e
  - Experience in statistical modelling, knowledge of statistical and analytical tool used in present industry.

## Delivery Manager

Job Title: Delivery Manager.

Experience: 9 years

Location: Bangalore.

Notice Period: Immediate.

Education: BCA / B.Sc / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / Systems.

Certification: PMP (Optional)

### Job Description:

Should be having more than 9 years of industry experience and at least 2 years experience working in e-Governance.  
Should possess good communication and interpersonal skills with the ability to communicate technical issues to technical environment.

Project Management experience for software development in government domain

Should possess good stake-holder Management and Project Execution skills.

Should possess skills in project planning, risk management, vendor management and overall project service delivery.

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "Delivery Manager - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.



## WebSphere Administrator

Job Title: WebSphere Administrator

Location: Chennai

Experience: 2 years

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MS / M.Sc / MCA

Notice Period: Immediate joining

Job Description:

- Installation, implementation, upgrading, performance, security, patching and monitoring
- Maximizing availability and performance for all WASND and IBM HTTP Server Plugins and IBM HTTP Server systems
- Developing a detailed understanding of WebSphere Application Server Clustering for High Availability
- Providing maximum system availability and uptime for our WebSphere environments
- Monitoring, tracking, trending, analysis and tuning of the WebSphere environments
- Validating backup techniques to ensure ease of system recoverability
- Timely security patching and applying support fixes as required.
- Experienced in Web Sphere runtime topologies
- Experienced in IBM HTTPS Server (HIS)
- Experienced with XML and HTML
- Experienced in Web services (e.g., SOAP, UDDI, WSDL, etc.)
- Experience in Websphere Enterprise Service Bus events, problem determination, administration, and performance

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "WebSphere Administrator - Chennai" in the subject line.

Please suggest some references if you are not looking for change.

## Project Manager (Software)

Job Title: Project Manager (Software)

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 3+ years

Joining: Immediate

Location: Delhi

Job Description:

Manage the software development / maintenance team, Interact with user.

Prioritize & allocate work to the team, maintains the necessary parameters related to work allocation and progress, knowledge and hands on expertise about latest technologies.

Take care of all aspects for software project including deployment, hand holding, issue resolution etc.

Requirement prioritization, resource planning & user satisfaction.

Project manager is expected to have experience in requirements analysis, software design, development, testing & deployment.

Government project exposure is preferred.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "Project Manager(Software) - Delhi" in the subject line.

Please suggest some references if you are not looking for change.

## Business Analyst

Job Title: Business Analyst

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 3+ years

Joining: Immediate

Location: Delhi

Job Description:

Interact with user stakeholders.

Analyse and understand user requirements.

Document user requirements.

Interact with developer team for understanding and conversion to functionality in software.

Understand and Test functionality of existing software modules.

Study the software functionality and find out gaps with user requirements.

Present user requirements to developer team and developed software to users/stakeholders.

Document the existing system functionality, required functionality, gap-analysis, impart training & carry out hand ho

Exposure to government project will be preferred.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

While applying, kindly mention "Business Analyst - Delhi" in the subject line.

Please suggest some references if you are not looking for change.

Assistant Procurement Manager

Job Title: Assistant Procurement Manager

Experience: 5 years

Location: Mumbai

Education: Any Graduate

Joining: Immediate

Job Description:

Candidate Should have 5 to 6 years' experience in production procurement ( Like Integrated Circuit , resistor , Elect

Ample of knowledge about import through online as well as global sources

Should have awareness of product market and sources .

Good spend analysis , negotiation skill as well as vendor development and management .  
Should liaise with stakeholder / cross functional dept to deliver the project.  
Good communication skill & team player.  
Should know procurement to pay process. ( PR to payment )  
Knowledge of SAP system is must .

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention " Assistant Procurement Manager - Mumbai" in the subject line.

Please suggest some references if you are not looking for change.

#### Service Procurement Executive

Job Title: Service Procurement Executive  
Location: Mumbai  
Experience: 3 years  
CTC: Will be offered on the basis of interview.  
Joining: Immediate  
Education: Any graduate

#### Job Description:

Candidate should have experience in services procurement ( like AMC, job outsourcing/sublet) .  
Should have knowledge of service contract and outsourcing of job .  
Well versed with contract milestone and payment mile stone in services .  
Should know contractor and service provider across the country .  
Should define and abide scope of work with the help of project team .  
Place order and formalize contract to vendor with SLA, Scope, Milestone .  
Coordinate with project team and site engineer for details work to be executed at site.  
Team player, good communication skill.  
Source negotiate and manage the service provider.  
Coordinate with project, & cross functional dept for services delivery  
SAP knowledge is must.  
Service market (Labor and AMC)  
Determination of clauses – ( Payment milestone – limitation of liability )  
Awareness of civil and not IT associate material  
Labour vendor management.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

While applying, kindly mention "Service Procurement Executive - Mumbai" in the subject line

## Alliance Manager

### Summary:

Years of versatile experience in IT industry including 3-4 years of dedicated experience in working with OEMs/Partners. Is responsible for adding value to a company by extending its accounts to company partners. Relationships with these companies. The main objective of an alliance manager is to increase long-term revenue as well as performance of the company.

### Responsibilities:

An alliance manager must be able to develop and maintain broad and deep external partner relations with company partners.

Is knowledgeable of the partner's propositions, their markets, business challenges and customer opportunities;

Ensures partner account of the vision, strategies and capabilities of the alliance;

Maintains updates to the partner of the latest developments of their alliance account; provides feedback to the partners if needed;

Develops and executes attainable and strategy plans with the market needs;

Builds multi-level relationships with its partners including those in the executive level;

An alliance manager will also need to be able to gain a clear overview of the alliance, over what is happening at the partner level. The alliance manager will need to analyze the continuously changing information and suggest and implement adjustments.

### Knowledge and Skills Requirements:

Alliance managers must have a passion for sales and technology.

Deep understanding of the Vendor Ecosystem ( DC Hardware providers, Storage/Backup providers, Network Hardware providers, Tools & software providers, Other System software providers)

Ability to drive a relationship especially with senior leadership and subsequently get our sales engaged with vendor sales.

Capability to look at skills/certifications required and works with you to build them internally across stakeholder units.

Among the most critical skill is pricing and ability to negotiate aggressive winning process thru early engagement and execution.

His drive must come from the willingness to help the company's growth.

He must have exceptional communications skills as it will be the core of his career.

He must know how to build relationships as well know how to maintain them.

He must be disciplined in working with people as well as be culturally sensitive in dealing with them.

That element brings along a lot of relationship and stakeholder management to the role of alliance managers: relationship with the own organization including getting buy-in from colleagues.

On the one hand, the alliance manager needs to have an understanding of financials, business, development, and sales.

At the same time, the alliance manager needs to be able to think outside the box and identify new opportunities in the market to evolve the alliance.

The alliance manager is certainly a versatile person a seasoned professional who have worked in several areas of business.

Maturity required to be able to work with stakeholders through all layers of the organization, to run the business as a team.

#### Education and Training Requirements

A bachelor's degree in Engineering with MBA is required. Having handled complex IT projects would be an advantage.

### Software Developer

Software Developer : Looking for the candidate who have the experience in dotnet & MVC.

Location : Bangalore

Exp : 4+Yrs

#### Technical Requirements

Excellent knowledge of ASP.NET (MVC), C#, .Net Framework 4.0, Entity Framework, JQuery, AngularJS/Meteor JS,HTML5

Proficiency with Web Services and Web Technologies

Proficiency with continuous integration tools and techniques

Very good SQL Server 2008,2012,2014 concepts and knowledge

### Embedded Linux Developer

Position name : Embedded Linux Developer

Location : Trivandrum

Experience : 3-5 yrs

Job Description:

Embedded Linux application development using C or C++ Programming and Testing.  
Good Problem solving skills and communication skills is a must  
Shall be familiar with Linux internals, commands, and bootloaders, device drivers, etc

### MySQL DBA

Job title : MySQL DBA

Experience : 2- 3 years

Education : BE/Btech/MCA

Location : Jaipur

Requirement:

Minimum 2 years experience in Database administrator role for managing MYSQL RDBMS.  
Strong Object oriented design, Relational database design, and XML design is required  
Experience in clustering and replication

### Account Manager

Position : Account Manager

Location : Chennai

Exp: 4-8 years,

Skills: Understands the Customer's business and technical requirements and/or competitive landscape and design a

aststructure landscapes and are able to build solutions for Computing, storage, networking & software solns. Opportu  
ks to build high customer satisfaction.  
Please send CV to shalaka\_rawal@cms.co.in

### Business Analyst (ERP)

Job title : Business Analyst (ERP)

Experience : 3 – 5 years

Location : Delhi

Job description:

- Determine operational objectives by studying Tech business functions
- Gathering information
- Evaluating output requirements and formats. Construct workflow charts and diagrams, studying system capabilities
- Writing specifications
- Improve systems by studying current practices
- Designing modifications
- Define project requirements by identifying project milestones, phases and elements
- Prepare technical reports by collecting, analyzing and summarizing information.
- Interpret evaluate and develop integrated business analyses and projections for incorporation into strategic decisions
- Understand and communicate the financial and operational impacts of any changes
- Create informative, actionable and repeatable reporting that highlights relevant business trends and opportunities
- Conduct insightful, ad hoc analyses to investigate ongoing or one time operational issues.
- Good understating ERP domain is must

### Field Engineer

Job title : Field Engineer

Exp : 1 year  
Location : Ahmedabad  
Education : ITI/Diploma in Electronics



Job description:

- Experience in CCNA, Networking, Windows.
- Experience/ Knowledge on Biometric access machine, DNS, DHCP.
- Experience in resolution of technical issues related to hardware/Software.
- Field work

Backup administrator

Job title : Backup administrator

Experience : 1 - 4 years.  
Location : Delhi and Hyderabad.  
Education : BE / B. Tech / M. Tech / M. Sc / MCA - Specialization in IT / Computers / Electronics.  
OR  
BCA / B. Sc along with PG Diploma in Computers or Electronics / MBA in IT or Systems.

Job description :

- a. Performance monitoring and tuning of all the SAN components, like Storage system, fiber switches & backup etc.
- b. Installation and configuration of Backup server, TL setup, TL drives sharing, SAN client setup, APM's and clients on p over LAN and SAN.
- c. Backup and restore operations according to data-center policies including scheduled drill operations and on-demand.
- d. Analyzing the OS & Backup logs, alert logs, Warning logs and other trace files and diagnosing problems.
- e. Maintaining index and logs as per retention policies.
- f. Media Management with Proper Retention Period. Maintaining proper records of tape media, Backup Database,
- g. Daily health check and troubleshooting of failed backups.
- h. Co-ordination with Onsite Team & Vendor to fix Jukebox / Tape Library Issues.

Skills / Expertise :

- Should have worked as Backup administrator on any one of the following Backup Software, NetVault / Networker /
- Should have possesses basic knowledge of popular Operating Systems like, Windows, Red Hat Linux etc.
- Knowledge of clustering technology (Linux & Windows)
- Knowledge of Databases i.e. MS-SQL, MY-SQL, PostgreSQL, Oracle, DB-2 etc.
- Knowledge of Networking protocols and Local Area Networks
- Knowledge of VTL, LAN/SAN clients, NDMP etc.
- Knowledge of installation and configuration of backup agents / APM on servers, configuration of VTL, sharing drive
- Working experience on enterprise backup software such as Netvault, Legato Networker etc.

- Knowledge of bar code labeling and maintaining the record.

## Storage administrator

Job title : Storage administrator

Experience : 3 – 7 years

Location : Delhi and Hyderabad

Education : BE / B. Tech / M. Tech / M. Sc / MCA - Specialization in IT / Computers / Electronics.

OR

BCA / B. Sc along with PG Diploma in Computers or Electronics / MBA in IT or Systems.

Job description:

The Storage Administrator shall undertake the following activities :

- Storage administrator shall be responsible for the management of the storage solution including, but not limited to disk array, SAN fabric / switches etc. It should be noted that the activities performed by the agency will be under the supervision of the client.
- Storage administrator shall be responsible for storage management, including but not limited to management of storage capacity, business continuity volumes, performance etc.
- The storage administrator will be required to create/delete, enable/disable zones.
- The storage administrator will be required to create/delete/modify storage volumes on Disk Arrays.
- The storage administrator will be required to create/delete, enable/disable connectivity and access rights to storage.
- To facilitate scalability, availability and performance of solution wherever required.
- FC switch Configuration, firmware up-gradation, zoning, monitoring, reporting and analyzing performance and configuration.
- Installation and update the HBA drivers on servers.
- Storage administrator must have hands on in latest technologies in storage solution like storage virtualization, cloud storage and NAS. He must have understanding of heterogeneous environment in storage solution.
- Storage administrator must have the clear understanding of managing, provisioning and performance analysis of storage.
- The administrators will also be required to have experience of migration from old technology to new technology like from SAN to cloud.
- Storage administrator shall be responsible for remote replication including but not limited to management of key parameters. It also includes managing, configuring and monitoring the remote replication link.
- Storage administrator will be required to create/delete/modify storage volumes and replicate from DC location to DR location at the time of DR drill and at the time of actual DR on the requirement basis.
- Troubleshooting, diagnosing issues and providing root cause analysis (RCA), related to Storage infrastructure including SAN, NAS, etc.

- o. Storage system monitoring, report generation and performance analysis.
- p. Automatic Report Generation through Report Manager and Sending alerts to administrators / users.
- q. Preparing reports and keeping them updated as per the Data Centre policies. Maintaining asset record, preparing e.
- r. Shall have to provide support over the phone during non-working hours.
- s. Minimum 3 years of experience in Storage Arrays implementation & administration, SAN implementation & admin

#### Skills / Expertise:

- Should OEM certified on Storage product.
- Should have possess in-depth knowledge of Storage Arrays like EMC, HP, Hitachi,
- Should have worked on MDS switches and should have sound knowledge of FC networking.
- Should have knowledge of remote replication technologies
- Should have possess basic knowledge of popular Operating Systems like, Windows, Red Hat Linux etc.
- Knowledge of clustering technology (Linux & Windows) and basic knowledge of virtualization technologies
- Knowledge of Databases i.e. MS-SQL, MY-SQL, PostgreSQL, Oracle, DB-2 etc.
- Knowledge of Networking protocols and Local Area Networks
- Knowledge of Fiber Channel protocols like SCSI, iSCSI , FCoE, FCIP etc.

### Security Operations

Job title : Security Operations.

Experience : Minimum 3 Years of IT experience.  
1 year of experience as a Security Operations. (Large Data Centre experience will be preferred).

Location : Hyderabad.

Education : BE / B. Tech / M. Tech / MCA / M. Sc in Computers / IT / Electronics.  
OR  
BCA / B. Sc with PG Diploma in Computers / IT / Electronics or MBA in IT / Systems.

Job description :

Skill Set required :

1. Knowledge of operating systems, network devices and security devices.
2. Knowledge of installation & configuration of L-2 & L3 switches, VLAN configuration etc.
3. Knowledge of Networking protocols.
4. Knowledge of operations and troubleshooting of network security appliances such as firewall, IPS, DDoS, SIEM, An

Scope of Work :

- Data Centre Security Operations staff would have to work 7 days a week 24x7 basis (including holidays).
- Responsible for operations of the Data Centre Security Operations Centre.
- Should be capable of carrying out security operations along with the Security Administrator in delivering the assign

## Senior DotNet Developer

Position title - Senior DotNet Developer

Experience - 4+ years

Location - Mumbai

Required skills -

Asp.Net, MVC, C#

Web and Windows application

SQL

Multi-threading

## Java Developer

Position Title - Java Developer

Experience - 3+ years

Location - Trivandrum

Required skills -

Java, Javascript, JSP programming skills.

Web application design and development using Spring / Hibernate.

Opensource Software library integration exposure is a must

## App Programmer - .NET

Position title - App Programmer - .NET

Experience - 2-5 years

Location - Delhi /Hyderabad

Education - BE/Btech/MCA

Required skills -

- 2-5 years of Web/Mob System/App Programming

- Hands on exposure to .NET based technologies .NET 3.0, 4.0, 4.5, ASP.Net, C#, MVC 4/5

- Experience in SOA concepts with WCF, WPF or Service Stack, Android programming

- Experience in configuration management tools like SVN/TFS

## Dot Net Developer

Job Title: Dot Net Developer

Location: Chennai

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Notice Period: immediate

Experience: 2 - 4 years

Skill sets:

dot net, asp.net, c#, sql server, mvc, ado.net, web application.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

## Marketing and Materials Management Expert

CMS Computers Ltd is hiring Domain Specialist- Marketing and Materials Management Expert at Mumbai.

Please find below the details:

Qualification : MBA (Marketing) or MBA (Manufacturing) or MBA (Sales)

Location : Mumbai

Experience : 6+ Years

Requirement:

No. of projects handled-Ideally 5 or more in manufacturing domain

### Desired Skills & Experience

Minimum 10 years of industry experience in sales, marketing or manufacturing domain

Proven functional experience with at least three full implementations

Experience in implementing marketing and materials management for manufacturing industry

Ability to understand business processes from a customer perspective

Ability to work in a team environment, effectively interacting with others

Must be results oriented, and demonstrate a "Can Do": attitude – adaptability and flexibility

Willingness for short term travel within India to different client office for project requirements

### Job Responsibilities

Facilitate the implementation and support of below mentioned ERP marketing modules

Order processing (Custom orders, Domestic orders, Export Orders)

Material Purchase Requisition

Budget

Job proposal.

E-bidding and e-tendering

Invitation of tender / Receipt and opening of Bids

Evaluation of the techno-commercial bids

Opening and Evaluation of Price bids

Report Generation

Perform detailed analysis of complex business process requirements and provide appropriate system solutions; identify

Facilitate workshops to collect business requirements

Design, customize, configure and testing of marketing and material management modules.

Map client business requirements, processes and objectives; develops necessary product modifications to satisfy client

Identify gaps, issues and work around solutions.

Document functional designs, test cases and results.

Proactively identify and propose business process and/or system enhancements

Provide consulting services on both new implementations and existing support projects

Act as liaison with client for troubleshooting; investigate, analyze, and solve software problems.

Act as a liaison between the business functions and the technical team.

Provide ad-hoc training and user support as required

Work self-directed and independently; act as subject matter mentor to junior members

To apply please mention MM-Specialist in the subject line and share your resumes at [komal\\_bhogte@cms.co.in](mailto:komal_bhogte@cms.co.in)

## Embedded Firmware engineer

Job title : Embedded Firmware engineer

Exp : 3-4 years

Location : Trivandrum

Education : BE / B.Tech / MCA.

Job description:

- Embedded C programming.
- Exposure with I2C, SPI, ADC, PWM, UART interfacing exposure with micro controllers
- Firmware development and testing.

## Automation test engineer – Selenium

Job title : Automation test engineer – Selenium

Experience : 4 – 6 years

Location : Trivandrum

Education : BE / B.Tech / MCA.

Job description:

- SW Product testing.
- Knowledge of networking protocols, operating system etc is added plus.
- Automated (preferably using selenium, Jmeter etc) SW Testing exposure is a must.
- Experience in making test plan, test cases, etc and generate various Test arts facts by collating team efforts is highly

## DB2 Administrator

Position : DB2 Administrator

Location : Chennai

Qualification : BE/Btech , MCA

Job Description :

Provide Technical, Customer and Team deliveries for successful database administration in DB2

Physical implementation and support of databases

Monitor and maintain databases to produce stable and efficient systems

Database helpdesk support that includes Database tuning and resolution of performance issues

Provide Data fixes

## Java Developer

Job title : Java Developer

Experience : 3 - 5 years.

Location : Jaipur

Education : BE / B.Tech / MCA / MSc. IT

Job Description:

- Should have minimum of 3 years (post-qualification) in developing Web based IT applications on JAVA and J2EE Platform
- Should be proficient in using web technologies like XML/ HTML/ DHTML/ HTML5/ JavaScript/ JQuery/ AJAX/ Spring/ EJB
- Should have sound knowledge of developing applications using RDBMS: MySQL
- Java Certification is essential

## Procurement



CMS Computers Ltd is hiring Procurement at Mumbai.

Please find below the details:

Work location : Bhandup, Mumbai

Education : Any Graduate

Experience : 1-7years

**Job Description:**

Manage IT & Non IT procurement independently Like Hardware, software, networking, security surveillance, Labour  
Should have knowledge of contract management and installation work.

Liaise with all OEM, build alliances to obtained best rate and terms.

Float enquiry to OEM and disty and obtain the quote

Evaluate quote and vendor necessary factor like cost credit deliveries

Spend analysis and determine cost for material

Negotiate with vendor and take approval on cost

Formalize rate & prepare purchase order with consent of manager

Order placement and follow with vendor for delivery

Coordinate with stakeholder and accounts for payment

Prepare MIS for project and procurement status

Trouble shooting and vendor conflict management

Must aware about import and incoterm ( CIF/FOB)

Should have good communication skill oral and written

Knowledge of electronics material will be added weightage.

**Desired Candidate**

Candidate should have minimum 1 to 7 years relevant experience

Candidate should be from IT industry (Preferred from System Integration)

Candidate should have adequate knowledge IT material and Market

Candidate should aware and deal with OEM and national Disty

Candidate should have experience of IT/ electronic project procurement

To apply please mention Internal Audit in the subject line and share your resumes at [naina\\_tambe@cms.co.in](mailto:naina_tambe@cms.co.in)

**Storage and Backup Specialist**

**Skills & Experience:**

Have 8-10+ years Storage/Backup Deployment/administration/ technical Support experience.

Strong experience in providing technical support including remote troubleshooting and resolution.

**Skills Summary:**

Expert Experience and knowledge in Managing many of SAN/ NAS /Backup management products and technologies  
MC, Data Domain, NetApp, , Veritas, CommVault and Veeam etc).

Should have handled POC/Presentations on the above technologies

Ability to carry out Assessments/Audits on Storage/Back-up infrastructure and should be able to make recommendations

Desired Certifications - EMC solution architect or NTSP, Veritas certified Pre-Sales architect

- Must have at least 2 years of experience as an expert on the Storage/Backup technologies.
- Good knowledge in convergent infrastructures with skills in x86 servers while being an expert storage/backup architect

Preferred Skills:

Though it would be difficult to be an expert on all the following, the candidate is expected to have expertise in many of the following:

SAN Network : Brocade DCX, FC/FR, Juniper QFX, FCoE

Storage boxes : DELL/EMC Vmax and VNX, HPE 3Par, Netapp, FAS, HDS

Backup Software : Veritas Netbackup, CommVault, Veeam

Backup Hardware : DELL/EMC DataDomain & Avamar, Veritas

Tiering, deduplication, compression, thin provisioning, density IO, storage management, strong knowledge in replication

Proficient in problem solving, installation, Configuration, Performance Optimization, and Storage/Backup administration

- Proficient in documenting existing and new infrastructure deployments and architecture diagrams
- Demonstrated experience in dealing with large-scale, highly available, and SLA managed services.

