



# CSE SCOOP

FIRST AMONG EQUALS



DEPARTMENT OF  
COMPUTER SCIENCE  
& ENGINEERING

# ABOUT JECRC FOUNDATION



Education is the foundation upon which a progressive nation stands and its citizens, made responsible by that education, are the building blocks of that foundation. JECRC Foundation, since its inception over a decade ago, has taken over the mission of nurturing students with the establishment of engineering colleges in Jaipur.

JECRC Foundation is ascribed as one of the leading educational groups in North India with institutes for engineering, management and pure & applied sciences. These are :-

Jaipur Engineering College & Research Centre (JECRC)

JECRC UDML College of Engineering (JECRC UDML)

JECRC University

The institutions of JECRC Foundation are amongst the top engineering colleges in Jaipur and currently have over 5000 students enrolled across various disciplines. Today, JECRC has earned respect as one of the most preferred engineering colleges in India as clearly represented by the RPET and AIEEE admission trends, year after year.

The Foundation encourages all-round personality development through extra-curricular activities and competitive events.

# CONTENTS

## Inside

---

1. Director's Desk.....	4
2. Principal's Desk.....	5
3. Program Co-ordinator's Desk.....	6
4. Vision & Mission.....	7
5. Program Outcomes.....	8
6. Ren'17 CSE Tech Events.....	9
7. Social Face of JECRC.....	16
8. Workshops.....	21
9. Industrial Visits.....	24
10. Student Corner.....	26
11. Faculty Corner.....	33
12. Spiritual Research Center.....	38
13. Tedx JECRC.....	42
14. Model United Nations'17.....	44
15. Our Alumni.....	45
16. Sports.....	47
17. Technical Article.....	49
18. Placement cell.....	50
19. Jaunty Roads.....	51
20. Faculty Members.....	53
21. Behind SCOOP.....	57
22. Smart INDIA Hackathon'17.....	58
23. Exclusive Academic Award.....	59



# DIRECTOR'S DESK

Pedagogy is the process of facilitating learning, or the acquisition of knowledge, skills, values, beliefs, and habits. JECRC has been working upon enhancing and imparting outcome based knowledge to the students keeping in mind the holistic development. Here, the students are moulded and motivated to participate in eclectic mixture of curricular activities.

The commendable initiative of CSE Program of inking the newsletter will help the people around to fathom the information about the various activities and events taking place in the Department as well as the College. Our teachers are progressively incorporating innovative teaching strategies to equip every learner with contemporary knowledge and skills reflected in the soul of this magazine.

Moreover, I am ostensibly proud of the faculty members and other staff members for putting their heart and soul in the name and fame of this prestigious institute and I feel a sense of jubilance seeing the students going out of their inhibition and indulging themselves in the various arenas other than the campus placements and activities.

I welcome prospective students to experience an amalgamation of creative learning matched with a vast array of co-curricular and professional prospects.  
Best wishes!

**Mr. Arpit Agarwal**  
Director, JECRC

# PRINCIPAL'S DESK



Engineers are the wealth of the nation and excellence in all disciplines is the present requirement of the country for its sustained economic growth to compete globally.

Nearly seventeen years ago, the founders of JECRC embarked on a journey to educate and nurture the finest engineers. It gives me immense pleasure that Computer Science & Engineering Program is putting their effort to publish the departmental magazine.

The faculty and technical staff members are committed to cater professional as well as research driven expertise to the students and accordingly the teaching-learning process is tuned so as to fulfill their career growth in the prevalent changing technology. Computer Science & Engineering Program in particular has resulted in growth and penetration of students in varied dimensions be it industrialists, entrepreneurs, innovators, educationists or even as sports person and bureaucrats etc.

With the support of qualified, dedicated and hardworking faculty, the institute has achieved enviable ranking in a short span and I have no doubts that with this pace, our institute will relentlessly march ahead of other eminent institutes at the national level. Let's give our best and make this institution a modern temple of outcome based learning through our diligence, devotion and dedication. Wishing you all the best!