Responsibilities:

- Act as the Storage/Backup expert for the wider organization and provide technical escalation support.
- Owns the escalated issues till its resolution including working with Product technical support for closure.
- Has an oversight on Storage/Backup build/migration projects and provides support as and when requested.
- Identifies knowledge gaps, Publishes knowledge articles, and conducts technical training to equip the field teams.
- Establishes standard procedures for various tasks and activities as delivered by Level 2/ Level 1 teams.
- Conducts regular audits on the delivery projects to ensure compliance to standards.
- Makes recommendations for improved system performance and parameter tuning.
- Research, Investigate and develops various tools/products that could help delivery project and Operations teams.
- Develop new automation and administration tools
- Manage product releases and maintenance updates in the delivery streams
- Evaluate, specify, help implement performance and availability monitoring tools
- Provide technical support for Performance monitoring, advanced troubleshooting of complex Storage/Backup projects, storage migrations and upgrades etc.
- Suggests and/or implements solutions to resolve problems and maintain a high level of customer satisfaction.

Personal Information

Title\*

Please select Title  
Mr.  
Ms.  
Dr.

Gender\*

Please select Gender  
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Female

first name\*

MIDDLE NAME

LAST NAME\*

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Preferred Location\*

Contact No.\*

Email\*

EDUCATIONAL QUALIFICATION\*

PROFESSIONAL Certification

Total Experience\*

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Designation\*

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### Partners In Growth

Our clients are not mere customers for us. We envisage their business goals, analyse risks together, design processes and manage the entire business cycle as their partners in growth and expansion.

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It's been over 37 years since CMS was born. One thing that remained unchanged is CMS's commitment to clients through our al experience of harnessing Information technology to deliver real world solutions for our clients across a wide spectrum of IT-enabled business services allows us to be the ideal partner in their transformation.

We are very domain rich, with deep specialization in Transportation, Security, Energy Management, Media and Government. We are transforming their businesses leveraging CMS's solutions.

At CMS, we understand your goals. Through a collaborative approach and our experts, we transform our client's strategy. Delivering citizen services right down to the villages, bringing transparency through land records, lending a helping hand in India's transformation. By integrating data across traffic signals, controllers and surveillance cameras complemented with analytics to make informed decisions.

With 50 per cent of population expected to live in cities by 2030, city leaders are leveraging our Surveillance solutions. Governments are managing their workforce effectively.

Businesses, Power plants, SEZs, large commercial complexes and residential towers are using CMS's energy management solutions. As the region implements Smart Grids for intelligent monitoring, control and communication, CMS is bringing its innovation to companies as they transform from traditional broadcasting to taking advantage of Big Data, Social Media & the Cloud. Making operations transparent and making operations cost-effective for corporates. Combining Innovation, unparalleled experience, CMS clients deliver higher levels of performance, efficiency and effectiveness.

Learn here about how a select set of clients benefited from CMS solutions.

## TRANSPORTATION & TRAFFIC SOLUTIONS

Aligarh Development Authority

AURANGABAD MUNICIPAL CORPORATION

Bangalore Development Authority

Bhiwandi Nijampur City Municipal Corporation

Delhi Integrated Multi-Modal Transport

DSC Limited

EMD-Karnataka Road Development Corporation Ltd

Ford India Private Limited

GHAZIABAD DEVELOPMENT AUTHORITY

GMR Projects Pvt Ltd

Greater Hyderabad Municipal Corporation

Haryana Renewable Energy Development Authority

J. Kumar Infraprojects Ltd

J.M. Mhatre Infra Pvt Ltd

Kakinada Municipal Corporation

KALYAN DOMBIVALI MUNICIPAL CORPORATION

KOLHAPUR MUNICIPAL CORPORATION

M.S.E.B.

MIRA BHAYANDER MUNICIPAL CORPORATION

MTNL MUMBAI

MUMBAI METROPOLITAN REGION DEVELOPMENT AUTHORITY

MUNICIPAL CORPORATION BHOPAL

MUNICIPAL CORPORATION OF LUDHIANA

Nagpur Municipal Corporation

NASHIK MUNICIPAL CORPORATION

NATIONAL HIGHWAY AUTHORITY OF INDIA

NAVI MUMBAI MUNICIPAL CORPORATION

NIKHIL ENTERPRISES

PIMPRI CHINCHWARD MUNICIPAL CORPORATION

PUNE MUNICIPAL CORPORATION

RICE LAKE WEIGHING SYSTEMS

Sri Maharaja Industries

SURAT MUNICIPAL CORPORATION

TATA IRON & STEEL CO LTD

TATA Steel Ltd.

THANE MUNICIPAL CORPORATION

VDB PROJECTS (P) LTD

WAVETRONIX

## ENERGY MANAGEMENT SOLUTIONS

Aarcee Mittal Electricals

Adani Power

Adhunik Group

Aditya Birla Nuvo

Alstrong Enterprises India

Ametek

Arkay Energy (Rameswaram) Ltd

BALCO

Bharat Heavy Electricals Ltd

DC Industrial Plant Services

Federal Moghul Goetze India

Forech India



GIPCL

GMR EMCO

Hero Moto Corp

Hindustan National Glass Ltd

Hindustan Unilever Ltd

India Yamaha Motor Pvt Ltd

Indian Metals & Ferro Alloys

JSW Energy Ltd

Lanco Anpara Power Ltd

Maharashtra Seamless Limited

Maithon Power Ltd

Neyveli Lignite Corporation Ltd

NTPC

Ram Engineers

Steel Strips Wheels Ltd

Tata Power

Welspun Energy Ltd

West Bengal Power Development Corp Ltd

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Khabrein Abhitak

NDTV, New Delhi

Tata Sky

GSTV Ahmedabad

Sun TV ,Chennai

10 TV, Hyderabad

Aakash Bangla, Bhubaneswar

ABP Ananda Kolkata

ABP News (STAR News), Noida

Balaji Telefilms, Mumbai

BISAG, Ahemdabad

Broadcast Engineering

Cinevistaas Studio, Mumbai

CNEB TV,Noida

CVR Heath & News, Hyderabad

Doordarshan Kendra

DY 365, Guhawati

ETV ,Hyderabad

HMTV,Hyderabad

i-Witness TV

IISC Bangalore

IIT , Kharaghpur

IIT Powai, Mumbai

IIT, Chennai

Jano Duniya, Ahemdabad

Kaashish TV, Ranchi

Kanak TV, Bhubaneswar

Kasturi TV, Bangalore

Khabar Bharti

Naxatra TV , Bhubaneswar

R-Plus , Kolkata

Raj TV, Channai

Rajya Sabha Television

SAIMS , Indore

SRFTII, Kolkata

SRM,University,Channai

Star Sports (ESPN),Mumbai

Surya TV , Trivandrum

Times Now , Mumbai

V6,Hyderabad

Zee Entertainment, Mumbai

## E-GOVERNANCE SOLUTIONS

Bharti AXA

Govt. of Andhra Pradesh

Govt. of Gujarat

Govt. of Karnataka

Govt. of Madhya Pradesh

Govt. of Maharashtra

Govt. of Punjab

Govt. of Rajasthan

Govt. of Uttar Pradesh

## SURVEILLANCE & WORKFORCE SOLUTIONS

ABN-AMRO

Accenture

Aditya Birla

Air India

Airtel

Allied Telesis

AT&T

Bank of America

Bank Of India

Bayer Healthcare

BCG

Bharti

Booz Allen Hamilton

BSNL

Citibank

Control Applications Ltd

Future Group

GE Capital

GlaxoSmithKline

HDFC Bank

Hindustan Aeronautics Limited

Hindustan Petroleum

HSBC

Hutch

IBM

ICICI Bank

IDBI Bank

Idea

IIT Powai, Mumbai

Indian Institute of Management

Indian Oil

Infinova

JP Morgan

Lufthansa Networking

Mckinsey & Company

MTNL MUMBAI

National Stock Exchange

NIIT

NSDL

P&G

Ranbaxy

Reliance

Reliance Energy

Reliance InfoComm

Reliance Life Insurance



Shoppers' Stop

Singapore Airlines

SONY

Standard Chartered

State Bank of India

Stock Holding Corporation

Tata AIG Insurance

Tata Share Registry

Videsh Sanchar Nigam Limited

Visa

Wockhardt

TEST

OUR PRODUCTS

On Behalf Of M/S Bharat Petroleum Corp. Ltd – Jobner Terminal Team Of Engineering & Project, I Take The G  
Your Best Contribution , Full Time Supports & Not Leaving Any Stone Untouched To Achieve The Completion Of  
th Quality And Safety

Bharat Petroleum Corporation Limited

Mr. Mohammad Gayasuddin - Chief. Manager.Construction I/C Â– KJPL P/L Projects

When new regulations of Central Electricity Regulatory Commission (CERC) came into effect recently, we had to upgr  
s to change the dashboards and readings was very intricate and we were seeking an expert who could modify our sy  
r the project and its engineers did an outstanding job by successfully upgrading the system within the scheduled tim  
line monitoring interface. Their technical experts are not only well-equipped with experience and knowledge of ABT  
can totally bank upon CMS when it comes to ABT solutions.

NIC ABT Project, Tamil Nadu

Neyveli lignite Corporation, Neyveli, Chennai - General Manager

The whole experience of working with CMS computers is very pleasant. They have designed a superb and tailor-mad  
tions backed by a professional, cooperating and hard working team. The best part is they are always willing to walk t  
diversified product portfolio and an attitude to excel in customer satisfaction, we're confident that CMS computers w

Lanco EMS Project, U.P.

Lanco, ABT/EMS Project at Anpara Thermal Power Station, U.P. - Senior Manager

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## Incubation at CMS

### Giving Wings to Ideas

The CMS Business Incubation initiative aims to provide a conducive and scalable environment in which emerging companies can thrive. Since Inception, CMS has encouraged a culture of innovation internally which helped create several businesses ahead of their time, many of which simplify lives taking advantage of Information technology.

It is our strong belief that information technology can play a transformational role in improving the quality of life of citizens by raising the economic competitiveness, creating avenues for sustainable incomes down to the villages and having social impact. Harnessing of knowledge, technology and entrepreneurship can accelerate this process of evolution.

### CMS Business Incubation Initiative

Leveraging Technology innovations creates competitive advantage across several areas including operations, client engagement, presence of Social Technologies, Mobility, Analytics and Cloud with information at the centre are opportunistically aligned. The CMS Business Incubation initiative is dedicated to providing a conducive and scalable environment in which emerging companies can thrive and grow. The emphasis is on promoting entrepreneurs who have passion to work with technologies which help simplify lives. CMS's Incubation model creates cutting edge technology companies solving real world problems becoming the first in the market.

### Why Incubate?

The combination of Internet of Things, technologies like Mobility & Analytics are narrowing the gap between the real world and the digital world. CMS has been at the forefront of leveraging Internet of Things to solve real world issues. Be it traffic controllers, smart homes or delivering government services to citizens, CMS has delivered answers to real world issues challenging mankind. Our Real world experience and mentoring creates a synergistic environment where entrepreneurs can learn, create and grow.

st-tracks the growth of early stage businesses, improving the survival rate of start-up companies and entrepreneur in Incubation Process

We follow a very simple process in our Incubation program. Are you playing in cutting edge technology domains? Do you have a product to play? Does your solution have the potential to scale up? Do you see untapped market opportunity that are potentially have a discussion and fast track the process.

The process begins with a careful evaluation of the companies or entrepreneurs and their industries. The Incubation process follows models in dynamic, high-growth industries. We are specifically attracted to companies in the SMAC area as well as growth in IoT, Internet of Things etc. A careful screening prepares companies for the challenges of sustenance, scale and success by differentiating from the classical incubation models in the market. While we have a fairly systemized documented process, The formal incubation process takes place through a series of strategic working sessions which helps in fleshing out technology selection and manpower planning. This helps build the nucleus of a business plan including revenue, market and inhibitors.

Our experience across industry domains as well as technical expertise helps participants create a business model, develop a plan and finally build a clear roadmap into the market. At the heart of our engagement is the mentoring process done by experts as finance professionals. The mentor can help identify the opportunities and challenges to the business, effectively providing support and very often on demand, complementing the infrastructure facility support that is available on tap.

This provides entrepreneurs and early stage companies with the opportunity to focus on their business including product development and team management leaving the operational challenges to CMS. The CMS promise to early stage cutting edge technology companies is to help them build a successful business, which could still use some financial support and coaching. We will help you strive and thrive. CMS

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### Re-Imagining A New World

CMS has always been at the vanguard of the IT movement in India with the sole objective to empower people with technology. Founded as Computer Maintenance and Services Company in 1976, CMS Computers Limited is a pioneer and leader in the industry. With over 100 locations in India, CMS Computers is adding value to every industry through its products, services and offering. Over the last 37 years, CMS has played an integral role in helping clients succeed through many economic cycles. CMS provides e services, transportation & traffic solutions, energy management solutions, surveillance and workforce management technology with client businesses.

Associate companies of CMS Computers, CMS Infosystems and Kaycee Industries are uniquely positioned as leaders in their respective fields. As a management services organisation, CMS Infosystems is also a leader across varied business lines including Managed Services. Since inception, CMS had a clear vision of leveraging the tremendous power of information technology for improving infrastructure. We imagined a world where industrial companies become service companies, where energy companies become commerce players, government leveraging technology to bring in more efficiency in governance, and urban areas becoming secure and livable.

As a pioneer in traffic, e-governance, broadcasting, energy and security, we have simplified lives of citizens, corporations and businesses, creating our insight and taking more control of the tangible world. Our people form the bedrock of CMS with strong commitment. Our talent model includes strong elements of performance management, leadership development and ongoing skills development. CMS's long track record is also attributed to its enviable client base, unrivalled domain expertise, and strategic partnerships.



ue to simplify lives, leveraging cutting edge innovations in technology.

Our Values

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Quick Facts

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## Big Future: CMS's Roadmap

Increasing integration of the world economy creates discontinuities and powerful forces which throw up various challenges. The world has been characterized by crises that never seem to end. The dotcom bubble of 2000 was followed very quickly by the subprime mortgage crisis, the European currency crisis and a slow down across BRIC countries including India. Similar changes happened across the world as objects, devices, and machines leverage information and participate in the digital world. This is a validation of the future.

### Our View

Our view of the future is positive as the Economy rebounds and investments in infrastructure picks up. Across our business areas like Transportation, Energy, Media, Government is vastly underutilized. Enterprise and the Government is littered with data. Big Data play shifts focus from reporting, dashboards and mining to trending and predictive patterns enabling accurate insights from current data and historical as well as from disparate sources help in better decision making. We are building Big Data as the assets we build.

We see huge synergy between mobility and the Internet of Things. Over decades, we have worked with devices in the field to solve real world issues. Enterprises and Government can deliver great value without complexity at the front end. Mobile devices can connect, interact and deliver information with advances in mobility. CMS's mobile applications add value across industries like Healthcare, Broadcasting, Energy and Government.

The physical world and the IT world are converging as objects, devices, and machines leverage information and participate in the digital world.

Innovation tops our agenda today as it has over the last several decades. Our focus is not to build new products or services but to innovate solutions to further client experience. We continue to invest in Research & Development out of our Trivandrum centre and our Chennai centre. Traffic Controllers, Analytics dashboards, Workforce management products, Biometrics, Traffic solutions like ANPR, Electronic Governance, out of Bangalore continues to support government clients and partners in delivering services. We are at the centre, delivering Citizen services through innovative models as the government and citizens recognize the power of technology as sources of growth. CMS is aligned with the government's mission and continues to play a major role in cultivating the future.

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CMS PARTICIPATES IN TRAFFIC INFRATECH EXPO 2016  
mumbai

"CMS Computers participated in recently held Traffic Infratech expo 2016 at Mumbai in the month of September 2016. The expo was a platform for Traffic management and Traffic management."

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mumbai

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Mumbai

CMS Computers was awarded as Digital Enterprise of the year for successfully implementing and running "Punjab La

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Welcome to CMS Computers!

The world in which we live is changing rapidly. Business dynamics are changing by the month. New companies are created and thrived through 43 such years of change. The only constant has been innovation and a strong focus on client experience.

Early in our life, we defined our mission as Simplifying Lives. Our journey through the last few decades has been just a continuous evolution of eillance solutions to make our cities and corporations secure, electronic governance services to empower right down to the environment through energy management or harnessing the power of digital and new media to make our world more technologically simplifying lives.

The world is changing and CMS is responding by staying ahead of the curve. We are responding by increasing the range of services and offering which deliver superior client experience. In an industry characterized by a relentless pace of innovation, continuous anticipation and strong belief in our people.

We will offer stimulating development opportunities to attract and retain top talent. From being a company with few offerings in depth in our offerings and breadth through multiple markets. This opens up a world of opportunity for professional growth.

We will continue to innovate, trail blaze, work with cutting edge technologies and stay ahead of the curve. Our business is growing and we are MS.

I sure wouldn't want to miss out as we make the future - would you?

What are you waiting for? Join us for a great career!

Search your job

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Database & Data Warehousing  
EMS/ Smart Meter  
ERP/CRM  
Finance & Accounts  
Human Resource  
Internal Audit  
IT/Project Operation  
Marketing  
Mobile Application  
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R & D  
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Security Systems  
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Service/Project Delivery  
Software Development  
Testing & QA

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**Nurturing Work Environment**

At CMS, we aim to create a lively environment and seamless opportunities for our people — where everyone aspires to be at the forefront of innovation.

**Develop and Grow :** We strongly believe that our people are biggest assets for the organisation and their development. To keep employees abreast with industry trends and technologies, we help them learn new skills and enhance their expertise with our expert professionals. We always strive to gain a better understanding of the employees' needs and responds with solutions and operations.

**Seamless Opportunities and Openness :** We strongly believe everyone, irrespective of location, department, business unit, is a part of the organisation's growth. Therefore, we intend to give key responsibilities to our employees, inculcating leadership qualities. As CMS Computers is poised to undergo a major transformation and plunge into new avenues of technologies, we promise to provide a platform for everyone to love to explore.

**CMS Culture & Values**

Integrity and transparency are and will always be the core values of CMS Computers. We focus on communicating with our employees in a transparent way. CMS supports culture of trust and collaboration, flexibility and diversity, encouraging employees to share knowledge and experiences.

out the very best in others and allows you to flourish both as a professional and as an individual .

When we recruit, we look for people who will enjoy our culture, feel at home and thrive on the opportunities it offers.

**Career Advancement/Progression**

At CMS we have developed various programs and opportunities that help our employees manage their careers effectively.

**Training and Development :** CMS lays a great deal of emphasis on skill development and personal wellbeing of its employees — with an objective to help employees enhance their performance and improve their quality of life. We have a separate department for training and development. From technical know-how to sales to operations and finance, our training sessions encompass various areas. Hands-on and self-help workshops are meant to give a holistic approach to the overall development of employees. To induce leadership, we encourage employees to take up new roles and responsibilities as per their given interests and expertise. We also have a unique program for new hires to understand the organization better.

**Performance management :** We provide employees with tools and resources necessary to develop and manage their performance. We have a robust system of feedback from management and support for mentoring programs.

We go to great lengths throughout the year to ensure a meritocratic and unbiased system of rating and promoting employees. We provide constructive and timely feedback on how they are performing. We combine multiple sources of measurement, including self-assessment, peer review, and manager feedback, to get a well-rounded view of their performance.

**What we look for**

**Integrity and Trust** — Team members who "do the right thing" and have courage to speak up

**Intellectual Capacity** — Openness to learning, understanding and solving problems

**Drive for Results** — Team members with a "can do" spirit

**Adaptable** — Team members who respond and adjust

**At CMS you can expect to**

Feel empowered to take decisions

Be responsible to deliver what is committed within Turn Around Times

Work with integrity and honesty

Take every opportunity to learn and improve your professional skills

Be rewarded for remarkable performance

Flourish in a diverse, cross-cultural environment

Do what you enjoy, and enjoy what you do

Grow and progress

**Diversity & Inclusion**

CMS supports the culture of collaboration and meritocracy, where employees have plenty of opportunities to show their talent and contribute to the organization's success.

We are striving to make our workplaces more diverse and inclusive, as we strongly believe that a multicultural workforce is essential for innovation and growth.

To create a true diverse ecosystem, we promote cultural awareness by organizing cultural festivals and outbound activities. We also have a separate arm for corporate social responsibility, wherein we primarily focus on three areas: health, education, and environment.

CMS also has a separate arm for corporate social responsibility, wherein we primarily focus on three areas: health, education, and environment. We support government organizations to raise funds for child and women welfare. Besides financial aid, we also encourage employees to volunteer and contribute to social causes.

Our ultimate goal is to make our ecosystem more agile, tolerant, and most importantly, socially cohesive. With a diverse workforce, we can leverage innovative ideas coming from people with varied skills, experiences, ethnicities and social backgrounds. We're committed to ensure

Talented individuals from different backgrounds are recruited.

Individuals are shown respect and treated fairly.

Employees don't face any kind of discrimination and harassment at the workplace.

We remain accountable and committed to our social responsibilities.

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Current Job Openings

Database Administrator

Position / Level : MySQL DBA

Work location : Jaipur

Qualification : Any Graduate

Notice period : 30 days or less

Relevant experience : 3 years

#### Job Description

3 years experience in MySQL

Experience with backups, restores and recovery models

Knowledge of Performance Tuning and Optimization

Knowledge of High Availability (HA) and Disaster Recovery (DR)

Ability to work independently and work in a rapidly changing environment

Ability to multi-task and switch effectively between different activities and teams

#### Required Skills:

MySQL DBA experience with experience of back-ups and replications

#### Account Manager - IT Solution Sales

Job Title : Account Manager - IT Solution Sales

Experience : Minimum 8-12 years of IT Solution Sales experience.

Education : BE / B. Tech / MBA

Location : Delhi / Kolkata / Chennai.

Requirement Type : Full Time.

## Job Description

Account Manager is responsible for the maximization of division Account penetration and profitable growth of def Government Entities / Public Sector Units)

Define process and plan to closure for large projects

Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment

Support to develop and executes the agreed customer strategy

Support the account business targets and is responsible for the achievement of the target

Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decision-makers and forms the communication hub.

Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/

Establishes him/herself as the point of contact for escalations.

Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concerned

Develop and execute the agreed customer strategy in order to increase the business with the customer long term

Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Com

## Assistant Manager

Job Title - Assistant Manager.

Location - Sion.

Education - BE / B.Tech / M.Tech / MCA / MS / M.SC - specialization in Electrical / Electronics.

Course / Certification - Project Management.

Experience: 5 - 6 years

Notice period - Immediate to 30 days.

Behavioral skills:

Communication skills  
Team leading

## Role & Responsibilities:

The desired candidate will be responsible for Managing AMC Contracts in Road Traffic Signaling.  
Works under the direction of a senior project manager on large, complex project but may be expected to manage  
Prepare Plans / Specifications / Estimates for Traffic Signaling Project.  
Manage the Field Teams.  
Material Projection.  
Maintain the Project margin.  
Vendor Management.  
Traffic signal system.  
Programming of traffic signal.  
Installation and commissioning of Count down timer.  
Traffview application.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Assistant Manager - Mumbai" in the subject line.

UX designer

Position name - UX designer

Exp - 2-3 yrs

Location - Mumbai/Bangalore

JD -

Proven experience as a UX and UI Designer  
Strong portfolio of designing intuitive, user-friendly software  
Familiarity with interaction design and information architecture  
Translate concepts into user flows, wireframes, mockups and prototypes that lead to intuitive user experiences.  
Proficient in HTML/CSS, JavaScript and design softwares (e.g. UXPin, Balsamiq)  
Knowledge of human-computer interaction (HCI) element of website designs  
Experience of developing and maintaining design wireframes and creative visual design to incorporate a unique brand  
Knowledge of Content management system and website design  
Creative enough to develop easy-to-use user interfaces with minimum of clicks, maximum select options and provide  
Ability to think creatively and have an artistic eye for design  
Create personas through user research and data  
Communicate design ideas and prototypes to developers  
Keep abreast of similar applications and industry trends  
Facilitate the application vision by researching, conceiving, sketching, prototyping and user-testing experiences for

## Technical Lead - DotNet

Position - Technical Lead - DotNet

Exp - 8+ yrs

Location - Hyderabad

Education - BE/Btech/MCA

### Required Skills:

8- 10 years' experience in developing Large Web based Application, Mobile Application, Database and Security Arch

Hands on exposure to .NET based technologies .NET 3.0, 4.0, 4.5, ASP.Net, C#.Net, MVC 4/5

Experience in Web API, SOA concepts with WCF, WPF or Service Stack, Javascript, JQuery

Database - MySQL

SVN /TFS for configuration management

Behavioral skills: Communication skills/ team leading

## Dot net developer

Job Title: Dot net developer.

Job location: Hyderabad.

Experience: 3 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc - in IT / Computers / Electronics.

Notice Period : Immediate.

### Skills Required:

Asp.net, C#, Sql server.

MVC, Web Api.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Dot Net Developer - Hyderabad" in the subject line.

Sr. Project Engineer

Job Title - Sr. Project Engineer

Work Location - Visakhapatnam

Education - Diploma / BE / B.Tech / M.Tech / MCA / MS / M.Sc.

Total Experience - 3 years

Notice Period - 30 days

Skills:

- 1 - Expertise in Installation & Testing, commissioning, smart city , CCTV, Networking, Traffic Signal, UPS, Server & Storage
- 2 - End to End project delivery
- 3 - Installations & Testing Commissioning
- 4 - Client & Vendor management.

Do mention about your experience / knowledge on smart city and signals in your CV.

Kindly send your updated resume on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in).

Please mention "Sr Project Engineer - Vizag" in the subject line while applying.

Java Developer



Job title - Java Developer.

Experience - 5 years (post-qualification).

Education - BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Certification - Java (Mandatory).

Location - Jaipur.

Job Description:

Should have experience in developing Web based IT applications on JAVA and J2EE Platform.

Should be proficient in using web technologies like XML / HTML / DHTML / HTML5 / JavaScript / JQuery / AJAX / Spr

Should have sound knowledge of developing applications using RDBMS: MySQL.

Should have sound knowledge of Middleware: Glass fish.

Should have experience in Agile Software Development.

Should have a good understanding of managing IT security related issues while developing software.

Knowledge on GIT , CI/CD , Gradle , Mavan will be pulse .

If interested, then kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Java Developer - Jaipur" in the subject line while applying.

Lead Cloud Administrator (Vmware)

Job Title : Lead Cloud Administrator (Vmware)

Experience : 6 years – 10 Yrs

Education : B.E / B.Tech / M.Tech / MCA / MS / M.Sc (Computer / IT / Electronics) / Equivalent or higher from a recogn

Location : Delhi (Near Shashtri Park Metro station)

Requirement Type : Full Time.

Mandatory skill sets:

Active certification of vmware VCP DCV 6 at the time of joining.  
At least 3+ years of relevant experience in handling vmware Virtual data centre.  
Basic knowledge and understanding of the architecture and management of vCloud Director.  
Experience in the deployment and management of ESXi hosts, vCenter server and VMs such as installation of Esx S  
Deployment of vms, and use of clones, snapshots and templates. Management of dc, clusters and templates.  
Configuration of Distributed switches and should have understanding of vlan flow and management of vnics, distr  
Create the data stores for storing vms and data, present /assign LUN to Esx hosts.  
Configure and insights of HA,use DRS, Backups, P2v and v2V conversion.  
Manage Host storage (SAN , NAS , iSCSI).  
Scheduled patching of ESXi servers along with driver and firmware upgrades.  
Experience in Upgrading vCenter server and migration of infrastructure and updating vmtools, vmversion, vmfs and  
Capable of handling network and storage issues in vmware infrastructure.  
Capable of handling Windows and RHEL issues here and when required will be added advantage.

#### Key Responsibilities:

Services for management of Cloud Services and related Server Infrastructure to maintain performance at optimal level.

Duty Timings : Duty in shift basis, 6 days a week (including public/national holidays)

#### Installation & configuration

Will work for at least one of the following cloud technology:

##### VMware Technology

Should be capable in setting up Cloud Service environment using state-of-art technology VMware with installation & configuration of vCenter, Virtual Cloud director/vRA and related s/w) Clustering over SAN/NAS Storage environment. Ensure proper configuration and tuning and security hardening.

Should be capable in setting up of Cloud infrastructure with self-service-provisioning and monitoring services using replication mechanism (at local/remote site) using tool like VMware SRM /V-sphere replication etc.

Should be capable in writing Shell script, Perl/PHP script for batch programming & system monitoring. Setting up monitoring tools.

##### Open Source Technology

Should be capable in setting up Cloud Service environment using Open Source technology with installation & configuration of OpenStack, Kubernetes, etc. Clustering over SAN/NAS Storage environment. Ensure proper configuration of virtualization for hosting multiple VMs.

Should be capable in setting up of Cloud infrastructure with self-service-provisioning and monitoring services using replication mechanism (at local/remote site) using any open source software/tools etc.

Should be capable in writing Shell script, Perl/PHP script for batch programming & system monitoring. Setting up monitoring tools.

#### Administration & Trouble Shooting

Responsible for Operating system administration, including:

Management of users, processes

Resource contention

Preventive maintenance and management of upgrades including migration to higher versions and patches to existing systems.

Proactive & Preventive measures against any crash/failures of Services/Servers.

Regularly monitor, maintain, analysis system logs of the performance monitoring of servers including but not limited to CPU, memory, disk I/O, network, etc. Ensure that the bottlenecks in the infrastructure are identified and fine-tuning is done for optimal performance.

## Routine Task

- Allocation of fresh or additional compute/ storage space /network for any Cloud user.
- Management & creation of user accounts, applying proper access control for using any Server resource / service.
- Configuring, debugging & trouble shooting of cloud services running on Cloud infrastructure.
- System log rotation. Monitoring & managing of VM/host security at infrastructure level.
- Maintaining/updating the documents on process/procedures/user-manuals etc. related to the activities involved.

Lead Cloud Administrator should not only be able to perform all above work/task independently without any help from the tasks/work.

## Skills/Expertise:

- RHCE certifications / equivalent certification in Cloud /Virtualization System Administration
- Experience of installation, configuration, Management and Monitoring of Cloud Services for VMware/ Open-Source.
- Experience of installation, configuration, Management and Monitoring of high availability solutions like clustering (redundancy).
- Experience of administration and management of Linux based Servers
- Knowledge of IIS/Apache/Tomcat Web Server for successful running & managing the various Services like Web/Database.
- Databases like Mysql/MariaDB/Postgresql / Oracle etc. connectivity for applications running on Web/App servers.

## Business Analyst (Energy Management)

Role: Business Analyst (Energy Management)

Relevant Experience: 3 - 4 Years

Qualifications: BE / B.Tech / M.Tech - Specialization in Electrical or Electronics from a recognized university.

Location : Bhandup (West) Mumbai.

Experience: Prior working experience in Energy Management System projects.

## Job Description:

- Solution consulting, to liaise with clients in understanding the business and providing solutions for increasing efficiency.
- On boarding new accounts responsible for defining the requirements and the process to implementation.
- Identify training areas for the resources. Conduct technology, process and platform training.

Technical point of contact for clients and internal teams.  
Collaboratively work with product teams in defining requirements for building energy management solutions.  
Assist in diagnosis of problems on different ad serving platforms.  
Finalizing SRS (Software requirement Specification) with client and create documentation according to the requirements.  
Maintain project execution tracker for project for progress update.

#### Key Skills:

Effort Estimation and Proposal Development, As Is Assessment , Solution Evaluation and Recommendation, Configuration management, Incident/Problem Resolution, Documentation and visualization.

### Database Administrator

Designation : Database Administrator.

Position / Level : MySQL DBA.

Work location : Jaipur / Delhi / Hyderabad / Bangalore.

Qualification : BE / B. Tech / MCA / MS / M.Sc / MCA / M.Tech.

Notice period : Immediate to 30 days.

Experience : 5 years.

#### Job Description:

5 years experience in MySQL.  
Experience as a DBA for managing MySQL RDBMS.  
Experience with XML, SQL, Javascript.  
Experience in data modelling, logical and physical DB design.  
Strong object oriented design, Relational DB design, and XML design is required.  
Working knowledge of operating systems internal (Shell scripting monitoring, debugging) in Linux environment is required.  
Experience with backups, restores and recovery models.  
Knowledge of Performance Tuning and Optimization.  
Knowledge of High Availability (HA) and Disaster Recovery (DR).  
Ability to work independently and work in a rapidly changing environment.  
Ability to multi-task and switch effectively between different activities and teams.  
MySQL DBA experience with experience of back-ups and replications.

Certification : MySQL certification is essential.

## PostgreSQL DBA

Designation - PostgreSQL DBA

Location - Chennai

Qualification - BE / B.Tech / M.Tech / MS / M.Sc / MCA

Notice Period - Immediate.

Relevant Experience - 2.5 Yrs

Any Other Information - A qualified 2+ years senior DBA having knowledge and ability to perform all of the basic database operations, physical structure, SQL and SQL applications, and overall architecture and database analysis.

Required Technical Skills:

RDBMS: PostgreSQL from 8.4.x to 9.5.x, Oracle 10g

Languages: Shell scripting, PL/PGSQL

Operating Systems: Linux, Unix, Windows

Replications: Binary and Object level replications

Backups: Logical and Physical backups

High Availability: Warm Standby, Hot standby, Streaming replication, Cascade replication, Synchronous replication etc.

### Job Description

- Install, configure, test, monitor, upgrade, and tune new and existing PostgreSQL databases.
- Develop SQL reports that meet client expectations for the application (used by custom application).
- Tuning auto vacuum parameters to ensure up to date table stats and reclaim space consumed by dead tuples.

- Contributed to decreasing need for downtime by developing and improving procedures for automated monitoring.
- Studied and stayed current on features and functionality of PostgreSQL.
- Proactive managing standby replication methodologies like Streaming replication and hot standby for disaster recovery.
- Scheduling daily Point in time recovery (PITR) to the development environment for proper product testing.
- Proactive in updating the latest security patches to database, which are provided by PostgreSQL open source community.
- Ability to proactively identify, troubleshoot and resolve live database systems issues.
- Knowledge of disaster recovery principles and practices, including planning, testing, backup/restore.
- Hands-on experience on database administration, backup recovery and troubleshooting in co-location environment.
- Ability to thrive in a fast-paced, deadline-sensitive environment.
- Responsible for configuring, integrating, and maintaining all Development, QA, Staging and Production PostgreSQL databases.
- Responsible for all backup, recovery, and upgrading of all of the PostgreSQL databases.
- Experience in code migration, database change management through various stages of development life cycle.
- Providing response for all system / database issues on 24 x 7 schedule responding to critical events and situations.
- Installing and monitoring PostgreSQL database using the standard monitoring tools like Nagios / relevant tools.
- Monitoring the DB growth for every month in DWH databases and planning to implement the table partitioning for better performance.
- Monitoring the bloat report on every table and performing maintenance with minimal downtime.
- Performing minor and major level upgrades using minimal down by prior testing in test boxes with accurate time.
- Installing and Configuring PostgreSQL from source or packages on Linux machines.
- Experience designing database structures, indexes, views, partitioning.
- Implementing backup and recovery (Logical and Online).
- Setup and maintenance of postgres master-slave clusters utilizing streaming replication.
- Cross-datacenter disaster recovery and backup architecture.
- Performing schema management, database sizing, maintaining privileges.
- Data migration while upgrading database versions.
- Extensive experience with Warm Standby (PostgreSQL 8.x and earlier), and Hot Standby (PostgreSQL 9.x and greater).
- Scheduled maintenance activities to vacuum, analyze to improve the query response time.
- Maintaining custom vacuum strategies at table and db level.
- Query optimization and troubleshooting.

Service coordinator / Service Engineer

Job Title - Service coordinator / Service Engineer

Experience - 3 years

Job Location - Chennai

Qualification - Diploma / BE / B.Tech / MCA / M.Tech / MS / M.Sc

Job Description:

The candidate should have experience in :

- Project planning.
- Invoice creation.
- MIS preparation.
- Customer / Client follow up.
- Material tracking.
- Field engineer co-ordination.
- AR Follow up.
- Knowledge on CCTV, electronics.
- Good computer skills / technical skills.
- Comfortable with client visits.

Notice Period / Joining - Immediate to 30 days

Sr. Dot net developer

Job Title: Sr. Dot net developer.

Experience: 7 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Location: Jaipur.

Notice Period - Immediate to 30 days.

Job description:

Should have experience in developing Web based IT applications using Dot Net.  
Should have experience of .NET 4.0 or above.  
Experience in architecting software solution.  
Should be proficient in using web technologies like HTML / JavaScript / JQuery , etc.  
Should have sound knowledge of developing applications using RDBMS.  
Asp.net , C# , SQL Server.

If interested, then kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr. Dot net developer - Jaipur" in the subject line while applying.

MySQL Database Administrator.

Designation: MySQL Database Administrator.

Work location : Jaipur / Delhi / Hyderabad.

Qualification : BE / B. Tech / MCA / MS / M.Sc / M.Tech.

Certification: MySQL (Mandatory)

Notice period - Immediate to 30 days.

Experience : 5 years.

Job Description:



Experience as a DBA for managing MySQL RDBMS.  
Experience with XML, SQL, Javascript.  
Experience in data modelling, logical and physical DB design.  
Strong object oriented design, Relational DB design, and XML design is required.  
Working knowledge of operating systems internal (Shell scripting monitoring, debugging) in Linux environment is required.  
Experience with backups, restores and recovery models.  
Knowledge of Performance Tuning and Optimization.  
Knowledge of High Availability (HA) and Disaster Recovery (DR).  
Ability to work independently and work in a rapidly changing environment.  
Ability to multi-task and switch effectively between different activities and teams.  
MySQL DBA experience with experience of back-ups and replications.

Interested candidates may send their updated resume and relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "MySQL Database Administrator" in the subject line while applying.

#### Sr Software Developer

Job Title: Sr Software Developer.  
Experience: 5 years.

Education: MCA.

Location: Delhi

No of openings: 8

Job Description:

- Development of Android and iOS mobile applications.
- Knowledge of cross platforms such as Cordova and Flutter.
- Consultancy and training on mobile application development
- Preparation of training documents and practical sessions support.
- Development support to other Centres pan India.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr Software Developer - Delhi" in the subject line while applying.

## Software Developer

Job Title: Software Developer.

Experience: 2 years.

Education: MCA.

Location: Delhi

No of openings: 6 positions.

Job Description:

- UI Design for mobile applications.
- Development of Android and iOS mobile applications.
- Knowledge of cross platforms such as Cordova and Flutter.

Kindly send your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in).  
Please mention "Software Developer - Delhi" in the subject line while applying.

## Senior Developer

Job Title: Senior Developer  
Experience: 5 years.

Education: MCA.

Location: Thiruvananthapuram, Kerala.

Working days : 6.

### Job Description:

Development of Android and iOS mobile applications.  
Knowledge of cross platforms such as Cordova and Flutter.  
Consultancy and training on mobile application development.  
Preparation of training documents and practical sessions support.  
Development support to other Centres pan India.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Senior Developer - Thiruvananthapuram" in the subject line while applying.

## Mobile Application Developer

Job Title: Mobile Application Developer.  
Experience: 2 years.

Education: MCA.

Location: Thiruvananthapuram, Kerala.

Working days : 6.

Job Description:

Development of Android and iOS mobile applications.  
Knowledge of cross platforms such as Cordova and Flutter.  
Consultancy and training on mobile application development.  
Preparation of training documents and practical sessions support.  
Development support to other Centres pan India.

Kindly reply with your updated resume & relevant details at the earliest on priyanka\_das@cms.co.in

Please mention "Mobile Application Developer - Thiruvananthapuram" in the subject line while applying.

Senior GIS Developer

Job Title : Senior GIS Developer.

Education : BE / B.Tech / M.Tech / MCA / M.Sc - Computers / IT / Electronics / Systems.

Experience : 3 years

Work location : Delhi.

Job description :

Experience on Arcgis Javascript API version 3.x and 4.x  
Good GIS programming knowledge on ArcGIS Server of ESRI and open source GIS programming.  
Knowledge in Dot Net, JavaScript.  
Java programming will have added advantage.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention " Sr GIS Developer" in the subject line while applying.

### Sr. Test Engineer / Sr Quality Assurance

Job Title - Sr. Test Engineer / Sr Quality Assurance.

Experience - 3 years.

Education - BE / B.Tech / MCA / M.Tech / MS / M.Sc - IT / Computers / Electronics / Systems.

Certification - ISTQB.

Working Days - 6.

Notice Period : Immediate.

Work Location - CGO Complex, Lodhi Road, Delhi.

#### Job Description:

Software Testing experience on both Manual and Automation Testing.

Quality Control & Assurance- Reviewing requirements, specifications and technical design documents.

Designing testing scenarios.

Testing Experience on Selenium Tool.

SRS Document.

Kindly reply with your updated resume & relevant details at the earliest on ankita\_bhosle@cms.co.in

Please mention "Sr. Quality Assurance and Test Engineer - Delhi" in the subject line while applying.

### Help Desk - Technical Support

Job Title : Help Desk - Technical Support. :

Education : BE / B.Tech / M.Tech / MCA / MS / M.Sc - in Computers / IT / Electronics / Systems.

Certification: MCSA / RHCA / Any equivalent certificate.

Working days - 6.

Shifts - Rotational.

Work Location : Pune

Experience :1 to 3 years.

Key Responsibilities :

The help desk service will serve for all ICT related incidents and service requests.

The service will provide a Single Point of Contact (SPOC) and also resolution of all the incidents with root cause analysis.

The team should have adequate knowledge to resolve basic problems on their own.

If a person or team is not able to resolve the problem within stipulated time frame then needs to escalate accordingly.

This helpdesk system should align with ITIL based incident and problem management applications.

The Help Desk shall undertake the following activities:

Log issues / complaints related to ICT infrastructure at the Data Centre under the scope of work and issue an ID number.  
Assign severity level to each issue / complaint so as to maintain categorization and differentiate the criticality of the complaint levels.

Track each issue / complaint to resolution.

Provide feedback to the callers.

Analyze the issue / complaint statistics.

Escalate the problems to the 3rd party Vendors / concerned Service in-charge if necessary as per defined escalation matrix.

Skills/Expertise:

Knowledge of operating systems i.e. Windows (all server versions), Red Hat Linux and Red Hat Advance Server etc.  
Knowledge of clustering technology (Linux & Windows),  
basic knowledge of backup operations.  
Knowledge of Networking protocols such as FTP, HTTP, HTTPS, SSH, DNS etc.  
Work experience on CA Service-desk.  
Should have good communication skills.  
Handling L1 / L2 level escalations on windows and linux servers.  
L2 desktop engineer.  
L1 Server troubleshooting.  
Experience on ticketing tool.  
Group policy, hardware, networking, firewall, trunk and access port.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Help Desk - Technical Support - Pune" in the subject line while applying.

Liferay Developer

Job Title: Liferay Developer

Experience: 4 years

Education: BE / B.Tech / BCA / B.Sc / ME / M.Tech / MCA / M.Sc - IT / Computers / Systems / Electronics.

Location: Bangalore

Notice Period: Immediate to 30 days.

Mandatory Skills: Liferay, Java

Job Description:

Setting-up Clustered Liferay Portal environment.  
Installation and configuration of Liferay on Tomcat and JBOSS.

Securing Liferay servers (Enable audit logging, assign correct roles to users).  
Customizing and using Liferay out-of-Box portlets.

**Required Skills:**

3 years of experience in the area of Software Analysis, development, Maintenance and Support.

Almost 3+ years of hands on Liferay development experience including experience in design and development of Liferay external Plugins.

2+ years of JAVA/J2EE and Liferay / Java design patterns is desirable.

Strong Knowledge in J2EE, RDBMS, MVC Frameworks, ORM Tools, Web Servers, Web.

Experience on LDAP and Liferay auto login process.

Strong knowledge on SOAP and Restful web services and Configuring WS-Security.

Kindly reply with your updated resume & relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)



Sr. Dot net developer

Job Title: Sr. Dot net developer.

Experience: 7 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc.

Location: Jaipur.

Notice Period - Immediate to 30 days.

Job description:

Should have experience in developing Web based IT applications using Dot Net.

Should have experience of .NET 4.0 or above.

Experience in architecting software solution.

Should be proficient in using web technologies like HTML / JavaScript / JQuery , etc.

Should have sound knowledge of developing applications using RDBMS.

Asp.net , C# , SQL Server.

If interested, then kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

Please mention "Sr. Dot net developer - Jaipur" in the subject line while applying.

Dot net developer

Job Title: Dot net developer.

Job location: Hyderabad.

Experience: 3 years.

Education: BE / B.Tech / MCA / M.Tech / MS / M.Sc - in IT / Computers / Electronics.

Notice Period : Immediate.

Skills Required:

Asp.net, C#, Sql server.

MVC, Web Api.

Kindly send your updated resume and relevant details at the earliest on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

While applying please mention "Dot Net Developer - Hyderabad" in the subject line.

Tomcat Administrator.

Job Title: Tomcat Administrator.

Experience: 3+ years.

Education: B.Sc / BCA / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Kasturba Road, Bangalore.

Notice Period: Immediate.

Job Description:

Experience in installing & configuring Linux OS and Tomcat Application Server is essential.  
Expertise in troubleshooting and resolving issues related to server and software is required.  
Should understand Kannada language.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "Tomcat Administrator - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

## PostgreSQL Administrator

Job Title: PostgreSQL Administrator

Experience: 3+ years.

Education: B.Sc / BCA / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Kasturba Road, Bangalore.

Notice Period: Immediate.

Job Description:

Experience in installation, configuration and monitoring PostgreSQL database.

Expertise in backup and recovery processes, system and SQL performance tuning and assist in extracting the data from the database.  
Should understand Kannada language.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for a change.

While applying, please mention "PostgreSQL Administrator - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

PHP Developer

Job title: PHP Developer

Experience: 2 years

Qualification: Any Graduation / Any Post-Graduation.

Location: Bangalore

Notice period - Immediate

Mandatory Skills:

Cake PHP, PHP Development.

Required skills :

Strong knowledge on CMS framework , CakePHP , wordpress , Laravel, MySQL , Payment Gateway API , PHP web development.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "PHP Developer - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

### Business Analyst

Job Title: Business Analyst

Location: Bangalore

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc / MBA - Computers / IT / Systems / Electronics.

Experience: 3 years

Notice Period: Immediate to 30 days

Job Description:

Requirement analysis.

Requirement gathering.

Client visits.

Good communication skills.

Must be fluent with Kannada language (read , write, speak, understand) - Mandatory.

Experience in handling government clients.

Kindly share your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) at the earliest if you are looking for

While applying, please mention "Business Analyst - Bangalore" in the subject line.

## Mysql Developer

Job Title: Mysql Developer

Experience: 1 year.

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Jaipur, Rajasthan.

Notice Period : Immediate to 30 days.

JD:

Mysql Development

Candidates will less experience or less exposure on mysql development can also apply as training will be provided i

Kindly revert with your updated resume & relevant details if you are looking for an opportunity.