**Dr. V.K. Chandna**  
Principal, JECRC



# PROGRAM CO-ORDINATOR'S DESK

Computer Science & Engineering Program operates in a sprawling environment with the state of art facilities and highly qualified faculty. Perhaps even more important is our unceasing commitment towards the students, helping them to learn, grow, develop, and achieve their goals in the territory. The department's graduate programs continue to draw from a very strong application pool and ever since the institute has established the Computer Science & Engineering Program has evolved incredibly.

The Program strives to provide a conducive environment for the students to develop analytical and practical skills and apply them to real world problems. To motivate the students, the department organizes regular state of art training, arranges workshop, national & international conferences.

When I heard about the upcoming magazine initiative by the students I was overwhelmed by the efforts and interest shown by them and was inquisitive to assist them by providing all the necessary resources. The magazine 'SCOOP' basically tells you about the feats achieved by our department as well as keeping people updated about the hustle and bustle of the CSE wing.

Good wishes to all the students and faculty members!

**Ms. Neelam Chaplot**  
Program Co-ordinator, CSE

# Program's Vision



1. To become renowned Centre of excellence in Computer Science & Engineering.
2. To make competent engineers & professionals with high ethical values prepared for lifelong learning.



# Program's Mission

1. To impart outcome based education for emerging technologies in the field of computer science and engineering.
2. To provide opportunities for interaction between academia and industry.
3. To provide platform for lifelong learning by accepting the change in technologies.
4. To develop aptitude of fulfilling social responsibilities.

# Program Outcomes

- 1. Engineering knowledge:** Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- 2. Problem analysis:** Identify, formulate, research literature, and analyze complex engineering problems reaching substantiated conclusions using different engineering principles.
- 3. Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs .
- 4. Conduct investigations of complex problems:** Use research-based knowledge and research methods to provide valid conclusions.
- 5. Modern tool usage:** Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction to complex engineering activities with an understanding of the limitations.
- 6. The engineer and society:** Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- 7. Environment and sustainability:** Understand the impact of the professional engineering solutions in societal and environmental contexts and need for sustainable development.
- 8. Ethics:** Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- 9. Individual and team work:** Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- 10. Communication:** Communicate effectively on complex engineering activities with the engineering community and with society at large.
- 11. Project management and finance:** Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team.
- 12. Life-long learning:** Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the context of technological change.



# RENAISSANCE 17

*A National Level Techno Cultural Fest*



## CSE TECHNICAL EVENTS



JECRC™  
UNIVERSITY  
BUILD YOUR WORLD

JECRC™  
JAIPUR ENGINEERING COLLEGE  
AND RESEARCH CENTRE

JECRC  
UDML  
College of Engineering

#MYRENAISSANCE MYPRIDE

# EVENTS



## Reverse Engineering

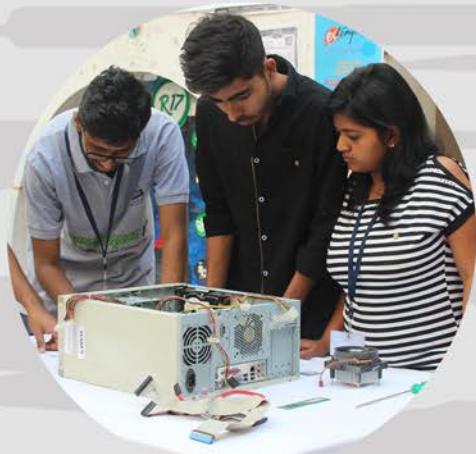
Bind it up!

For the first time in JECRC, a unique competition was organised for students to display and enhance their skills in PC assembling with great precision and speed.

Participants had to demonstrate their ability to follow instructions to put together a PC using the right components and tools until the system booted successfully. Two participants per team were allowed where the team had to assemble the computer from the available components.