Please suggest some references if you are not looking for change.

While applying, kindly mention "Mysql Developer - Jaipur " in the subject line.

## Technical Support Engineer Cloud

Job Title: Technical Support Engineer Cloud

Location: Delhi & Hyderabad

Education: BE / B.Tech / ME / M.Tech / MCA / M.Sc (CS/IT)

Experience: 0-3 years

Notice Period: Immediate

Job Description:

B.E./B.Tech (Computer/IT/Electronics) / MCA/ M.Sc. Computer Science / Equivalent or higher from a recognized university  
3. Experience – Any IT experience is desirable 4. Basic Knowledge of Cloud Computing/Web hosting/In  
ws / Linux etc 6. Basic Knowledge of Networking protocols such as TCP/IP, FTP, HTTP, HTTPS, SSH, RDP etc

Kindly share your updated resume & relevant details on [nandkishor\\_kadam@cms.co.in](mailto:nandkishor_kadam@cms.co.in) at the earliest if you are looking

While applying, please mention "Technical Support- Cloud " in the subject line.

## Dot Net Web Developer.

Job Title: Dot Net Web Developer.

Location: Bangalore

Experience: 5 years

Education: B.Sc / BCA / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice Period: Immediate

Job Description:

Web Application Developer.

Bachelor's degree in Computer Science, or similar.

5 years of proven experience as a Web application developer using .NET Technologies.

Should have worked on ASP.NET framework, SQL Server and design/architectural patterns (e.S. Model-View-Controller).

Experience in C#, HTML5, Java Script, JQuery is essential.

Web API development experience is preferred.

Ability to collaborate on projects and work with multiple stakeholders.

Development experience in a Framework based environment is an added advantage.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "Dot Net Web Developer - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

## CCTV Engineer

Job Title: CCTV Engineer

Experience: 0 - 1 year.

Education: Diploma / Degree / ITI.

Notice Period: Immediate.



Location: Port Blair, Andaman.

Job Description:

Should have knowledge of Basic Electronics, Windows O. S. and CCTV Surveillance system.  
Maintenance of CCTV systems & sending weekly reports to Office.  
Good Communication Skills.  
Should be comfortable with client visit and field work in their regions.  
Should be able to provide Customer Support on Field.

Interested candidates can send their updated resume and relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

## Android Developer

Job Title: Android Developer

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 2+ years.

Location: Bangalore (Arogya Soudha, Magadi Road).

Notice Period: Immediate.

Job Description:

Android Application Development.  
Microsoft Certified Developers preferred.  
Relevant experience in one or more e-Governance Projects is preferred.  
Local database (sqlite, roam), designing, api connecting, google maps, offline application.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

## OEM Manager

Designation - OEM Manager

Location - Mumbai

Department - BSD – Solutions

Qualification - University degree (or equivalent) in BE, B.Tech, BCA, MCA & Business Administration

Notice Period - Immediate / 15days / 30 days

Relevant Experience - 10-15 years (Relevant partner management experience)

### Candidate Profile

#### IT / IoT Sales Experience

At least one stint in managing relationships with revenue goal licensing technology or building bundles.

Strong verbal, written, analytical, interpersonal and presentation skills

Ability to call high/hold conversation

Any special skills / knowledge essential Good Business Sense and industry expertise

### Key Aspects of the job

Brings in Vendor (not VAD) relationship having worked in Indian companies or MNC's.

Demonstrable experience in Selling, Vendor relationships

Experience building contracts, proposals without too much of support.

Ability to build a business plan and participate in Sales reviews.

Products under OEM (IoT Solutions, Traffic Solutions - TRAFVIEW, Energy Utilities Solutions – SMART METERS)

Support to develop and executes the agreed customer strategy.

Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/M

Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concern

Develop and execute the agreed customer strategy in order to increase the business with the customer long term.

Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Comp

## Key Account Manager Solution Sales - Central Government

Designation - Key Account Manager Solution Sales - Central Government

Location - Delhi

Department - BSD

Qualification - University degree (or equivalent) in BE, B.Tech, BCA & Business Administration

Notice Period - Immediate to 30 days

Relevant Experience - 5-8 years in End to End IT Solutions Sales in IT Infrastructure Domain.

Any Other Information Individual Contributor Role / Willingness to travel extensively

#### Job Description

Key Account Manager is responsible for the maximization of division Account penetration and profitable growth of division and their Subdivisions.)

Define process and plan to closure for large projects

Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment for the account.

Support to develop and executes the agreed customer strategy

Support the account business targets and is responsible for the achievement of the target

Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decision-makers and forms the communication hub.

Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/M

Establishes him/herself as the point of contact for escalations.

Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concerned management.

Develop and execute the agreed customer strategy in order to increase the business with the customer long term.

Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Components.

Excellent Sales and Negotiation skills, Good Business Sense and industry expertise

#### Required Skills:

5 - 8 years of experience in B2B Sales/Corporate Sales/Enterprise Sales in IT Services Sales / IT Solution Sales in IT Infrastructure.

University degree (or equivalent) in BE, BTech, BCA & business administration.

Excellent communication in English and local language

Ready to work as an Individual Contributor and travel across the required region.

#### Key Account Manager Solution Sales– Private/Corporate Business

Designation - Key Account Manager Solution Sales– Private/Corporate Business

Location - Chennai

Department - BSD

Qualification - University degree (or equivalent) in BE, BTech, BCA & Business Administration

Notice Period - Immediate to 30 days

Relevant Experience - 5-8 years in End to End IT Solutions Sales in IT Infrastructure Domain.

Any Other Information Individual Contributor Role/Willingness to travel extensively.

## Job Description

Key Account Manager is responsible for the maximization of division Account penetration and profitable growth of division. Define process and plan to closure for large projects. Additionally he/she acts as the advocate for the customer's interests and shows a personal long-term commitment for the account. Support to develop and executes the agreed customer strategy. Support the account business targets and is responsible for the achievement of the target. Support to develop a strategic partnership and establishes relationships with the appropriate Customer's key decision-makers and forms the communication hub. Builds/maintains sustainable relationships with the appropriate customer's key decision-makers (levels: CEO/CTO/MANAGING DIRECTOR). Establishes him/herself as the point of contact for escalations. Recognizes potential risks with (major) business impact to the account early, and escalates identified risks to concerned management. Develop and execute the agreed customer strategy in order to increase the business with the customer long term. Focuses and pursues strategic business opportunities with the customer by coordinating the activities of CMS Company. Any special skills / knowledge essential Excellent Sales and Negotiation skills, Good Business Sense and industry experience.

## Required Skills:

5 - 8 years of experience in B2B Sales/Corporate Sales/Enterprise Sales in IT Services Sales / IT Solution Sales in IT Infrastructure. University degree (or equivalent) in BE, BTech, BCA & Business Administration. Excellent communication in English and local language. Ready to work as an Individual Contributor and travel across the required region.

Lead - Blockchain

Job title - Lead Blockchain

Education Qualification - B.E./ B.Tech

Location - Bangalore

8-10 years of industry experience  
2-3 years of experience as project manager or pre-sales manager  
Implementation of at-least one blockchain project from inception to go-live  
Good communication skills and experience in making client presentation articulating solution

## Delivery Lead: Data Science

Job Title - Delivery Lead: Data Science  
Education Qualification - B.E./ B.Tech  
Location - Bangalore

6-8 years of industry experience  
5-6 years of experience in implementing data management solution (ETL, Analytics, Machine Learning, Reports)  
Technical hands-on experience of programming, SQL Queries and data science  
Good communication and inter-personal skills

## Presales Lead

Job title - Presales Lead  
Experience - 8 to 10 years  
Education qualification - MBA preferred  
Location - Bangalore

### Key Responsibilities:

Drive and manage pursuits with strong collaboration with the sales community  
Bid management in the area of software proposals  
Play a key role in winning pursuits  
Participate in end-to-end bid management of medium/ large deals  
Identify value drivers fitting with client and opportunity situation, develop value messaging and positioning based on value drivers/targeted units/ phasing/resources (including use of partners).  
Participate in shaping deals, orchestrating winning

### Skills/Expertise:

Good experience in bid management, sales support and solution's  
Should have experience in proposal writing and client communication  
Experience in preparing and tracking the bid status  
Knowledge of pricing and quotes.  
Good in creation of co-lateral / presentations / proposals for customer engagement  
Skilled in making client presentation and demo  
Experience in development of reusable assets and case studies repository

### System Administrator

Job Title: System Administrator

Experience: Fresher

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Location: Jaipur, Rajasthan.

Joining: Immediate

Interested candidates can share their updated resumes on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) by mentioning "System Admin

### Sr Java Developer

Job title - Sr Java Developer.

Relevant Experience - 5 years

Education - BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / Electronics / IT / Systems.

Certification - Java

Location - Jaipur, Rajasthan.

Notice Period - Immediate

Job Description:

Should have experience in developing Web based IT applications on JAVA and J2EE Platform

Should be proficient in using web technologies like XML / HTML / DHTML / HTML5 / JavaScript / JQuery / AJAX / Spring

Should have sound knowledge of developing applications using RDBMS: MySQL

Should have sound knowledge of Middleware: Glass fish

Should have experience in Agile Software Development

Should have a good understanding of managing IT security related issues while developing software.

Knowledge on GIT , CI/CD , Gradle , Maven will be pulse .

Kindly revert with your updated resume & relevant details on ankita\_bhosle@cms.co.in if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "Java Developer - Jaipur" in the subject line.

Service Desk Executive

Job Title: Service Desk Executive

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc

Experience: 3 years

Location: Bangalore

Notice Period: Immediate

Job Description:

- Fluency in English and Kannada (Read, write, speak, understand)
- Prior experience of at least 1 year working in Help Desk on outbound and inbound calls, answering queries.
- Opportunity for one service desk executive with a minimum of 5 years experience in handling service desk operations
- Knowledge and prior experience in working on specific computing applications proposed for Help Desk

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

### RIM Engineer End User ( Remote Infrastructure Management Engineer )

Job Title: RIM Engineer End User ( Remote Infrastructure Management Engineer )

Education: BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc

Location: Bangalore

Experience: 4 years

Notice Period: Immediate

Job Description:

L2 level experience in Windows XP/ 7 for at least 4 years

Basic experience in networking and standard client applications such as M S Office, Antivirus, Client manager etc.

Experience in handling remote support

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

### MySQL DBA



Job Title: MySQL DBA

Location: Jaipur, Rajasthan

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice period - Immediate

Experience - 3 years

#### Job Description

3 years experience in MySQL

Experience with backups, restores and recovery models

Knowledge of Performance Tuning and Optimization

Knowledge of High Availability (HA) and Disaster Recovery (DR)

Ability to work independently and work in a rapidly changing environment

Ability to multi-task and switch effectively between different activities and teams

MySQL DBA experience with experience of back-ups and replications

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "MySQL DBA - Jaipur" in the subject line.

Business Analyst

Job Title: Business Analyst

Location: Bangalore

Experience: 3 years

Education: Any Graduate

Joining: Immediate

JD:

Requirement gathering

Requirement analysis

Client visits

Should be fluent with Kannada language (read, write, speak, understand)

Interested candidates can send their updated CVs on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in)

## Android Developer

Job Title: Android Developer

Experience: 2+ years

Location: Mumbai / Jaipur

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Systems / Electronics.

Notice Period: Immediate

JD:

Should have experience in android development and flutter.

Kindly revert with your updated resume & relevant details on ankita\_bhosle@cms.co.in if you are looking for an oppo

Please suggest some references if you are not looking for change.

While applying, kindly mention "Android Developer - Jaipur / Mumbai" in the subject line.

### Assistant Manager - Operations

Job Title: Assistant Manager - Operations.

Location: Bangalore.

Experience: 0 - 1 year.

Education: Any Graduate / Any Post Graduate.

CTC: Will be offered on the basis of interview.

Notice Period: Immediate

No. of openings: 6

Job Description:

To look after operations of large Citizen Service based e-Governance project in Bangalore.  
Operations include quality of Service Delivered to Citizen.  
Monitor the adherence to the SOPs.  
Contribute to define SoPs for new service launched.  
Monitor Citizen Service Center Operations.  
Coordinate with IT team for uptime of IT equipment at Center  
Coordinate with Software team for application issues.  
Monitor housekeeping and Security at centers  
Monitor staff attendance  
Visit centers periodically  
Take citizen feedback and suggest corrective actions.  
Monitor cash management activities  
Coordinate with local authorities wherever required  
Detect the frauds, wrong practices etc and ensure best decorum is maintained in the centers.  
Fluency in Kannada is a must (read, write, speak, understand).

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

### Hardware Executive

Job title: Hardware Executive

Location: Bangalore

Joining: Immediate

Education: Diploma / BCA / B.Sc / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / System

Experience: 2 years

Job Description:

2 years of experience in maintaining desktops, Document Scanners, printers and other infrastructure.

Interested candidates can share their updated resume on [hiring@cms.co.in](mailto:hiring@cms.co.in)

### HR Trainee

Job Title: HR Trainee.

Education: BMS (HR) / MBA (HR)

Requirement Type: 6 months Contract (Extendable depending upon the performance and requirement).

Working Days : Monday to Friday (1st Saturday of every month is working).

Working Hours: 9.30 AM to 6.00 PM.

Joining: Immediate.

Location: Bangalore.

No of openings: 2

Job Description:

Technical / IT recruitment (Software and IT Infrastructure).  
Sourcing through portals and different social media channels.  
Interview scheduling and co-ordination.  
Follow up with the candidate till she / he joins.  
Strong coordination with Talent Acquisition team.  
Good communication skills.  
Should be confident.  
Candidates from near by locations will be preferred.  
Currently working from Office on rotational / alternate days basis.

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity

While applying, kindly mention "HR Trainee - Bangalore" in the subject line

Jr SQL DBA

Job Title: Jr SQL DBA

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc.

Notice Period: Immediate

Experience: 1 year

Location: Bangalore

CTC: Will be offered on the basis of interview.

**Job Description:**

Basic knowledge on RDBMS.  
Must have knowledge on T-SQL.  
Must have knowledge on Backup and restore.  
Basic knowledge on Jobs, indexes and recovery models.  
Must be fluent in Kannada & English (read, write, speak, understand)

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity

While applying, kindly mention "Jr SQL DBA - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

**Remote Development Lead**

We are hiring "Remote Development Lead" with at least 8 years of work experience for Mumbai location.  
Education: Full Time degree in either of discipline -B. Tech / B.E. /MCA / M. Sc.(IT) and ITIL Certified (v3 and above)

**Job Description:**

- To direct the development team in designing, development, coding, testing and debugging on project applications
- Provide technical guidance to the development team and ensure development is carried out as per requirements
- Interface with CBIC for any proposed changes and technical support

**Experience:**

- Total Experience: At least 8 years of experience in large scale IT application implementation and operational support
- Should have more than 2 years of experience of handling IT projects as a Development Lead;
- Must be skilled and experienced in JAVA, J2EE, Oracle DB, MySQL and PostgreSQL

Interested candidates can share their updated resume on [sujata\\_nanhur@cms.co.in](mailto:sujata_nanhur@cms.co.in)

**Remote Support Lead**

We are hiring "Remote Support Lead" with at least 8 years of work experience for Mumbai location.

Education: Full Time degree in either of discipline -B. Tech / B.E. /MCA / M. Sc.(IT) and ITIL Certified (v3 and above)

Job Description :

- Manage central and onsite support teams across multiple ICT locations;
- Ensure timely response to queries and resolutions provided within stipulated SLAs;
- Resolved and pending tickets along with RCA performed. the department;
- Oversee and manage deployment of resources on-site and liaison with officers and trade concerns;
- Manage tickets and provide timely resolution to tickets assigned to each ICT location or central support team;

Experience:

- At least 8 years of experience in large scale IT application implementation and operational support.
- Should have more than 2 years of experience of handling IT projects as a Support Lead d.
- Must be skilled and experienced in Oracle DB, MySQL and PostgreSQL.
- e. Must have experience of any project management software

Interested candidates can share their updated resume on sujata\_nanhur@cms.co.in

Oracle IDAM

Immediate hiring #Oracle IDAM with 3 years of experience for our Mumbai location.

Education: Full-Time degree in either of discipline- B. Tech / B.E. /MCA /M. Tech/M. Sc.(IT)

Job Description:

Responsible to support the Development lead and Project manager to deliver task as per project requirements; .

Liaison with stakeholders for requirements and other team members to ensure delivery within agreed timelines;

The technology experience for the profile should be relevant as per the technology used in Project. For example, database technology

Liaison and coordinate with SI team for infrastructure component and associated tasks

Interested candidates can email their updated CV's to sujata\_nanhur@cms.co.in

Expert with Six Sigma black belt certified

We are hiring "Expert with Six Sigma black belt certified" with more than 10 years of work experience for Mumbai location.  
Education : Full Time Masters degree in either of discipline - MCA /M. Tech/ M. Sc. (IT)/ MBA, Lean Six Sigma Black Belt  
Job Description :

- Overall responsible for continuous improvements in processes defined for Project application and other related
  - Provide matrices to define service improvements in Project business processes and identify areas of improvement
  - Perform process re-engineering from technology perspective and suggest business process improvement to Client
  - Provide insights and provide analytical reports on data received from various sources of Project application;
  - Formulate and manage central metrics team of 2 people or more members in approval with purchaser and user
- visualisation reports or customised dashboard, statistical modelling, Strategizing and roll out plan for improvement
- Experience :

- More than 10 years' experience in planning and executing large scale projects IT projects (both international and domestic)
- Proven track record in Supply chain management domain, devise strategy and use IT solutions to execute the same
- Experience in statistical modelling, knowledge of statistical and analytical tool used in present industry.

### Delivery Manager

Job Title: Delivery Manager.

Experience: 9 years

Location: Bangalore.

Notice Period: Immediate.

Education: BCA / B.Sc / BE / B.Tech / MCA / ME / M.Tech / MS / M.Sc - Computers / IT / Electronics / Systems.

Certification: PMP (Optional)

Job Description:

Should be having more that 9 years of industry experience and at least 2 years experience working in e-Governance  
Should possess good communication and interpersonal skills with the ability to communicate technical issues to technical environment.

Project Management experience for software development in government domain

Should possess good stake-holder Management and Project Execution skills.



Should possess skills in project planning, risk management, vendor management and overall project service delivery.

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "Delivery Manager - Bangalore" in the subject line.

Please suggest some references if you are not looking for change.

### WebSphere Administrator

Job Title: WebSphere Administrator

Location: Chennai

Experience: 2 years

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MS / M.Sc / MCA

Notice Period: Immediate joining

Job Description:

- Installation, implementation, upgrading, performance, security, patching and monitoring
- Maximizing availability and performance for all WASND and IBM HTTP Server Plugins and IBM HTTP Server systems
- Developing a detailed understanding of WebSphere Application Server Clustering for High Availability
- Providing maximum system availability and uptime for our WebSphere environments
- Monitoring, tracking, trending, analysis and tuning of the WebSphere environments
- Validating backup techniques to ensure ease of system recoverability
- Timely security patching and applying support fixes as required.
- Experienced in Web Sphere runtime topologies
- Experienced in IBM HTTPS Server (HIS)
- Experienced with XML and HTML
- Experienced in Web services (e.g., SOAP, UDDI, WSDL, etc.)
- Experience in Websphere Enterprise Service Bus events, problem determination, administration, and performance

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "WebSphere Administrator - Chennai" in the subject line.

Please suggest some references if you are not looking for change.

### Project Manager (Software)

Job Title: Project Manager (Software)

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 3+ years

Joining: Immediate

Location: Delhi

Job Description:

Manage the software development / maintenance team, Interact with user.

Prioritize & allocate work to the team, maintains the necessary parameters related to work allocation and progress, knowledge and hands on expertise about latest technologies.

Take care of all aspects for software project including deployment, hand holding, issue resolution etc.

Requirement prioritization, resource planning & user satisfaction.

Project manager is expected to have experience in requirements analysis, software design, development, testing & deployments.

Government project exposure is preferred.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention "Project Manager(Software) - Delhi" in the subject line.

Please suggest some references if you are not looking for change.

## Business Analyst

Job Title: Business Analyst

Education: BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Experience: 3+ years

Joining: Immediate

Location: Delhi

Job Description:

Interact with user stakeholders.

Analyse and understand user requirements.

Document user requirements.

Interact with developer team for understanding and conversion to functionality in software.

Understand and Test functionality of existing software modules.

Study the software functionality and find out gaps with user requirements.

Present user requirements to developer team and developed software to users/stakeholders.

Document the existing system functionality, required functionality, gap-analysis, impart training & carry out hand ho

Exposure to government project will be preferred.

Kindly revert with your updated resume & relevant details on [ankita\\_bhosle@cms.co.in](mailto:ankita_bhosle@cms.co.in) if you are looking for an oppo

While applying, kindly mention "Business Analyst - Delhi" in the subject line.

Please suggest some references if you are not looking for change.

Assistant Procurement Manager

Job Title: Assistant Procurement Manager

Experience: 5 years

Location: Mumbai

Education: Any Graduate

Joining: Immediate

Job Description:

Candidate Should have 5 to 6 years' experience in production procurement ( Like Integrated Circuit , resistor , Elect  
Ample of knowledge about import through online as well as global sources  
Should have awareness of product market and sources .  
Good spend analysis , negotiation skill as well as vendor development and management .  
Should liaise with stakeholder / cross functional dept to deliver the project.  
Good communication skill & team player.  
Should know procurement to pay process. ( PR to payment )  
Knowledge of SAP system is must .

Kindly revert with your updated resume & relevant details on [hiring@cms.co.in](mailto:hiring@cms.co.in) if you are looking for an opportunity.

While applying, kindly mention " Assistant Procurement Manager - Mumbai" in the subject line.

Please suggest some references if you are not looking for change.

#### Service Procurement Executive

Job Title: Service Procurement Executive

Location: Mumbai

Experience: 3 years

CTC: Will be offered on the basis of interview.

Joining: Immediate

Education: Any graduate

Job Description:

Candidate should have experience in services procurement ( like AMC, job outsourcing/sublet) .  
Should have knowledge of service contract and outsourcing of job .  
Well versed with contract milestone and payment mile stone in services .  
Should know contractor and service provider across the country .  
Should define and abide scope of work with the help of project team .

Place order and formalize contract to vendor with SLA, Scope, Milestone .  
Coordinate with project team and site engineer for details work to be executed at site.  
Team player, good communication skill.  
Source negotiate and manage the service provider.  
Coordinate with project, & cross functional dept for services delivery  
SAP knowledge is must.  
Service market (Labor and AMC)  
Determination of clauses – ( Payment milestone – limitation of liability )  
Awareness of civil and not IT associate material  
Labour vendor management.

Kindly revert with your updated resume & relevant details on ankita\_bhosle@cms.co.in if you are looking for an oppo

While applying, kindly mention "Service Procurement Executive - Mumbai" in the subject line

Alliance Manager

#### Summary:

Years of versatile experience in IT industry including 3-4 years of dedicated experience in working with OEMs/Partne  
Is responsible for adding value to a company by extending its accounts to company partners. Relationships with the  
h companies. The main objective of an alliance manager is to increase long-term revenue as well as performance of

#### Responsibilities:

An alliance manger must be able to develop and maintain broad and deep external partner relations with company

Is knowledgeable of the partner's propositions, their markets, business challenges and customer opportunities;

Ensures partner account of the vision, strategies and capabilities of the alliance;

Maintains updates to the partner of the latest developments of their alliance account;  
provides feedback to the partners if needed;

Develops and executes attainable and strategy plans with the market needs;

Builds multi-level relationships with its partners including those in the executive level;

An alliance manager will also need to be able to gain a clear overview of the alliance, over what is happening at the p  
alliance manager will need to analyze the continuously changing information and suggest and implement adjustmen

#### Knowledge and Skills Requirements:

Alliance managers must have a passion for sales and technology.

Deep understanding of the Vendor Ecosystem ( DC Hardware providers, Storage/Backup providers, Network Hardwa

ools & software providers, Other System software providers)

Ability to drive a relationship especially with senior leadership and subsequently get our sales engaged with vendor s

Capability to look at skills/certifications required and works with you to build them internally across stakeholder unit

Among the most critical skill is pricing and ability to negotiate aggressive winning process thru early engagement and

His drive must come from the willingness to the help the company's growth.

He must have exceptional communications skills as it will be the core of his career.

He must know how to build relationships as well know how to maintain them.

He must be disciplined in working with people as well as be culturally sensitive in dealing with them.

That element brings along a lot of relationship and stakeholder management to the role of alliance managers: relation  
own organization including getting buy-in from colleagues.

On the one hand, the alliance manager needs to have an understanding of financials, business, development, and sa

At the same time, the alliance manager needs to be able to think outside the box and identify new opportunities in t  
evolve the alliance.

The alliance manager is certainly a versatile person a seasoned professional who have worked in several areas of bu

Maturity required to be able to work with stakeholders through all layers of the organization, to run the business asp

Education and Training Requirements

A bachelor's degree in Engineering with MBA is required. Having handled complex IT projects would be an advantage

## Software Developer

Software Developer : Looking for the candidate who have the experience in dotnet & MVC.

Location : Bangalore

Exp : 4+Yrs

### Technical Requirements

Excellent knowledge of ASP.NET (MVC), C#, .Net Framework 4.0, Entity Framework, JQuery, AngularJS/Meteor JS,HTML

Proficiency with Web Services and Web Technologies

Proficiency with continuous integration tools and techniques

Very good SQL Server 2008,2012,2014 concepts and knowledge

## Embedded Linux Developer

Position name : Embedded Linux Developer

Location : Trivandrum

Experience : 3-5 yrs

Job Description:

Embedded Linux application development using C or C++ Programming and Testing.  
Good Problem solving skills and communication skills is a must  
Shall be familiar with Linux internals, commands, and bootloaders, device drivers, etc

## MySql DBA

Job title : MySql DBA

Experience : 2- 3 years

Education : BE/Btech/MCA

Location : Jaipur

Requirement:

Minimum 2 years experience in Database administrator role for managing MYSQL RDBMS.  
Strong Object oriented design, Relational database design, and XML design is required  
Experience in clustering and replication

## Account Manager

Position : Account Manager

Location : Chennai

Exp: 4-8 years,

Skills: Understands the Customer's business and technical requirements and/or competitive landscape and design a structure landscapes and are able to build solutions for Computing, storage, networking & software solns. Opportunities to build high customer satisfaction.

Please send CV to [shalaka\\_rawal@cms.co.in](mailto:shalaka_rawal@cms.co.in)

## Business Analyst (ERP)

Job title : Business Analyst (ERP)

Experience : 3 – 5 years

Location : Delhi

Job description:

- Determine operational objectives by studying Tech business functions
- Gathering information
- Evaluating output requirements and formats. Construct workflow charts and diagrams, studying system capabilities
- Writing specifications
- Improve systems by studying current practices
- Designing modifications
- Define project requirements by identifying project milestones, phases and elements
- Prepare technical reports by collecting, analyzing and summarizing information.
- Interpret evaluate and develop integrated business analyses and projections for incorporation into strategic decisions
- Understand and communicate the financial and operational impacts of any changes
- Create informative, actionable and repeatable reporting that highlights relevant business trends and opportunities
- Conduct insightful, ad hoc analyses to investigate ongoing or one time operational issues.
- Good understanding ERP domain is must



## Field Engineer

Job title : Field Engineer

Exp : 1 year  
Location : Ahmedabad  
Education : ITI/Diploma in Electronics

Job description:

- Experience in CCNA, Networking, Windows.
- Experience/ Knowledge on Biometric access machine, DNS, DHCP.
- Experience in resolution of technical issues related to hardware/Software.
- Field work

## Backup administrator

Job title : Backup administrator

Experience : 1 - 4 years.  
Location : Delhi and Hyderabad.  
Education : BE / B. Tech / M. Tech / M. Sc / MCA - Specialization in IT / Computers / Electronics.  
OR  
BCA / B. Sc along with PG Diploma in Computers or Electronics / MBA in IT or Systems.

Job description :

- a. Performance monitoring and tuning of all the SAN components, like Storage system, fiber switches & backup etc.
- b. Installation and configuration of Backup server, TL setup, TL drives sharing, SAN client setup, APM's and clients on p over LAN and SAN.
- c. Backup and restore operations according to data-center policies including scheduled drill operations and on-demand.
- d. Analyzing the OS & Backup logs, alert logs, Warning logs and other trace files and diagnosing problems.
- e. Maintaining index and logs as per retention policies.

- f. Media Management with Proper Retention Period. Maintaining proper records of tape media, Backup Database,
- g. Daily health check and troubleshooting of failed backups.
- h. Co-ordination with Onsite Team & Vendor to fix Jukebox / Tape Library Issues.

Skills / Expertise :

- Should have worked as Backup administrator on any one of the following Backup Software, NetVault / Networker/ Veritas etc.
- Should have possesses basic knowledge of popular Operating Systems like, Windows, Red Hat Linux etc.
- Knowledge of clustering technology (Linux & Windows)
- Knowledge of Databases i.e. MS-SQL, MY-SQL, PostgreSQL, Oracle, DB-2 etc.
- Knowledge of Networking protocols and Local Area Networks
- Knowledge of VTL, LAN/SAN clients, NDMP etc.
- Knowledge of installation and configuration of backup agents / APM on servers, configuration of VTL, sharing drive etc.
- Working experience on enterprise backup software such as Netvault, Legato Networker etc.
- Knowledge of bar code labeling and maintaining the record.

### Storage administrator

Job title : Storage administrator

Experience : 3 – 7 years

Location : Delhi and Hyderabad

Education : BE / B. Tech / M. Tech / M. Sc / MCA - Specialization in IT / Computers / Electronics.

OR

BCA / B. Sc along with PG Diploma in Computers or Electronics / MBA in IT or Systems.

Job description:

The Storage Administrator shall undertake the following activities :

- a. Storage administrator shall be responsible for the management of the storage solution including, but not limited to disk array, SAN fabric / switches etc. It should be noted that the activities performed by the agency will be under the supervision of the client.
- b. Storage administrator shall be responsible for storage management, including but not limited to management of storage capacity, business continuity volumes, performance etc.
- c. The storage administrator will be required to create/delete, enable/disable zones.
- d. The storage administrator will be required to create/delete/modify storage volumes on Disk Arrays.
- e. The storage administrator will be required to create/delete, enable/disable connectivity and access rights to storage.
- f. To facilitate scalability, availability and performance of solution wherever required.
- g. FC switch Configuration, firmware up-gradation, zoning, monitoring, reporting and analyzing performance and configuration.

- h. Installation and update the HBA drivers on servers.
- i. Storage administrator must have hands on in latest technologies in storage solution like storage virtualization, cloud storage and NAS. He must have understanding of heterogeneous environment in storage solution.
- j. Storage administrator must have the clear understanding of managing, provisioning and performance analysis of storage.
- k. The administrators will also be required to have experience of migration from old technology to new technology like SAN to NAS.
- l. Storage administrator shall be responsible for remote replication including but not limited to management of key parameters. This also includes managing, configuring and monitoring the remote replication link.
- m. Storage administrator will be required to create/delete/modify storage volumes and replicate from DC location to secondary DC location at the time of DR drill and at the time of actual DR on the requirement basis.
- n. Troubleshooting, diagnosing issues and providing root cause analysis (RCA), related to Storage infrastructure including SAN, NAS and Cloud storage.
- o. Storage system monitoring, report generation and performance analysis.
- p. Automatic Report Generation through Report Manager and Sending alerts to administrators / users.
- q. Preparing reports and keeping them updated as per the Data Centre policies. Maintaining asset record, preparing inventory and maintaining the same.
- r. Shall have to provide support over the phone during non-working hours.
- s. Minimum 3 years of experience in Storage Arrays implementation & administration, SAN implementation & administration.

#### Skills / Expertise:

- Should OEM certified on Storage product.
- Should have possess in-depth knowledge of Storage Arrays like EMC, HP, Hitachi, Dell etc.
- Should have worked on MDS switches and should have sound knowledge of FC networking.
- Should have knowledge of remote replication technologies
- Should have possess basic knowledge of popular Operating Systems like, Windows, Red Hat Linux etc.
- Knowledge of clustering technology (Linux & Windows) and basic knowledge of virtualization technologies
- Knowledge of Databases i.e. MS-SQL, MY-SQL, PostgreSQL, Oracle, DB-2 etc.
- Knowledge of Networking protocols and Local Area Networks
- Knowledge of Fiber Channel protocols like SCSI, iSCSI , FCoE, FCIP etc.

#### Security Operations

Job title : Security Operations.

Experience : Minimum 3 Years of IT experience.  
1 year of experience as a Security Operations. (Large Data Centre experience will be preferred).

Location : Hyderabad.

Education : BE / B. Tech / M. Tech / MCA / M. Sc in Computers / IT / Electronics.  
OR  
BCA / B. Sc with PG Diploma in Computers / IT / Electronics or MBA in IT / Systems.

Job description :

Skill Set required :

1. Knowledge of operating systems, network devices and security devices.
2. Knowledge of installation & configuration of L-2 & L3 switches, VLAN configuration etc.
3. Knowledge of Networking protocols.
4. Knowledge of operations and troubleshooting of network security appliances such as firewall, IPS, DDoS, SIEM, An

Scope of Work :

- Data Centre Security Operations staff would have to work 7 days a week 24x7 basis (including holidays).
- Responsible for operations of the Data Centre Security Operations Centre.
- Should be capable of carrying out security operations along with the Security Administrator in delivering the assign

Senior DotNet Developer

Position title - Senior DotNet Developer

Experience - 4+ years

Location - Mumbai

Required skills -

Asp.Net, MVC, C#  
Web and Windows application  
SQL  
Multi-threading

Java Developer

Position Title - Java Developer  
Experience - 3+ years  
Location - Trivandrum

Required skills -

Java, Javascript, JSP programming skills.  
Web application design and development using Spring / Hibernate.  
Opensource Software library integration exposure is a must

App Programmer - .NET

Position title - App Programmer - .NET

Experience - 2-5 years  
Location - Delhi /Hyderabad  
Education - BE/Btech/MCA

Required skills -

2-5 years of Web/Mob System/App Programming  
Hands on exposure to .NET based technologies .NET 3.0, 4.0, 4.5, ASP.Net, C#, MVC 4/5  
Experience in SOA concepts with WCF, WPF or Service Stack, Android programming  
Experience in configuration management tools like SVN/TFS

Dot Net Developer

Job Title: Dot Net Developer

Location: Chennai

Education: BCA / B.Sc / BE / B.Tech / ME / M.Tech / MCA / MS / M.Sc - Computers / IT / Electronics / Systems.

Notice Period: immediate

Experience: 2 - 4 years

Skill sets:

dot net, asp.net, c#, sql server, mvc, ado.net, web application.

Kindly revert with your updated resume & relevant details on ankita\_bhosle@cms.co.in if you are looking for an oppo

### Marketing and Materials Management Expert

CMS Computers Ltd is hiring Domain Specialist- Marketing and Materials Management Expert at Mumbai.

Please find below the details:

Qualification : MBA (Marketing) or MBA (Manufacturing) or MBA (Sales)

Location : Mumbai

Experience : 6+ Years

Requirement:

No. of projects handled-Ideally 5 or more in manufacturing domain

#### Desired Skills & Experience

Minimum 10 years of industry experience in sales, marketing or manufacturing domain

Proven functional experience with at least three full implementations

Experience in implementing marketing and materials management for manufacturing industry

Ability to understand business processes from a customer perspective

Ability to work in a team environment, effectively interacting with others

Must be results oriented, and demonstrate a "Can Do": attitude – adaptability and flexibility

Willingness for short term travel within India to different client office for project requirements

#### Job Responsibilities

Facilitate the implementation and support of below mentioned ERP marketing modules

Order processing (Custom orders, Domestic orders, Export Orders)

Material Purchase Requisition

Budget

Job proposal.

E-bidding and e-tendering

Invitation of tender / Receipt and opening of Bids

Evaluation of the techno-commercial bids

Opening and Evaluation of Price bids

Report Generation

Perform detailed analysis of complex business process requirements and provide appropriate system solutions; ide

Facilitate workshops to collect business requirements  
Design, customize, configure and testing of marketing and material management modules.  
Map client business requirements, processes and objectives; develops necessary product modifications to satisfy client  
Identify gaps, issues and work around solutions.  
Document functional designs, test cases and results.  
Proactively identify and propose business process and/or system enhancements  
Provide consulting services on both new implementations and existing support projects  
Act as liaison with client for troubleshooting; investigate, analyze, and solve software problems.  
Act as a liaison between the business functions and the technical team.  
Provide ad-hoc training and user support as required  
Work self-directed and independently; act as subject matter mentor to junior members

To apply please mention MM-Specialist in the subject line and share your resumes at [komal\\_bhogte@cms.co.in](mailto:komal_bhogte@cms.co.in)

### Embedded Firmware engineer

Job title : Embedded Firmware engineer

Exp : 3-4 years

Location : Trivandrum

Education : BE / B.Tech / MCA.

Job description:

- Embedded C programming.
- Exposure with I2C, SPI, ADC, PWM, UART interfacing exposure with micro controllers
- Firmware development and testing.

### Automation test engineer – Selenium

Job title : Automation test engineer – Selenium

Experience : 4 – 6 years

Location : Trivandrum

Education : BE / B.Tech / MCA.

Job description:

- SW Product testing.
- Knowledge of networking protocols, operating system etc is added plus.
- Automated (preferably using selenium, Jmeter etc) SW Testing exposure is a must.
- Experience in making test plan, test cases, etc and generate various Test arts facts by collating team efforts is highly

## DB2 Administrator

Position : DB2 Administrator

Location : Chennai

Qualification : BE/Btech , MCA

Job Description :

Provide Technical, Customer and Team deliveries for successful database administration in DB2

Physical implementation and support of databases

Monitor and maintain databases to produce stable and efficient systems

Database helpdesk support that includes Database tuning and resolution of performance issues

Provide Data fixes

## Java Developer

Job title : Java Developer

Experience : 3 - 5 years.

Location : Jaipur

Education : BE / B.Tech / MCA / MSc. IT

Job Description:

- Should have minimum of 3 years (post-qualification) in developing Web based IT applications on JAVA and J2EE Plat
- Should be proficient in using web technologies like XML/ HTML/ DHTML/ HTML5/ JavaScript/ JQuery/ AJAX/ Spring/ E
- Should have sound knowledge of developing applications using RDBMS: MySQL
- Java Certification is essential



## Procurement

CMS Computers Ltd is hiring Procurement at Mumbai.

Please find below the details:

Work location : Bhandup, Mumbai

Education : Any Graduate

Experience : 1-7years

### Job Description:

Manage IT & Non IT procurement independently Like Hardware, software, networking, security surveillance, Labour  
Should have knowledge of contract management and installation work.

Liaise with all OEM, build alliances to obtained best rate and terms.

Float enquiry to OEM and disty and obtain the quote

Evaluate quote and vendor necessary factor like cost credit deliveries

Spend analysis and determine cost for material

Negotiate with vendor and take approval on cost

Formalize rate & prepare purchase order with consent of manager

Order placement and follow with vendor for delivery

Coordinate with stakeholder and accounts for payment

Prepare MIS for project and procurement status

Trouble shooting and vendor conflict management

Must aware about import and incoterm ( CIF/FOB)

Should have good communication skill oral and written

Knowledge of electronics material will be added weightage.

### Desired Candidate

Candidate should have minimum 1 to 7 years relevant experience

Candidate should be from IT industry (Preferred from System Integration)

Candidate should have adequate knowledge IT material and Market

Candidate should aware and deal with OEM and national Disty

Candidate should have experience of IT/ electronic project procurement

To apply please mention Internal Audit in the subject line and share your resumes at [naina\\_tambe@cms.co.in](mailto:naina_tambe@cms.co.in)

## Storage and Backup Specialist

### Skills & Experience:

Have 8-10+ years Storage/Backup Deployment/administration/ technical Support experience.

Strong experience in providing technical support including remote troubleshooting and resolution.

### Skills Summary:

Expert Experience and knowledge in Managing many of SAN/ NAS /Backup management products and technologies MC, Data Domain, NetApp, , Veritas, CommVault and Veeam etc).

Should have handled POC/Presentations on the above technologies

Ability to carry out Assessments/Audits on Storage/Back-up infrastructure and should be able to make recommendations

Desired Certifications - EMC solution architect or NTSP, Veritas certified Pre-Sales architect

- Must have at least 2 years of experience as an expert on the Storage/Backup technologies.
- Good knowledge in convergent infrastructures with skills in x86 servers while being an expert storage/backup administrator

### Preferred Skills:

Though it would be difficult to be an expert on all the following, the candidate is expected to have expertise in many of the following

SAN Network : Brocade DCX, FC/FR, Juniper QFX, FCoE

Storage boxes : DELL/EMC Vmax and VNX, HPE 3Par, Netapp, FAS, HDS

Backup Software : Veritas Netbackup, CommVault, Veeam

Backup Hardware : DELL/EMC DataDomain & Avamar, Veritas

Tiering, deduplication, compression, thin provisioning, density IO, storage management, strong knowledge in replication

Proficient in problem solving, installation, Configuration, Performance Optimization, and Storage/Backup administration

- Proficient in documenting existing and new infrastructure deployments and architecture diagrams
- Demonstrated experience in dealing with large- scale, highly available, and SLA managed services.

### Responsibilities:

- Act as the Storage/Backup expert for the wider organization and provide technical escalation support.
- Owns the escalated issues till its resolution including working with Product technical support for closure.
- Has an oversight on Storage/Backup build/migration projects and provides support as and when requested.
- Identifies knowledge gaps, Publishes knowledge articles, and conducts technical training to equip the field teams
- Establishes standard procedures for various tasks and activities as delivered by Level 2/ Level 1 teams.
- Conducts regular audits on the delivery projects to ensure compliance to standards.
- Makes recommendations for improved system performance and parameter tuning.
- Research, Investigate and develops various tools/products that could help delivery project and Operations teams
- Develop new automation and administration tools
- Manage product releases and maintenance updates in the delivery streams
- Evaluate, specify, help implement performance and availability monitoring tools
- Provide technical support for Performance monitoring, advanced troubleshooting of complex Storage/Backup projects, storage migrations and upgrades etc.
- Suggests and/or implements solutions to resolve problems and maintain a high level of customer satisfaction.

Personal Information

Title\*

Please select Title  
Mr.  
Ms.  
Dr.

Gender\*

Please select Gender  
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Female

first name\*

MIDDLE NAME

LAST NAME\*

DATE OF BIRTH\*

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Email\*

EDUCATIONAL QUALIFICATION\*

PROFESSIONAL Certification

Total Experience\*

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Mr. Mohammad Gayasuddin - Chief. Manager.Construction I/C Â– KJPL P/L Projects  
On Behalf Of M/S Bharat Petroleum Corp....

NIC ABT Project, Tamil Nadu

NIC ABT Project, Tamil Nadu  
Neyveli lignite Corporation, Neyveli, Chennai - General Manager  
When new regulations of Central Electricity Regulatory Commission...

Lanco EMS Project, U.P.

Lanco EMS Project, U.P.  
Lanco, ABT/EMS Project at Anpara Thermal Power Station, U.P. - Senior Manager  
The whole experience of working with CMS computers is very pleasant....

CSR Policy

CSR Policy

CMS actively contribute to the social and economic development of the communities in which we...

Incubation@CMS

Incubation@CMS

The CMS Business Incubation initiative is dedicated to providing a conducive and scalable...

Case Studies: Bangalore One Services

Case Studies: Bangalore One Services

CMS enables Bangaloreans with direct access to all Government services on anytime, anywhere, and...

CMS PARTICIPATES IN TRAFFIC...

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28 September 2016

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30 November 2015

CMS Computers was awarded as Digital Enterprise of the year for...

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### Overview

#### Re-Imagining A New World

CMS has always been at the vanguard of the IT movement in India with the sole objective to empower people with technology. Founded as Computer Maintenance and Services Company in 1976, CMS Computers Limited is a pioneer and leader in the industry. With over 100 locations in India, CMS Computers is adding value to every industry through its products, services and offering. Over the last 37 years, CMS has played an integral role in helping clients succeed through many economic cycles. CMS provides a wide range of services, transportation & traffic solutions, energy management solutions, surveillance and workforce management solutions, technology with client businesses.

Associate companies of CMS Computers, CMS Infosystems and Kaycee Industries are uniquely positioned as leaders in management services organisation, CMS Infosystems is also a leader across varied business lines including Managed Services. Since inception, CMS had a clear vision of leveraging the tremendous power of information technology for improving infrastructures. We imagined a world where industrial companies become service companies, where energy companies become commerce players, government leveraging technology to bring in more efficiency in governance, and urban centres secure and livable.

As a pioneer in traffic, e-governance, broadcasting, energy and security, we have simplified lives of citizens, corporations, creating our insight and taking more control of the tangible world. Our people form the bedrock of CMS with strong commitment. Our talent model includes strong elements of performance management, leadership development and ongoing skills development. CMS's long track record is also attributed to its enviable client base, unrivalled domain expertise, and strategic partnerships. We strive to simplify lives, leveraging cutting edge innovations in technology.

Our Values

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Quick Facts

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## Incubation at CMS

Corporate social responsibility policy

CMS Computers Limited and its Group, reaching out to underserved communities is part of our Policy and we believe in addressing the interests and grappling with the "quality of life" challenges that underserved communities face, and working towards a better future. Our vision is "to actively contribute to the social and economic development of the communities in which we operate, support the weaker sections of society and raise the country's human development index".

Implementation process: Identification of projects

All projects are identified in consultation with the community, literally sitting with them and gauging their basic needs through a listening process and in consultation with management.

Arising from this the focus areas that have emerged are Education, Health care, Sustainable livelihood, Infrastructure. All our projects are carried out under the guidance of CSR committee members and its team who work in the direction of CSR activities from time to time and also approve the project done during the financial year. Some of the focus areas are as follows:

Formal schools

Balwadis for elementary education

Quality primary education

Girl child education

Adult education programmes

In Health care our goal is to render quality health care facilities to people living in the villages and elsewhere through the following:

Primary health care centers

Mother and Child care projects

Immunisation programmes with a thrust on polio eradication

Health care for visually impaired, and physically challenged

Preventive health through awareness programmes.

In Sustainable Livelihood our programmes aim at providing livelihood in a locally appropriate and environmentally sustainable manner through the following:

Formation of Self Help

Groups for women empowerment

Vocational training

Agriculture development and better farmer focus Watershed development

Partnership with Industrial Training Institutes.

In Infrastructure Development we endeavour to set up essential services that form the foundation of sustainable development through the following:

Basic infrastructure facilities

Housing facilities

Safe drinking water

Sanitation & hygiene

Renewable sources of energy.

To bring about Social Change we advocate and support the following:

Dowryless marriage

Widow remarriage

Awareness programmes on anti-social issues

De-addiction campaigns and programmes

Espousing basic moral values

Organisational mechanism and responsibilities

CMS and its group Initiatives and Rural Development provides the vision under the leadership of its Chairperson, Mr. M. S. Kulkarni. The Company, the CEO takes on the role of the mentor, while the onus for the successful and time bound implementation of the projects lies with the Partnerships.

Collaborative partnerships are formed with the Government, the District Authorities, the village panchayats, NGOs, etc. to leverage upon the collective expertise, wisdom and experience that these partnerships bring to the table. Information dissemination

The Company's engagement in this domain is disseminated on its website, annual reports, its house journals and through various other means. Management Commitment

Our Board of Directors, our Management and all of our employees subscribe to the philosophy of compassionate capitalism characterised by a willingness to build a society that works for everyone. This is the cornerstone of our CSR policy.

Our Corporate Social Responsibility (CSR) policy conforms to the Corporate Social Responsibility Voluntary Guidelines, 2011 which can be undertaken by the company as per the guidelines of CSR activities of Ministry of Corporate Affairs.

As per Companies Act, 2013, Schedule VII mandates expenditure for the following activities-

- 1) Eradicating hunger, poverty and malnutrition, promoting preventive health care and sanitation and making available
- 2) Promoting education, including special education and employment enhancing vocation skills especially among enhancement projects,
- 3) Promoting gender equality, empowering women, setting up homes and hostels for women and orphans; setting up or citizens and measures for reducing inequalities faced by socially and economically backward ,
- 4) ensuring environmental sustainability, ecological balance, protection of flora and fauna, animal welfare, agro forestry, quality of soil, air and water;
- 5) Protection of national heritage, art and culture including restoration of buildings and sites of historical importance and development of traditional art and handicrafts,
- 6) Measures for the benefit of armed forces veterans, war widows and their dependents;
- 7) training to promote rural sports, nationally recognised sports, paraolympic sports and Olympic sports;
- 8) Contribution to the Prime Minister's National Relief Fund or any other fund set up by the Central Government for Scheduled Castes, the Scheduled Tribes, other backward classes, minorities and women;
- 9) contributions or funds provided to technology incubators located within academic institutions which are approved
- 10) Rural development projects,
- 11) Slum Area Development

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CMS's business initiatives play a pivotal role in the everyday life of our clients, stakeholders and citizens at large.

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Facilitating Governance, Empowering Citizens

Pioneers of e-Governance services in India, CMS Computers is playing a crucial role in the implementation of government services in a dynamic business environment and increasing accountability are prompting governments to become more competitive.

challenges in reaching out to citizens due to the vast population and diverse demographics of the country. To overcome these impediments, CMS is working closely with government bodies to facilitate public utilities throughout India. As a leading solutions provider of e-governance services in the country, we deliver hundreds of government services to citizens every day. Over the years, we have built a robust delivery model by expanding our network of service centres and workforce across the country.

Our ICT projects have created thousands of employment opportunities and facilitate the implementation of various central and state-level policies.

Government services including utility bills, certificates, landholding records, taxation and education, reach out to millions of citizens every month. Besides, we also take key services such as transportation, telecommunications and health to small cities and villages. In the past 12 years, CMS Computers has taken several path-breaking initiatives in the area of e-governance such as e-filing in high-sensitive criminal cases and digitization of various government offices such as Department of Stamp and Registration. The project of linking a unique Identification Number or Aadhar Card is another unique and ambitious project that CMS is currently spearheading across various states.

The success of CMS e-Governance solutions is evident from the fact that about 1.8 million transactions are being recorded every day across over a lakh of villages in the country. CMS Computers is committed to bringing smiles on the faces of millions of citizens through its e-governance solutions.

For decades, CMS's e-Governance Division has diligently worked to propagate its solutions across various departments and ministries, creating path-breaking solutions to suit various public policies and requirements for citizen services.

In addition to citizen services, we have also helped several government offices in developing systems to improve res  
objective is to make service delivery fast and effective and make bureaucracy and administrative activities more effi  
Learn more about how CMS is transforming India's IT landscape through e-Governance Solutions

Overview

Integrated Citizen Services

Land Record Systems

Registration Services

Transportation Utilities Management

Integrated Citizen Services

About ICS

Urban Solutions

Rural Solutions

Reaching over 2 crore households and 1 lakh villages everyday, CMS Computers continues to be the largest service p  
ision of CMS Computers provides a one-stop shop facility where various government and customer services are prov  
various departments for their requirements.

CMS's role in fostering the growth of integrated citizen services is unparalleled. CMS has not only implemented India's f  
illage level entrepreneurs in the remotest locations of the country. CMS's e-Governance team offers more than 150 u

We have partnered with several governments, public departments and civic bodies for the implementation of key pu  
as rural regions makes us the first choice for implementing an ICS project. We are looking to introduce more service  
future.

Achievements

First ICS project was implemented by CMS Computers in Andhra Pradesh.

First time print module for land records to offer from ICS network was developed by CMS for Maharashtra.

Developed functional portals for all CSC schemes offering G2C and B2C services.

Developed and integrated some complex services like Passport application to be offered from B1 centers.

Deliverables under ICS

Design the Architecture and Establish the Data Center for Application, Network, Infrastructure and Deployment.

Design the Architecture and Establish the Citizen Service Centers.

Integrate with various Departmental Networks / Applications / Database.

Design and Host the Portal and Internet Services.

Deploy the Counter staff / Managerial Staff at centers.

Run and Manage the Operations of the Staff / Centers.

Project Features

Provides real time online transactions.

Citizen Service Centers operate from 8-AM to 8-PM on all working days and are open on Sundays and other holidays

At Bangalore few centers are working 24X7.

Electronic queuing system and efficient transaction of business reduces waiting time.

Any service at any counter in the center.

Accepts all forms of Money including cash, cards, Cheques etc.

## Bouquet of Services

Payment of utility bills/taxes  
Registration and issue of certificates of births / deaths  
Issue of Land Records  
Issue of Domicile, Income, Insolvency, Caste certificate etc  
Correction, addition deletion of records in Ration Card / Voter Card  
Filling of Online application and fee collection for School/ College  
Facility for filling applications of government jobs.  
Dissemination of information and processing of applications related to social subsidy schemes  
Distribution of Rajiv Gandhi JivandayiArogyaYojana Cards  
Telemedicine  
Information centre for National Pension Scheme  
Registration of applications for passports  
Filing of sales tax returns  
B2C services like payments of DTH and mobile bills, money transfer, movie tickets, etc.  
Financial Inclusion including banking and insurance services  
Documentation of Aadhar Cards.

Every emerging country in the world is facing an enduring challenge of keeping up infrastructure of their cities with more innovative solutions to make public and even private utilities more accessible to city dwellers. CMS Computers has been working closely with civic bodies to enhance the scope of Information Technology in urban domains of IT such as Traffic, Energy and Security, CMS is uniquely positioned to help governments build smart cities. Bangalore One and Bangalore Traffic Police, our flagship projects in Bangalore, are the best examples of how technology can be used to improve urban infrastructure and make cities more energy efficient. We are looking to collaborate with transport authorities, municipal corporations, utility companies, security agencies to make services easily accessible to citizens. CMS aims to build smart cities with advanced technologies such as Internet of Things, mobile apps. To know more about how CMS is transforming e-governance in urban centres, download case studies placed on the right.

## Our CSC Initiatives

CMS simplifies the lives of Bangaloreans through one-stop shop facility

[Download](#)

## CMS transforms IT architecture of Road Transport Authority of Andhra Pradesh

[Download](#)

The daunting task of delivering public utilities in remotest locations is full of operational challenges in India. Government has a vast distribution network, while rural citizens have to travel long distances to avail government services. The centre and various state governments have indeed taken several path-breaking initiatives over the last decades to leverage technology. Government agencies have partnered with leading technology firms like CMS to build ambitious nationwide projects that can become more accessible and transparent to citizens.

Common Service Centers

CMS has collaborated with central and state-run agencies for various projects and played a significant role in connecting rural areas. A good example of our success is Common Services Centres (CSCs). Launched in 2006, this flagship scheme was implemented to create a one-stop shop facility for providing multiple services in far-flung locations. CMS has been a major catalyst in expanding the base of CSCs across the country. It has built a robust distribution chain and created job and business opportunities in some of the remotest locations of the country. Thousands of youths have joined the bandwagon to become village-level entrepreneurs. Moreover, many hardware stores have been established at the village levels. Going forward, CMS intends to address the needs of rural population in key areas of agriculture, education, and healthcare. Through the CSC scheme, the government committed itself to addressing the divide and brought its rural citizens closer to government services.

To know more about our offerings under CSC schemes, please download the documents given in the right hand side.

[Our CSC Initiatives](#)

Jan Seva in Uttar Pradesh

Download

Lok Sewa in Madhya Pradesh

Download

eMitra in Rajasthan

Download



Maha Seva in Maharashtra

[Download](#)

MeeSeva in Andhra Pradesh

[Download](#)

## Land Records Systems

Land and property records management is one of the most formidable tasks for a state government as it needs continuous updates. Besides, a large portion of state land is agricultural. Land records are maintained in different prescribed forms registering various information like cropped area, type of irrigation, crop type, land ownership, record of land transfer, land revenue, etc. The data available for land records are vast and it is not possible to update without the help of specialized tools. Speedy updates of records through the use of IT&C tools increases the efficiency and reduces hardship for the public. Details in a short and transparent manner.

CMS is actively working with various state governments for building robust IT architectures for record keeping systems or bespoke solutions.

Our land records systems have brought a great deal of transparency on the subject of ownership and category of properties and plan investments in a more prudent way.

### Benefits Of CMS Land Record Systems

Landowners can access land records and procure land and revenue certificates from any place, any time.

The central database system helps government offices and village level entrepreneurs, as the documentation process is simplified.

The number and nature of transactions is accounted for. The system brings in great transparency between landowners and the government.

Barcode on land records helps government agencies crack down on cases of forgery and land-grabbing.

Removal of junk characters from the database curtails redundancy in the documentation of land and revenue certificates.

### Program Objectives

Improve delivery of Land record services to citizens

Effective and efficient way to improve the revenue collection of state

Bring more transparency and reduce red tape from land record department

Speedy updation of crop records for better planning of resource

Access to information and data base from any corner of the state

Creation of qualifying manpower through IT education at all levels and deploy available resources in rural areas.

## Case Studies

CMS revamps land Record system in Punjab

Download

## Registration Services

CMS has been playing a pivotal role in revolutionizing e-Governance in India for decades. With a reach of over 1 Lakh /urban infrastructure projects to bring in unforeseen efficiencies in government processes.

One of the service sets that CMS has provided is in Citizen Registration and Documentation, which has helped bring While Information and Communication Technologies have been extremely pervasive in the private sector, their effect of numerous e-governance mandates from the Government to better manage services offered to rural locations, IC people closer.

Through its services and team, CMS has helped in automating the entire registration process and the speedy delivery Program Deliverables

Supply, install, operate and maintain the hardware and peripherals in all assigned offices.

Set up at all locations as functional and operational

Installation of all requisite software at locations and provide software upgrades.

Provide consumables to all the offices

Preparation of site and provide furniture as per standard design & layout.

Provide adequate technical staff and operators that can handle data entry, scanning the original registered documents thumb prints with thumbprint scanner, digital signature, photographs of parties with digital computer attached camera

## Program Benefits

### For Citizens

Simplifying the process of Registration of documents wherein the documents are registered, scanned and returned to

Issue of Encumbrance Certificates and Certified copy of the documents on the same day.

Accountability and Transparency in the functions of the department.

Built-in market value intelligence.

Improvement of efficiency in the department.

Issue of Encumbrance Certificates from any Sub-Registrar Office.

Generation of various MIS (Management Information System)

Reports for the use of the Department/Policy makers in Government/General Public

### For Governance

Documents registered and delivered within 30 minutes

EC/CC issued on same day

Elimination of errors in copying the documents

Reduction in the time of registration process

Decrease in the number of visits by the public to government office

Reduction in the cost of services

Reduction in storage space

Easy to access & Speedy retrieval of records

## Case Studies

## CMS simplifies registration process in Karnataka

Download

### Transportation Utilities Management

The rapid growth of road network and number of vehicles pose new challenges to traffic and transportation authorities. Managing the process, maintaining infrastructure and regulating traffic norms are becoming more arduous and complex for transportation authorities. Locations and offices, making transactions and data collection more accurate, transparent and easy.

To address this mammoth task, CMS's e-Governance division has created a separated arm for transport and traffic management. CMS's e-Governance solutions are managing distribution of licenses, e-traffic challan and integrate departments and offices. CMS has plans to introduce technologies like big data and mobility with an aim to connect citizens with transport-related services. Being a leading service provider and manufacturers in traffic space, CMS is well positioned to bring various disparate services into a central manageable console driven approach which makes managing complex issues like traffic a breeze.

#### Project Benefits

- Simplifying the process of Registration of documents wherein the documents are registered, scanned and returned to the user.
- Centralized monitoring dashboard with access to all end points across various media like video, nodes, signal states
- Improved traffic management leading to fewer bottlenecks and lesser fuel consumption
- Improved transparency and improved efficiency into license management, processing, grievance management and monitoring

### Case Studies

CMS introduces e-challan system, helps decongest Bangalore roads

Download

Connect

If you want to know more about the solutions offered by Our  
e-Governance Solutions Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)

022-41259000

Resources

Smart e-Governance for a Digital Nation

Download

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CMS's business initiatives play a pivotal role in the everyday life of our clients, stakeholders and citizens at large.

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Energy Management Solutions

Media & Broadcasting Solutions

Surveillance & Workforce Solutions

Transportation & Traffic Solutions

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Solutions for a sustainable tomorrow

From power generation to supply and energy consumption, CMS's Energy Management Solutions maximizes efficiency. Managing power can become quite a comprehensive exercise for any production environment and must be managed. CMS simplifies power management for its customers by providing end-to-end node based energy monitoring and management. CMS's engineering team studies a customer's plant, machinery, process and energy consumption patterns to create a solution. Once the key patterns have been discovered, CMS's team designs, installs and commissions a custom built energy management system. The team, applies its knowledge, adds value with innovation, and measures up to benchmarks hence delivering results.

CMS solutions are not only affordable

and easy to install and use,

but offer a quick return on investments.

Our energy audit experts analyze data, perform the energy audit and submit an online report of energy losses taking informed decisions to bring losses under control.

CMS solutions are not only affordable and easy to install and use, but offer a quick ROI. Highly accurate meters and software, higher quality analysis, automated controls and early warning issues. The information can be easily accessed on any device. The systems are completely scalable so they work within a single facility or across many sites throughout the country.

Many power plants, power distributors and manufacturing companies have experienced the simplicity and wide application of CMS systems and continue to enjoy the efficiencies and ease that our systems bring into their power management processes. For over a decade, CMS Energy Management Systems have been providing turnkey solutions covering design, development, installation and maintenance capabilities.

CMS's energy management products have been designed with a goal to address future demands and challenges of the industry. Our expert team has been developing a wide range of sophisticated meters and softwares that could deal with a wide range of energy consumption and management. Besides, our products are unbelievably affordable and offer a high quality of service.



rval. These logs can be downloaded later by using the software.

Communication: The meter features a RS-485 communication port. The meter communicates to the master device with a response time of less than 10ms.

Time Synchronization: The meter has RTC built in. The meter time can be synchronized with the server time to avoid drift.

Digital Output (8 stages) for Power Factor Correction: Each stage is optically isolated with a direct drive of AC/DC of up to 10A.

Each capacitor bank will in turn be energized based on the Capacitor Bank Value with respect to the required PF value.

Control: The meter can be controlled via the Modbus communication protocol. If any of the coils are energized and switched OFF the same.

Digital Outputs & Digital Inputs: This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs.

Digital Inputs can be used for Breaker Status monitoring.

Auxiliary Power supply: The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station Distribution.

Accuracy: The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters. The minimum current for the meter without loss of accuracy is 10 mA for 1/5A CT.

CT & PT Ratio: The user can configure the primary and secondary values of CT & PT as per the field requirements. The meter can be used at any location as and when required.

The RM-705 DS is an AC Static Three-phase CT Operated Electronic Dual Source Energy Meter that measures basic Parameters. It is specifically designed to measure the Electricity board & DG source operating parameters separately and independently. This meter is rugged in construction and monitors a wide load range with high sensitivity and low power loss. The meter has optional communication modules. All features comply with Indian and International standards.

#### Features

Source Identification for EB & DG using Digital input or by setting the MODBUS register.

Measures, displays and transmits the following parameters

Voltage - Phase and Line

Current - Phase and Line

PF - Phase and Line

Active Power (kW) – Phase and Line

Reactive Power (kVAR) – Phase and Line

Apparent Power (KVA) – Phase and Line

Active Energy (KWh) – Import and Export

Reactive Energy (KVARh) – Capacitive, Inductive

Apparent Energy (KVAh)

Demand Parameters – Average KW, Average KVA

Maximum Demand – KW & KVA

Frequency

Voltage Unbalance %

Current Unbalance %

Separate Recording of EB Energy & Demand

Separate Recording of DG Energy & Demand

DG Run hours & EB Run Hours

No of times DG ON

#### Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time.

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in W, V, A, kVA, kWh, kVARh, kVAh, Demand KW, Demand KVA and Peak Demands. If the meter is connected to the HT side of the meter, the parameters are displayed in KV Mode and kMVAh.

Connection Type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is selected by the user.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store kWh, kVARh, kVAh, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes. The data is stamped while storing the data into the memory.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. The data is stamped while storing the data into the memory.

Communication



The meter features a RS-485 communication port. The meter communicates to the master device using the MODBUS protocol. 10ms.

#### Time Synchronization

The meter has RTC built in. The meter time can be synchronized with the server time to avoid miscalculating energy

#### Digital Outputs & Digital Inputs

This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The outputs can be used for alarm monitoring.

#### Auxiliary Power Supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible.

#### Accuracy

The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters like voltage, current. The maximum loss of accuracy is 10 mA for 1/5A CT.

#### CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the meter to be used when required.

The RM-506K is a superior Static Energy Meter that helps in Energy Accounting to identify energy saving opportunities and energy conservation initiatives.

An Energy Accounting system is a critical part of an Energy Management plan. For any Energy Management plan to be successful, it is essential to understand consumption patterns. Without this information it is impossible to understand, measure or convey the progress of an energy conservation program.

The Energy Accounting System provides energy usage analysis and cost allocation for individual generation units, areas, departments, etc. It helps in creating energy billing reports based on user-definable energy cost functions and energy tariffs. The system also provides energy conservation billing are reported for generators and inter-tie exchanges are made simple.

#### FEATURES

##### Software Integration

RM-506K generates proportional pulses that can be integrated with a main line Energy Management System or SCADA system.

##### Time Synchronization

Time of measurement is very important in Energy Accounting. The meter's clock can be set using front panel push buttons.

##### Energy Measurements

Current KWh

Last Hour KWh

Last Day KWh

Last Month KWh

Date

Time

#### Accuracy

Class 1.0 Standard

Class 0.5S Optional

Built in RTC(LCD Version only)

Accuracy 1 min per month

Accuracy Standards

IS 13779

IEC – 62053 – 22

IS – 14697 : 1999

#### Optional Features

Digital Output for Bench Marking Control of alarm/control

Available Types

RM 506 K with mechanical counter

RM 506 K with LCD display for Current, Last Hour, Last Day, Last Month Energy readings

Energy Accounting & Bench Marking

Identify major load centers, allocate energy consumption norms, monitor deviations and refine norms for better space  
Load Analysis  
Monitor the energy input and compare with equipment output for better energy performance of equipment.

The RM-705 L4 is an AC Static Three-phase CT Operated Electronic Multi function Energy Meter that measures basic energy consumption. It has the TOD measurement and prepayment control for active energy. This Meter is rugged in construction for outdoor use. The device has built in Tamper Events Capture, RTC and high-speed communication modules. All features comply with the latest standards.

#### Features

Measures, displays and transmits the following parameters

Voltage - Phase and Line  
Current - Phase and Line  
PF - Phase and Line  
Active Power (kW) – Phase and Line  
Reactive Power (kVAR) – Phase and Line  
Apparent Power (KVA) – Phase and Line  
Active Energy (KWh) – Import and Export  
Reactive Energy (KVARh) – Capacitive, Inductive  
Apparent Energy (KVAh)  
Demand Parameters – Average KW, Average KVA  
Maximum Demand – KW & KVA  
Frequency  
Voltage Unbalance %  
Current Unbalance %  
Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters. Mode 2 can be displayed with a full list of parameters.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in V, A, W, KVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes.

Connection type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is 3 phase 3 wire.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store Active Energy, Reactive Energy, Apparent Energy, Demand KW, Demand KVA and Peak Demands. The interval is 15 minutes. The data is stamped while storing the data into memory.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. The data is stamped while storing the data into memory.

#### Communication

The meter features a RS-485 communication port. The meter communicates to the master device using the MODBUS-RTU protocol. The meter can be connected to the master device using the MODBUS-RTU protocol.

#### Time Synchronization

The meter has RTC built in. The meter time can be synchronized with the server time to avoid miscalculating energy consumption.

#### Digital Outputs & Digital Inputs

This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs. The outputs can be used for alarm monitoring. The inputs can be used for alarm monitoring.

#### Auxiliary Power supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible.

#### Accuracy

The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters like Voltage, Current, Power, Energy, Demand, etc.

out loss of accuracy is 10 mA for 1/5A CT.

CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the when required.

The PF-811L4 is an integrated, modular, microprocessor based Energy and Power meter with additional Power Factor electrical parameters in three-phase systems.

The PF-811L4 is specially designed to simultaneously measure, display, communicate and control certain electrical parameters on a 4 digit LCD display. The display can be configured for auto scroll or fixed display mode. The display scroll time can be set as required. Power factor is computed as required. The kVAR value & the power factor can be fine tuned by switching ON the corresponding capacitor bank. If switched OFF, it will come ON again after a 3 minutes delay. Each capacitor Bank value & required power factor value can be set via RS485. The 8 stages of capacitor Bank status (ON/OFF) will be displayed on the unit. Once the Meter restarts, all the capacitor banks will switch ON again to switch ON the corresponding Capacitor Bank based on the kVAR.

Features

Measures, displays and transmits the following parameters

Voltage - Phase and Line

Current - Phase and Line

PF - Phase and Line

Active Power (kW) – Phase and Line

Reactive Power (kVAR) – Phase and Line

Apparent Power (KVA) – Phase and Line

Active Energy (KWh) – Import and Export

Reactive Energy (KVARh) – Capacitive, Inductive

Apparent Energy (KVAh)

Demand Parameters – Average KW, Average KVA

Maximum Demand – KW & KVA

Frequency

Voltage Unbalance %

Current Unbalance %

Display Modes

Display Type: 4 Line Backlit LCD with selectable scroll time

Display Modes: There are 2 modes of display that are available to users. Mode 1 can be displayed with a full list of parameters.

Unit Selection: Parameter units can be selected as Normal and Kilo Mode. If the meter is connected to the LT side of the meter, the parameters are displayed in mV, mA, mW, mKVA, mKVARh, mKVAh, mKW, mKVA and mKVARh.

Connection type: Meter can be connected in 3 phases, 3 wires or 3 phase 4 wire configurations. Connection mode is selected via RS485.

Memory: The meter contains internal memory to store data for 60 days at 15-minute intervals. The meter can store 15 minutes of data for Voltage, Current, PF, kW, kVAR, KVA, KWH (Import & Export), KVARH (+/-), KVAH, Demand KW, Demand KVA and Peak Demands. The interval is stamped while storing the data into the memory.

Optionally, The RM 705 Meter stores the Maximum/Minimum values of individual parameters along-with the timestamp. This feature is enabled via RS485.

Communication: The meter features a RS-485 communication port. The meter communicates to the master device using a baud rate of 9600 and a response time of less than 10ms.

Time Synchronization: The meter has RTC built in. The meter time can be synchronized with the server time to avoid time drift.

Digital Output (8 stages) for Power Factor Correction

Each stage is optically isolated with a direct drive of AC/DC of up to 230 V and can be interfaced to each capacitor Bank. The meter can be configured to switch ON the Capacitor Bank Value with respect to the required PF value correction. The set limits can be placed through key or RS485.

If any of the coils are energized and switched OFF the same will be re-energized only after switching OFF the other stages. This feature is enabled via RS485.

Digital Outputs & Digital Inputs: This is an optional feature. The meter comes with two Digital Outputs and two Digital Inputs.

Digital Outputs can be used for Breaker Status monitoring.

Auxiliary Power supply

The meters can be powered from both 100 – 300 V AC/ DC. This enables the use of station DC supply wherever possible. The meter has a power consumption of less than 10W.

Accuracy

The meter has the accuracy class of 0.5 as per IS 14697/IEC 60687 for Active Energy and 0.2 % for basic parameters like Voltage, Current, PF, kW, kVAR, KVA, KWH, KVARh, KVAh, Demand KW, Demand KVA and Peak Demands. The out loss of accuracy is 10 mA for 1/5A CT.

#### CT & PT Ratio

The user can configure the primary and secondary values of CT & PT as per the field requirements. This enables the when required.

An energy accounting system is a critical part of an energy management strategy. For any energy management strategy, understanding consumption trends and patterns. Without this information it is impossible to understand or communicate in any manner any energy-saving measures.

The RM-506K is a low cost, affordable and simple static energy meter. It has a pulse output, which can be connected to a data logger. Advantages

Provide a foundation for a successful energy management strategy.

Record and track the progress of energy saving strategies.

Provide a basis for setting realistic energy savings goals

Indicate possible areas that can improve O&M.

Motivate O&M staff by continuously providing feedback through shift/daily/monthly reports.

Specific Energy Consumption Analysis

#### Features

Low cost

Class 1.0 Accuracy

IS 13379 standard

Easy to Install & Use

True RMS Measurements

CT/PT Ratio site selectable

Isolated Open Collector pulse output

Low VA Burden

No Mechanical wears & tear.

Self Powered

Used for 3 phase balanced and unbalanced loads

3phase 3 wire or 3 phase 4 wire modes are configurable using jumpers

#### SEAS – Energy Accounting Software

SEAS is a simple, device driver based energy accounting system. It features Network Configuration, Communication and stores them in the database with time stamps. The Reporter will enable users to select the energy meters and to export data to MS Excel.

#### power quality meters

#### ELNet-PQ Power Meter

Power Quality Meter with Harmonic Measurements

The ELNet-PQ power meter is a highly accurate (0.1-0.2%), multi-functional, three-phase EN50160 power quality analyzer and energy measurement in any electrical installation.

ELNet-PQ includes historic data logging and supports standard communication protocols; while integrating easily with other systems.

An indispensable tool for the Building Engineer, it aids efficient use of electricity by showing Power Factor, Peak usage, etc.

#### FEATURES

Multi-functional three-phase Power and Energy powermeter

Accuracy of 0.1 – 0.2% with spatial calibration.  
 EN50160 testing reports  
 On events waveform recording  
 Measures Power: Active Reactive Apparent.  
 Measures Power Quality, Malfunctions and Interruptions, and records Peaks  
 Shows Voltage, Current, Frequency, Current in Neutral Line and Power Factor  
 Total integration with Building Management Systems  
 Flash memory stores 2 years of information  
 Simple Multi lingual menus  
 Build-In RS232/485 Communication Port  
 Build-In Ethernet 10BaseT Communication Port  
 SupportsMODBUS& MODBUS/TCP communication protocols.  
 320 X 234 Color LCD display.  
 Displays up to the 64th Harmonic in Waveform or Graphic.  
 Data comparison on a weekly/ monthly/ yearly basis.  
 Simple installation.  
 Easy operation

The ELNet LT is a Power and Energy Meter that also has the ability to measure Harmonics. It is a compact, multi functional device designed to integrate into Building Management Systems. It requires no special mounting and is ideally suited for use in a variety of applications. The Configuration and Setup is menu driven, with password protection. Communication with external devices is simple. The ELNet-LT includes historic data logging and supports standard communication protocols. An indispensable tool for energy management by showing Power Factor, Maximum and minimum demand, Current in Neutral Line and Harmonics up to the 64th.

Features  
 Multi-functional three-phase Power and Energy powermeter  
 Accuracy of 0.1-0.2% with special calibration  
 Measures Active, Reactive & Apparent Power  
 Measures Power Quality and Malfunctions  
 Shows Voltage, Current, Frequency, Current in Neutral Line and Power Factor  
 Full integration with Building Management Systems  
 Flash memory stores 6 months of energy  
 Simple Multi-lingual menus  
 Built-In RS485 Communication Port  
 SupportsMODBUS communication protocols.  
 320 x 240 Color LCD display  
 Displays up to the 64th Harmonic in Waveforms or Graphics  
 Simple installation & Easy Operation

software

EEBS – Electronic Energy Billing System Software  
 eTools – Energy Management System

The EEBS software can be used to develop the following applications at any time without any much extra cost.

Automatic Meter Reading System  
Automatic Energy Billing  
Revenue monitoring and MIS  
Power Allocation and Load Management  
Distribution Management System  
Integration into any Substation Automation application

The main components of EEBS Software are:

Network Management and Configuration Module  
Facility Management and Configuration Module  
Billing Module  
Receipts Module  
Energy Accounting and Balancing Module  
Pre-Paid Coupon Generation Module  
MIS Module  
Viewer for front end GUI  
Reporter  
Alarm Module for pop-up alarms  
Query Wizard Processor for Data analysis  
SMS Server for sending emails on alters  
Web Server for distribution of viewer views over LAN/WAN/WWW.  
Schedulers for report generation & distribution.

CMS EEBS software is windows based application and performs the following functions.

Polls Energy Meters, DCUs at predefined intervals for Power and Energy data  
Polls a specific Energy Meter or DCU on request  
Collects the logged data from Energy Meters or DCUs  
Segregates the data meter wise  
Stores the energy data in the meter database  
Contains features to enter operating parameters of the loads  
Calculates and presents the information in real time  
Generates set point alarms based on the calculations done by the meter parameters using arithmetic, logical functions  
Presents the data in predefined formats to the front end screen  
Online/Historical data view of the meters, layer wise  
Generates user definable energy consumption reports in Microsoft Excel  
Exports the data to SAP  
Analyses data and presents the information.  
Sends Audio, Video & SMS alerts on events

The user can easily develop following MIS applications at any time. The software provides all the tools to make additional

Generation of reports on the Consumer wise / Building Wise / Block Wise Energy consumption analysis  
Generation of reports on the Consumer wise / Building Wise / Block Wise Load Profile analysis  
Generation of reports to study the electrical equipment outages , power outages Consumer wise / Building Wise / Block Wise  
Generation of reports on Bills and receipts  
Generation of reports on Energy & finance accounts

Key features

Expandable in network and can add any number of Consumer Meters; add secondary servers and Work Station PCs and control functions  
Meter Data acquisition: Collects data from power and energy meters over Internet, Ethernet, Modem, and can integrate with SCADA  
Data Exchange: Exchange data with existing SCADA, automation and business systems, which are compliant with ODBC  
Web Services: Available over intranet users for customized graphical views of system diagrams, real-time and historical data  
Reports: Scheduled, Event Driven, user configured, custom reports using Microsoft Excel. Auto distribution via email  
Data Trends: Tabular and graphical presentation of any combination of measured or derived parameters  
Alarms and Status: Pop-up simple, complex conditions; SMS alarm notifications; log Alarm Events with timestamp and location  
Execute Commands: Can Run command applications while alarm notifications can be used for a wide variety of applications

The database is SQL SERVER 2008 Express

#### EEBS Viewer

Views Single Line Diagrams (SLD) for clear power distribution across the facility with easy navigation from screen to screen.  
Creates user diagrams to display text box type, tabular type, graphical type, and image type data, runs command applications.  
Displays real-time power and energy measurements, derived parameters, historical trends and data logs, alarm conditions.  
Uses MS Excel interface to perform sophisticated data computations, then display and log derived values.  
Selects meter templates, group display and customized queries for quick and easy information access.  
Set up command buttons to navigate between diagrams, open data tables or run command applications.  
Store the user diagrams in relevant path convenient selection of views.  
Easily extract and analyze selected ranges of information from the database using a query wizard.

#### EEBS Reporter

Generates scheduler or event driven reports. Distribute Reports automatically over email or intranet web sharing.  
Standard reports: Generate reports through Microsoft® Excel™ using a fast and convenient report wizard interface. Hourly, Daily, Monthly Energy Consumption reports are available and modifiable.  
Aggregate Billing reports – System-wide usage patterns over the specified date range, including timestamps and peak values.  
Custom reports: Use Visual Basic® for Applications or any off-the-shelf SQL Server reporting tools, such as Crystal Reports.  
Integrate e-Tools data with other databases to reveal true business conditions.

#### EEBS Alarms & Controls

Configure alarms to pop a message or trigger an event for equipment outages, power down time or equipment conditions.  
Annunciate alarms through operator workstations, hooter announcements, audio announcements, and email, SMS or pager.  
Configure complex alarm conditions including the historical data addition into the alarm derivation formula.  
Log complete information on an event, including related coincident conditions with accurate timestamps.  
Perform fast, manual control operations by clicking on-screen trigger buttons; operate remote breakers, relays and contactors.  
Developed drivers for actuating the signals.

#### Advantages of CMS EEBS software

Energy Meter Independent; uses the meter templates & driver for data collection; this gives the user the flexibility of integrating various meter manufacturers.  
Developing device drivers

The software can integrate meters data and status data of the DI/DO modules in generating the control signals.  
CMS EEBS is easily upgradeable. The network configurations can be changed on field.  
The applications can be enabled or disabled based on the operating conditions or manually operated soft keys.  
Can also be integrated with pulse type Energy meters.

No tag/ meter limits

On-screen formats are user definable at any time

Multi level password protection

Web server is readily available at no extra cost.

Optional OPC Server for exporting to other DCS & SCADA system

The software can run simultaneously on another server for redundancy purpose and can switch between the servers.

#### Possible Future Expansions

The CMS EEBS software has the capability of reading all types of Energy meters using its meter templates. The software can also read RTU's. The network can also be expandable by adding DCUs/ meters without any extra cost on software.

Demand Management

PF Optimization

Energy Auditing

Distribution Transformer metering

Distribution Loss analysis

e-Tools software is a comprehensive Energy Management solution for energy generating companies and industrial companies that need to maximize their revenues. For energy users, it provides information to understand the areas where energy losses occur so that the needed strategies can be formulated to bring down these losses. The software can be used on a wide range of networked media including RS-232, RS-485, Ethernet and wireless, to a name server. Its Web-enabled access provides immense flexibility in sharing Energy Information to all plant personnel ranging from management, O&D, Engineering, Commercial departments and so on. E-Tools helps users watch real-time power conditions, analyze power quality and reliability, and respond to alarms to reveal energy generated VS available capacity, as well as verify efficiency improvements. The software uses SQL to connect to the database.

### Key Features

- Scalable in network size and number of devices with a flexible architecture. Users can add hundreds of metering points at their convenience. It uses MS Excel interface for complex data processing and control functions.
- Collects data from power and energy meters over RS-232, RS-485, Ethernet, wireless (GSM/GPRS) and other industry protocols, equipment and web services
- Shares data with third-party SCADA, Plant automation and Commercial business systems like PI servers, SAP/ERP. Connects to any database.
- Accessible over intranet for customized system data screens, real-time and historical data, status indicators and alarm management.
- Modules for preconfigured and custom reports.
- Supports Microsoft Excel and other third-party reporting tools. Reports can be scheduled for distribution via email or intranet.
- Provides online/offline trends: It can graph any combination of measured parameters; and aggregate loads
- Built in Alarm Manager to trigger complex conditions, generate alarm messages, and log all relevant event data
- Built-in functions to trigger applications to control an external MODBUS device: The set points can be operated manually or automatically.
- Supports SQL SERVER 2008 Express

### Real-time monitoring

- Displays Single Line Diagrams (SLDs) visualizing main distribution system across one or more substations or PCCs. The diagrams can be viewed over intranet.
- Displays real-time power and energy measurements in meter templates or group wise; historical data with selectable parameters (voltage, pressure, etc.) as selectable menu items.
- Uses MS Excel to perform sophisticated data computations. Displays and logs derived values based on real-time data.
- Easy to design user diagrams for customized views representing readings in numbers, bar or trend graphs, one-line diagrams, etc.
- Easy to switch between diagrams, easy to move to deeper levels of detail, for example, start with a substation overview diagram and drill down to a specific feeder or busbar.
- template for real-time data and open pre-configured queries for historical data analysis.
- Groups relevant devices and parameters together to gain convenient status readouts.
- Easily extract and analyze a selected range of information from the database using a query wizard

### Reporting

- The eTool Reporter comes with a manual report generator to generate reports manually at any time and configure reports to be generated automatically over email. The scheduled reports are concurrently saved to a folder on the plant intranet for easy access.
- Reports are generated in Microsoft® Excel™. The Excel sheets can be formatted as per the user requirement based on the report type.
- Five UI Analysis Report, ABT GAP reports are available and modifiable.
- The reports can be of a wide time range starting from block wise, hourly, daily, weekly, monthly, quarterly or yearly intervals.
- The reports are further customizable using VBA or with any SQL Server reporting tools. The reports can also combine with other reports like management reports.

### Trend Analysis

- Generates a maximum of eight parameters in any single diagram either as separate graph scales or on a single scale.
- Generate graphs of any measured or derived parameter.
- Graph aggregates load profiles from multiple metering points or compare related parameters from across your entire plant.
- Create usage profiles to reveal demand peaks, over load trends, or unused plant capacity
- Track plant-wide energy-related costs for each substation, feeder, process or equipment or area.

### Alarms and Events

- The Alarm Manager can be used to generate alarms on block outs, outages, load tripping, equipment down time etc.
- The user can configure alarms to generate messages on power outages, power supply variations in Voltage & frequency, etc.
- Can generate alarms on communication failures from metering devices or network component failures.
- Alarm messages can be distributed through operator workstations, email, and SMS as customized pre-configured messages.
- Alarms can also be configured using combinational logic in MS Excel to generate on complex or summary conditions.
- Log all associated event data to generate a report.
- Log complete information of an event with accurate timestamps.



## Manual and Automated Control

eTools has a provision to manually send control signals by clicking on-screen command buttons to operate remote loads.

Use the EMS Callbook feature to perform automated control over distributed equipment:

Supports a wide range of applications:

- o Switch on/off non priority loads to maintain demand under limits, remote loads, etc
- o Switch On/Off capacitor banks to correct power factor, optimize Demand and avoid penalties.

The main components of eTools Software are:

- o Network Management and Configuration Module
- o Viewer for front end GUI

Reporter

- o Alarm Module for pop-up alarms
- o Query Wizard Processor for Data analysis
- o SMS Server for sending emails on alters
- o Web Server for distribution of viewer views over LAN/WAN/WWW.
- o Schedulers for report generation & distribution

## trivector meters

Class 0.2S ABT Meter

Single Phase Trivector Meter

Three Phase CT Operated Meters

Three Phase Whole Current Meter

The RM 808H is an AC Static Three-phase CT Operated Electronic Multi-tariff Multi function Energy Meter that measures energy consumption. The meter has an option of measuring the ABT Parameters and can be integrated with any A energy. The RM 808H is rugged in construction and monitors a wide load range with high sensitivity and low power ed communication modules. All features comply with the relevant requirements of Indian and International standards.

Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
3. Monitors, Displays and transmits:

Voltage & Current (Phase & Line)

PF (Phase & Line)

KW, KVA & KVAR (Phase & Line)

HZ

KWh, KVARh (Lag & Lead), KVAh

Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes billing data for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the la e users convenience.

5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.

6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration

7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral

Current Failure

Current reversal  
Magnetic Interference  
Power failure  
Voltage Imbalance  
Current Unbalance  
Phase reversal

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours : The meter measures displays, stores and transmits the load on hours. The parameter is useful for

The RM 102 is a LT AC Static Single-phase Electronic Multi-tariff Multi function Energy Meter that measures basic power consumption. It has TOD measurement and prepayment control for active energy. This Meter is rugged and useful for commercial and low power loss. It features a built-in Tamper Events Capture, RTC and high-speed communication modules. Not only for AMR/AMI applications, it is also compliant with Indian and International standards.

#### Features

1. The meter comes with a built-in RS-485/RS-232 communication port supported by the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can download data for stand-alone meter applications.
3. Monitors, Displays and Transmits

Voltage & Current  
PF  
KW, KVA & KVAR  
HZ  
KWh, KVARh, KVAh  
Maximum Demand

4. Billing Reset & Records: Billing periods are user definable. The user can reset billing parameters either in auto mode or manually for a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the last 12 months of billing data.
5. TOD Setting: The user can program 18 different time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window integration. The demand interval is user definable.
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
Current Failure  
Current reversal  
Magnetic Interference  
Power failure

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours: The meter measures displays, stores and transmits the load on hours. This parameter is useful for

The RM 705R/ RM 808H are AC Static Three-phase CT Operated Electronic Multi-tariff Multi function Energy Meters that measure power consumption. They feature TOD measurement and prepayment control for active energy. These meters are rugged and useful for commercial and low power loss. The meters feature a built in Tamper Events Capture, RTC and high-speed communication modules. Not only for AMR/AMI applications. All features comply with Indian and International standards.

#### Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
3. Monitors, Displays and transmits:

Voltage & Current (Phase & Line)  
PF (Phase & Line)  
KW, KVA & KVAR (Phase & Line)  
HZ  
KWh, KVARh (Lag & Lead ), KVAh  
Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes: reset to zero or reset to a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the last 12 months of billing data for the user's convenience.
5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration.
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
 Current Failure  
 Current reversal  
 Magnetic Interference  
 Power failure  
 Voltage Imbalance  
 Current Unbalance  
 Phase reversal

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours: The meter measures displays, stores and transmits the load on hours. The parameter is useful for

The RM 1003(10A - 100A) and RM 0403(5A- 40 A) are LT AC Static Three-phase Electronic Multi-tariff Multi function Energy meters. They control the load based on energy consumption. The meters have the TOD measurement and prepayment control for accurate billing with high sensitivity and low power loss.

They feature built-in Tamper events capture, RTC and high-speed communication modules. The RM 1003 and 403 are compliant with Indian and International standards.

Features

1. The meters come with a built-in RS-485/RS-232 communication port and the MODBUS RTU Communication Protocol.
2. The Front – end IR Communication port can be used to download data for stand-alone meter applications.
3. Monitors, Displays and transmits:

Voltage & Current (Phase & Line)  
 PF (Phase & Line)  
 KW, KVA & KVAR (Phase & Line)  
 HZ  
 KWh, KVARh (Lag & Lead ), KVAh  
 Maximum Demand

4. Billing Reset & Records: The billing periods are user definable. The user can reset billing parameters in two modes: reset to zero or reset to a predefined date. The billing data is selectable on a monthly/bimonthly basis. The meter stores the last 12 months of billing data for the user's convenience.
5. TOD Setting: The user can program 18 different Time zones for recording Energy & Demand.
6. Maximum Demand: The meter measures maximum demand on fixed window as well as sliding window integration.
7. Tamper & Fraud Detection: The meter detects, records the following events

Missing Neutral  
 Current Failure  
 Current reversal  
 Magnetic Interference  
 Power failure  
 Voltage Imbalance  
 Current Unbalance  
 Phase reversal

8. Load Survey – The meter records KWh, KVARh, KVAh, MD parameters at 15-minute intervals for a period of one month.
9. Load on Hours : The meter measures displays, stores and transmits the load on hours. The parameter is useful for

CMS is a leading provider of world class Energy Management Solutions in India. Our solutions are utilized by India's top utilities. We have solutions ranging from Availability Based Systems to Electronic Energy Billing Systems. We also have plans to expand our reach to other parts of the country.

We also customize our readily available solutions for client needs and our solutions team ensures that these are implemented successfully. Click here to know more about our Energy Management Solutions.

[Overview](#)

[Availability Based Tariff \(ABT\)](#)

[Electronic Energy Billing System](#)

[Energy Management Solutions](#)

## Availability Based Tariff (ABT)

CMS brings a revolutionary solution for the power sector with an aim to bring in more accountability and efficiency in the power sector. Availability Based Tariff Systems provides frequency-based tariff structure to utilities and power distribution firms to avoid rapid and high volatility in the power sector. The system can also be integrated with other systems like PI Servers, SCADA, SAP/ERP etc. CMS's ABT systems have been implemented by leading utilities including the likes of National Thermal Power Corporation, Adani Power, Tata Power and Gujarat Industrial Power Corporation.

## Key Functions

Data collection from various meter types and technologies

Industry-standard rules to validate and estimate meter data

Pre-built framework to add custom rules

Automated and manual editing of data

Work queue and exception management functionality

Interfaces based on standard file formats

Standard meter data management reports

Log meter and revenue protection events

Unscheduled interchange energy accounting – finding the difference between allotment vs. actual consumption with

Missing meter data estimation for bulk supply billing

Meter data validation to detect possible energy meter malfunction

Frequency-based and availability-based tariff billing

Interstate long-term open access customer billing

## Key Benefits

Analyses data with respect to CERC Regulations for unscheduled interchange (UI) exchange

Online UI calculation

Online calculation of percentage of schedule generation (SG)/drawl or declared capability (DC) till the last time block

Online average running generation/drawl during the current time block

Online average running frequency of the current time block

Online asking Rate in MW to meet schedule of the current block

Online desired generation/drawl for the next coming blocks of the day to meet 101 % of DC

Graphical display of actual generation/drawl v/s Average Frequency

User defined graphs, displays and reports

Programming of Scheduled generation/drawl into the system

High accuracy due to calculations at meter end.

#### Key Components

RM 808 H ABT meters

Communication links

ABT / Energy Meters

RS 485 to Ethernet Converters

Shielded Twisted Pair RS 485 communication cable

Network Switches

GSM/GPRS Modems

ABT Server

eTools Software

#### Electronic Energy Billing System

CMS is a leading solution provider of Enterprise Electronic Billing Systems (EEBS) to power utilities and large-scale enterprises. CMS regulates the information related to energy consumption within a given organisation, enterprise or cluster of residential consumers. CMS provides the solution on a turnkey basis including design, supply, installation, testing and commissioning of the system, reports, alert messages and control outputs. EEBS employs established and proven communication media like GPRS, Ethernet, etc. in its architecture.

#### Key Functions

Tracking the real time power consumption status

Analysing historical trends and maintaining MIS reports.

Escalation of critical alarms

Detection of energy thefts

Common equipment loading patterns

Payment status of end-users

Generation and dissemination of energy consumption reports to consumers

Monitoring of no-power complaints

Central Log of Energy Meter data

#### Key Benefits

Economical feasibility

Centralized Monitoring of Energy Meter data

Automatic Bill Generation

On spot Tamper detection

Time-of-day (TOD) feature for polyphase users.

Remote disconnection Facility for payment defaulters

Choice of pre-payment or post payment with switching options

Separate energy tracking and switching between diesel generator sets & utility power

Load management including intimation on threshold limit crossings

EEBS employs advanced RM series AC Static Trivector Energy Meters with a quality of adapting to diverse climatic conditions.

The meters have fast data updating interval and in-built memory to store data and give data redundancy for 45 days.

All networked meters are time synchronized and avoid data discrepancies.

Communication media is cross compatible, highly scalable and operates at very low transmission delays.

## Key Specifications

3-phase 4-wire LT/HT Tri-vector smart meters Model RM 808H/RM 705 R with output to cut-off contactors  
3-Phase 4-wire Whole Current Trivector with RM 1003/RM403 with/without in-built cut-off contactors  
EBS software  
Communication and media converters

## Energy Management Solutions

CMS's Energy Management Solutions (EMS) is a high-end energy management solution comprehensive and easy to use with expandable functions for energy calculations.

In CMS's Energy Management System, the software performs Master Station functions as well as advanced graphical functions across continents. The result is much higher performance and return on investment to many groups within an organisation and control capabilities necessary to enable management, accounting, engineering and maintenance personnel. The system can also be integrated with other systems like PI Servers, SCADA, SAP/ERP etc. It provides needed information (reports, alarms, etc) to help note the real time power consumption status, historical trends, critical alarms, identify energy saving opportunities etc.

Key Functions

- Real time energy monitoring
- Portfolio management of energy consumption
- Decrease Downtime
- Accelerate problem response
- Escalation of overuse/underuse of energy
- Provides customised reports in various user-friendly formats

## Key Benefits

Equipped with high-end power & energy monitoring devices.  
Capable of working at the varying operating conditions (Like varying ambient temp. input power supply variations, etc).  
The monitoring devices have fast data updating interval for uploading data to Master devices (Response time is as low as 100ms).  
The monitoring devices have in-built memory to store data and give data redundancy for 30 days.  
All network devices are time synchronised and avoids data discrepancies.  
The communication media is compatible with globally recognised communication modes & protocols.  
The network system operates at very low transmission delays. It is scalable to meet the requirements for expansion.

## Key Components

Energy meters with user defined accuracy class. Class 0.2 or Class 0.5.  
Centralised server with user defined clients for energy monitoring.  
SMS modems to deliver emergency event messages to users.  
e-tools energy management software.  
Web server for accessing the information globally.  
OPC clients for interoperability of system through the enterprise.

## Connect

If you want to know more about the solutions offered by Our  
Energy Management Solutions Team,  
Please contact our business unit representative at:

[sales@cms.co.in](mailto:sales@cms.co.in)  
022-41259000

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Smart Grid Solutions

Download

Energy Management Solutions

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#### Integrating Content Delivery Systems

CMS's Media & Broadcasting Services offers most advanced and cost-effective content delivery systems to our clients. Media & Broadcasting Solutions, a division of CMS Computers Ltd, is India's leading and most trusted solution provider for end-to-end solutions for TV Satellite Channels and high-end application areas like e-classroom and Telemedicine, well recognised for providing state-of-the-art digital broadcast solutions and delivering outsourcing services.

Within the sector chain, our portfolio ranges from consulting, software deployment and system integration to the complete turnkey jobs. With pan-India presence and expertise of more than three decades, CMS provides nothing but the best price performance. We represent some of the biggest equipment manufacturers from the Broadcast Industry like Sony, Apple, Octopus, etc. and them, as we offer maintenance and facility Management services to satellite channel, production houses, educational institutions.

With pan-India presence and expertise of more than three decades, CMS provides nothing but the best price performance.

CMS's Media & Broadcasting Services has evolved from a distributor of Sony's broadcast equipment to a major solution provider, as a turning point not only for CMS but also for the broadcasting industry. The buyout brought CMS's rich experience and brought a major push to the technologies available in the industry. We have many firsts on our name including the introduction of the industry with multilevel expertise and escalations.

In addition to providing Server, Storage, Automation, Editing & NRCS services to the above companies, CMS is also providing value added media services to educational institutions, self-governments (Through E-Gov Initiatives) and citizens.

Solutions and Offerings

Provider of Satellite Channels on Turnkey basis  
Telemedicine Infra Facilities  
AMC & FMS  
E – Education  
Streaming Solutions and Multiscreen Delivery  
Skilled Resources Hiring

With our experience in traditional broadcasting technologies and our understanding of new age online channels CMS has the capability to help deliver your content to millions of users across multiple channels like television, and online. Our solutions are helping traditional Indian broadcasters cater to their consumers over multiple channels fuelled with content without compromising on operational efficiencies or quality. Know more about our wide range of broadcasting solutions.

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News Room Computer System

Satellite Broadcast Solution

Tele-Education/e-Learning/Virtual Classroom

Tele-Medicine & Bio-informatics

## News Room Computer System

CMS Computers Ltd offers end-to-end News Room Automation services at quality levels defined by global standards. Newsrooms face significant production challenges, especially in today's competitive environment. Constant connectivity is one of the key factors to building a strong broadcast offering. Managers are required to produce more content in different formats in a demanding environment often saddled with budget and staffing constraints.

Whether customers today are managing a mid-sized local newsroom or a large, multi-site news operations, they are required to meet high quality standards.

CMS's News Room Computer System is designed to meet the complex requirements of media networks, production studios, end-to-end video production and all the hardware components necessary for smooth operations. It features the complete solution for the expected broadcasters. An innovative file based workflow brings in unprecedented efficiencies. The solution is simple to use. It logs to a playlist, using drag and drop playlists, trimming, and viewing, without purchasing additional products. This system integrates all the key areas of the broadcast chain such as collaborating, exchanging information, and managing content used in today's fast moving news presentations. It also organizes live or recorded news content such as video, texts, and graphics into the run order.

CMS's newsroom solution has gained popularity and recognition worldwide. Our systems have successfully been installed in newsrooms such as IIT, Jamia Millia Islamia, RSTV New Delhi, i-witness Haryana, GSTV Gujrat, Kashish TV Ranchi, HMTV Hyderabad, etc. The secret behind our success is our passion to introduce the latest technologies and trends in the broadcasting industry. Our core values are flexibility and reliability. In addition we understand that every customer is unique and deserves a solution that meets their CMS and its goals.

## Satellite Broadcast Solution

In an age of constant connectivity and 24X7 updates, CMS's Satellite Broadcast Channels & Routing Solutions provide the best infrastructure to make them leading players in their own right.

CMS Computers Ltd is a leading System integrator (S.I) of Satellite Broadcasting solutions. We provide a complete package of services for our customers.

of the core products and services that we bring to our customers include:

- Studio Setup
- Field Content creation & collection
- Editing & Managing
- Online Archiving and Library management
- News Room Automation
- Master Control Automation
- Media Asset Management
- Content security
- Teleport and Monitoring
- Storage
- RF Solution/OB integration/DSNG
- Production House
- Radio System

#### Tele-Education/e-Learning/Virtual Classroom

CMS plays a pivotal role in providing a technological edge to the education sector through distance learning and content management across premier institutes on Media Labs, e-Learning and High Performance Computing. CMS Solutions for Distance Education include

- Virtual Classroom/e-classroom
- Wi-Fi Campus
- Virtual Library
- Guest Lectures Through Internet or WAN
- Audio/Video Conferencing
- Media Lab
- HPC (High Performance Computing)

The main modes of communication are audio, video and computer enabled. Audio technologies involve the transmission of audio signals synchronously or asynchronously. Examples of asynchronous transmission include audio-conferencing and short wave radio; audiocassettes.

Video for distance learning, like audio, can be used in either synchronous or asynchronous modes. Synchronous Video allows for live visual and verbal interaction between instructors and learners. Asynchronous instructional video tools allow learners to view content at their own pace.

Computer-assisted learning or instructions can be defined as learning mediated by a computer, which requires no direct supervision by an instructor to run. This practice is becoming increasingly common. Examples include: the Internet, email, synchronous and asynchronous video conferencing, and multimedia applications on CD-ROM.

CMS Computers provides whole integration in Tele-education. It comprises of Video and Audio two way communication. Learners can ask questions regarding any topic at any time with their computers and then a pop-up shows up on the Instructor's Screen. Audio interaction between learners and instructors, either synchronously or asynchronously.

#### Tele-Medicine & Bio-informatics

With over 30 years of experience in broadcast and IT, CMS has joined hands with the medical fraternity to offer state-of-the-art solutions. CMS not only provides solutions to the medical fraternity and research institutions for IT and content management integration but also sets up new systems as greenfield projects.

Telemedicine is the remote diagnosis and treatment of patients by means of telecommunications technology. National and international health institutions as well as rural healthcare projects (E-Gov).

CMS's Tele-medicine solution is an end-to-end solution for distance healthcare. CMS Tele-medicine solutions are available for clinical trials, research collaboration conferences, audio/video conferences between doctors or professional education and training, and patient education activities, including broadcasting rounds, journal clubs and case presentations to colleagues. CMS also covers all aspects of telemedicine.

- Tele-conferencing (Audio/Video)
- Virtual Operation Theatre (OT)
- Real time or synchronous Telemedicine (Interactive Video-conferencing)



Store and forward telemedicine or Asynchronous (tele-pathology, tele-radiology, tele-dermatology, etc.)

Disaster management (Therapy in natural disasters like earthquakes, floods, etc.)

Tele-therapy

Tele-Education (Medical courses/classes can be scheduled and conducted for students/doctors/specialists remotely)

Primary care and specialist referral services

Remote patient monitoring

Consumer medical and health information

These education sessions may involve two centers (point-to-point) or more than two centers, connected at one node. One of the advantages of this type of education is that multi-disciplinary teams from different institutions can participate in a single event.

This ability to connect with teams from different regions enriches the learning experience for everyone involved. Moreover, it allows for video-conferencing to take up suggestions or discuss medical problems of patients seeking advice over a simple telephone call. Using real-time interactive video-conferencing doctors can carry out diagnostic tests such as E.C.G.

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### Building Intelligent & Secure Workplaces

We offer turnkey surveillance & workforce solutions to our clients — helping them manage their human resources and security. CMS Computers is a leading domestic provider of security & surveillance systems and workforce applications in India with excellent capabilities in system integration and development of products related to surveillance and workforce management. From top corporate houses to critical government institutions like defence, space, infrastructure and military, our turnkey solutions are available across all industries and size of businesses. Our marquee products and offerings have always stood the test of time. We keep a close eye on market trends and demand, which help them build advanced solutions for the clients.

### Enterprise Security Solutions

CMS designs, installs, maintains and upgrades Integrated Security solutions with the insight and service to support a secure future for the future.

Some of the key benefits of working with us as a solution provider:

An ISO 9001 : 2008 organization certified by Underwriters Laboratories.

Nationwide presence at more than 100+ locations

Highly skilled and well trained project management and execution team

Help desk to cater to customer complaints through exclusive toll free number

Investment optimization through scalability of products & services

### Workforce Solutions

Designed for complex and large-scale enterprises, CMS's Workforce Solutions delivers true labour optimization on a large scale. At CMS, our objective is to help our customers control costs, enhance manpower productivity and build a robust human resource management system. Our web-based suite comprises of modules such as Access Control and Time Attendance, Time and Expense Management and Visitor Management.

We achieve this by providing:

Complete automation: We engineer fully integrated solutions to eliminate error-prone manual processes. We also automate reporting, saving precious time.

High-quality information: We provide dashboards with real-time information, the kind of information managers need to make informed decisions.

User-friendly products: We get you up and running fast so you can start saving money sooner. Our solutions are completely intuitive and easy to use.

The experience you expect: For over 15 years, we have been working in a competitive sector of surveillance and workforce management, which has helped us retain our leadership position in the market.

For the last 15 years, CMS has been delivering some of the best surveillance and workforce related products. We ind  
d segments including corporates, manufactures, oil refineries, government departments, financial institutions and m  
ises through our excellent integration capabilities.

We develop our own state-of-art biometrics devices which are well-recognised in the industry and are regularly utiliz  
Explore more about a wide range of security and workforce products offered by CMS.

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security

Face Reader  
Fire Alarm  
Intrusion Detection  
Video Surveillance

CMS's Face Reader provides high speed access into buildings and restricted areas, making the security process effort  
of the user's face, it achieves extremely accurate matching while ensuring high throughput.

Market-tested and customer proven solutions that are interoperable, and designed to grow with you.  
Knowledgeable technical support team ready to help answer your questions and get you up and running.  
Authenticate users in under a second and can even differentiate between identical twins. Accurate matching using 40,  
Hands-free access and customizable voice prompts.  
4-inch color LCD screen to aid in user positioning.  
Embedded platform with built in processing and biometric matching right on the device.  
Designed for the future of access control. IP capability means less cables and components to install.  
Interface directly to existing access control panels and card readers using Wiegand, RS232, RS422 or RS485 interface  
Handle a high volume of traffic in order to authenticate thousands of employees as they start a new shift.  
Store up to 60,000 templates in the database verification.  
Log 100,000 events for audit trails Multi-Factor Authentication.  
Compatible with cards, PINs and biometrics.

Complete range of conventional, addressable and standalone fire slarm panels.  
Multiple type of smoke and heat detectors.  
Panels available with redundant power supplies to ensure reliable operation.  
Manual call points with break glass option.  
Seamless integration with various access control panels for door opening in case of fire.  
Various Control boards available for integration with other systems like HVAC, PA system, Alarm Annunciators, Gas S  
Panels available with 1-8 & above SLC's ( Loops ) with upto 125 detectors per SLC.  
Integration with other Life Safety systems and building management systems.  
Fire Alarm System Software for remote monitoring and administration.

Intrusion Detection using Infrared Barriers, IR+MW Barriers or Laser detectors  
Maximum reliability with minimum false Alarms  
Options available for directly triggering cameras for video recording  
Upto 650 feet of detection range using dual  
technology IR + Microwave barriers

System Integrator for major OEM's providing end-to-end visual surveillance (visual monitoring & post analysis of recordings)  
Complete range on analog, IP, wireless systems.  
Major strength on providing explosion proof cameras in hazardous environment.  
Provide detailed consultancy (understanding requirement, scalability & better management).  
Provide video analytic solution to improve system efficiency and reduction of human errors.

workforce

BIO-ID  
Biometric Enrollment Software  
DC102-BIO  
UNO Invictus  
UNO Perso  
UNO Relish  
UNO Sentinal  
UNO Tempus

CMS's breakthrough BIO-ID product combines proven fingerprint identification technologies with state-of-the-art capabilities.  
The BIO-ID is available with wired and wireless connectivity options allowing for installation in offsite locations for attendance, time and attendance to physical access control.  
The BIO-ID 32-bit general-purpose processor with non-volatile memory supports existing applications like time attendance.  
built in Mifare Smart Card reader for enhanced security.  
Specifications

Arm9 Core processor with 64 MB RAM and 128MB Flash  
High Speed reliable fingerprint matching. Verification in <1 second and identification in <2 seconds  
Three security levels –Administrator, Supervisor, and Operator  
Enrollment directly on the reader by supervisor or administrator  
Real-time transaction data upload to a central server using GSM/GPRS  
Transaction log capacity of 50,000 records  
Communications – USB, RS232, GSM/GPRS Quadband, GPS Wi-Fi  
Contactless smart card reader for ISO 14443 Type A/B/T=CL cards  
500 dpi resolution Optical Fingerprint sensor with a capture area of 14mmX22mm  
128X64 pixels graphics LCD and 19 key polydome keypad including 4 programmable function keys  
1800mAh Li-Ion battery with in-built charger  
Dimensions: LXWXH (160X80X40) in mm Weight: Approx. 300 gms



Operating temperature: 0 to 50 degrees  
Humidity: 95% RH non-condensing

Today's institutions, rely increasingly on automatic identification; and as they increase, so do attempts to defraud. In order to prove they are personally authorized to conduct any process  
Biometric Enrollment Software

Full featured Biometric enrollment and verification software  
User selectable finger selection out of all 10 fingers  
Compatible with Windows 98, XP, Server 2000, and Server 2003  
Biometric operator logon for enhanced security to avoid misuse of the system  
Duplication check during enrollment ensures that same employee cannot be re-enrolled  
Finger enrollment quality check with user selectable threshold to ensure only the best fingerprint get enrolled

CMS's breakthrough DC102-BIO product combines proven fingerprint identification technologies with state-of-the-art .  
The DC102-BIO is available with wired and wireless connectivity options allowing for installation in offsite locations for programs, time and attendance to physical access control.  
The DC102-BIO 32-bit general-purpose processor with non-volatile memory supports existing applications like time and attendance as a built in Mifare Smart Card reader for enhanced security

## Specifications

Hi-Speed, with reliable fingerprint matching. Verification in less than 1 second and identification of 1:500 in 1.5 seconds  
1:1 Verification & 1:N identification simultaneously  
Centralized fingerprint template downloading with feature of template upload from Terminal to central server (enrollment)  
Configurable Options: Template on card/Template in terminal  
Large 18X22mm, 500 dpi scratch card and ESD resistanceSagem Optical fingerprint sensor  
User Capacity 5000/3000/50000  
Fingers: 2 per user  
Operational Modes: FP Only/Card + FP + PIN/Card Only/Card + PIN/FP + PIN (User selectable)  
SD Card Interface for memory upgrade to 4GB  
Fully compliant to ISO 19794-2 and 19794-4  
Transaction storage 5000, Memory Upgrade option available for 50,000 transaction storage  
Communications RS232, USB, TCP/IP network compliant, Optional GPRS and CDMA support  
Seamless firmware Upgrades remotely over Ethernet  
Template Format: Proprietary, ISO 19794 and ANSI 378

Every organization has visitors – important clients, vendors, delegates and so on and every receptionist or security officer. Invictus ensures that the whole process of Visitor Management becomes a trouble-free and pleasant exercise to you and the reception for long  
With Invictus you will never have an unauthorized visitor in your campus through quick and proper visitor registration materials carried in and out, etc.  
With Invictus and Sentinel together, you have an option of issuing an access card to the user thus ensuring that your visitor is allowed to access.  
The prior appointment module in Invictus allows an employee to intimate the system of a visitor's scheduled arrival and his details are fed into the system.

UNO Perso allows personalization of your smart cards and biometric templates and has management features. With time - devices

#### Features

- Web-based card personalization with user data written to card
- Provision for fingerprint capture and storage in card
- Allow verification of fingerprint capture and storage in card
- Allows verification of fingerprint template written on card
- Additional security provision for card personalization through Mastercard and PIN

The ultimate in cafeteria management, no matter whether the cafeteria is owned or outsourced, Relish provides you. Relish streamlines the overall cafeteria experience for the cafeteria user and the cafeteria management as well.

#### Benefits for Cafeteria User

- Interactive and user friendly Kiosk based touch-screen interface for meal selection
- Printed KOT for record purchase
- Optional smartcard or biometric based authentication

#### Benefits for Cafeteria Management

- Web-based interface for administering the application
- Provision to provide daily menu, weekly menu, cafeteria timeslots etc.
- Accurate and meaningful reports of consumption details employee-wise, department wise, day-wise, etc
- Control Employee/visitor access to kiosk interface

Sentinel combines the different aspects of Access Control into an elegant, versatile and powerful security management system. It supports both cloud-based and on-premise architectures, and is available in both off-the-shelf and custom-manufactured Access Control Devices.

#### Features

- Cardholder Administration
- Configuring Access Permissions
- Anti-Passback
- Remote device management
- Interactive and detailed event viewer for real-time status view etc

#### Configure

- Readers upto 1024
- Controllers upto 256
- Access points upto 1024
- Unlimited Access Levels

UNO Tempus is a solution that can solve all your time and material issues related to workforce management. With Tempus, you can manage your workforce in real-time from anywhere.

#### Features

- Time management linked to time devices providing real-time visibility into workforce

Leave and absence management  
Scheduling, Shift management  
Reporting & Analytics  
Overtime calculation  
Shift allowances  
Holiday Management  
Compensatory Off

Built in workflow with Employee self service module with proper authentication for

Check roster  
Checking punches  
Check attendance details  
Check leave balance  
Apply for leave

Test Image

Test Image 123

CMS is a leading provider of highly reliable security & workforce solutions in India. These solutions are built with the organizations to enhance productivity and optimize investments without compromising on security threats, compliance. CMS's surveillance and workforce solutions are utilized by some of India's most secure institutions such as the defense. Discover more about our Enterprise & Security offerings.

Overview  
Access Control  
Security Solutions  
Workforce Management Solutions

## Access Control

Access control systems allow your business to take control of your security with individualized solutions. Every business is vulnerable to keeping threats to their security outside. An access control system helps business do just that in a simple user-friendly way. Every company has their own specific set of needs, which is why we can formulate, design and implement specific access control solutions. No matter how unique your needs might be, our engineers can work with you to create exactly the kind of access control solution you need, from a small office to a giant warehouse that stretches on for a half mile, you can get the access control solutions you need at a price that fits your budget. All of our various access control options come with our extremely reliable customer care, consultation, design, installation and maintenance. If you've been looking for with expert access control options from CMS.

Features:

CMS provides a comprehensive portfolio of access control solutions to fit the requirements of any business regardless of size.

Smart Cards

Biometric Readers

Controllers and Door Locks

Entry Barriers like Turnstiles

Flap Barriers

Swing Gates

## Security Solutions

The need to secure physical infrastructure from external threats has always been a major challenge for enterprises. With threats like fire, identity thefts and terrorism is to employ scalable solutions with regular upgradation of the technology. Therefore, we offer flexible, cost-effective and complete end-to-end security solutions to leading corporate houses, industries such as oil refineries and defence establishments. We offer diverse security product & solutions which includes perimeter fencing, X-ray baggage scanners, biometrics and access control systems, road blockers, ANPR, etc. Our offerings include consultancy, planning, deployment, integration, audit and analysis of security architecture. CMS's strength has always been after-sales support (24 X 7) and our customers speak value for us which gets extended to oil & gas, banking, PSUs, government and manufacturing.

Features

Identity management

System Integration

Deployment Services

Video surveillance

Biometric Security

Building management solutions (BMS)

Fire solutions

Design & estimation, consultancy & turnkey installation

## Workforce Management Solutions

UNO is a comprehensive enterprise suite of modules that helps organizations of all sizes manage their workforce activities available in the campus. The suite when combined with CMS's access control and time data collection devices turns into a control in your hands.

Features

Single Window Interface: Each module in UNO is seamlessly integrated in one suite with a common interface using a single window to unnecessary hassles and duplication of work.

Employee Self Service: Application is accessible directly by the employees and validated by proper credentials. The p

Real time data: The data is made available to everyone from top managers to the lowest cadre of employees within  
nd easy to generate reports and analytics.

Flexibility: Provision to create roles for security in charge, manager, supervisor, IR, HR, management, etc.

Connect

If you want to know more about the solutions offered by Our  
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Please contact our business unit representative at:

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