Team with the least time for assembling were awarded the prize. Among the tough competition the team which emerged as the winner was :-

1st prize- Yash Khandelwal  
Dinesh Jat



#MYRENAISSANCE MYPRIDE

# EVENTS



## New Venture

NEW VENTURE is the annual Business Plan competition organized by the E-Cell of JECRC. The event which took place on 11th of March looked for ideas that bridge the divide between needs and the marketplace.

The event was open for all, be it students, professionals or founders. Individual participation was also entertained. Participants were required to register and submit a b-plan online. The selected ideas were then presented in round 2, in front of the investors.

The future entrepreneurs came up with innovative ideas and the following were awarded as winners :-

1st prize- **Kanish Sogani**  
**Yash Modani**  
**Harshit Jain**  
**Aryan Jain**



#MYRENAISSANCE MYPRIDE

# EVENTS

## Just C



Just C was an event based on C programming language. The event provided a platform to the students to test and enhance their programming skills.

It was conducted by HackerEarth (an online competitive platform). The 1st round consisted of multiple choice questions with the time duration of 45 mins. The shortlisted candidates of this round were eligible for Round 2, consisting of coding questions only. Candidates completing the task in minimum time were awarded.

The event received a magnanimous and positive response by the students and the winners emerged from the tough competition were as follows:-

1st prize- Ankush Goyal  
2nd prize- Aditya Agarwal



#MYRENAISSANCE MYPRIDE

# EVENTS



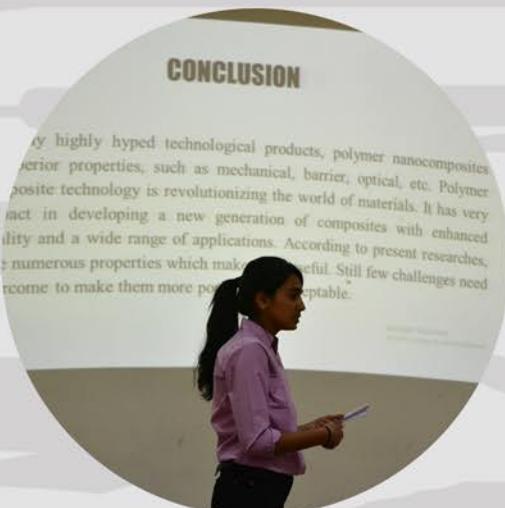
## Embryo'17

EMBRYO – A National level paper presentation contest was held on 8th March, where different scientific and technical researches ignited with innovative ideas meet under the same shed. A mode of enhancing the doors to explore different technologies flavoured with the stage skills of individual giving them an opportunity to grow and help bring out professionalism. The first stage involved submitting paper (IEEE format) of about 500 words.

Entries shortlisted were called to present their paper in the final round. The papers were judged on the basis of their innovation, in depth knowledge of the field and presentation skills.

The winners of the event were :-

1st prize- **Neetesh Vashisht**  
**Shiv Kumar**  
2nd prize- **Saurabh Barthwal**  
**Piyush Meghnani**



#MYRENAISSANCE MYPRIDE

# EVENTS

## Java Let's



JAVA LET'S was organized on 11th of March, the competition tested the student's ability to code in java.

The first round consisted of MCQs which had to be solved within a time limit of 20 minutes. The students who were shortlisted had to give an online contest which tested their skill and proficiency in Java.

The team consisted of 2 members. The event witnessed mass participation of coding enthusiasts who were willing to flaunt their expertise and techniques.

The winners of the event were :-

1st prize- **Pawan Manglani**  
**Piyush Menghani**  
2nd prize- **Priya Mishra**  
**Yash Wardhan**



#MYRENAISSANCE MYPRIDE

# EVENTS

## Enlightenment



Enlightenment - Exploring the self through Meditation. Spiritual Research Cell is a novel initiative to uplift the virtues and to build up the moral muscle of the 'to-be' engineers. It is the perfect place to nurture the inner self with power of meditation. 'Enlightenment' was a three hour workshop specially designed for young explorers who embark on journey of self-discovery. This journey helped to create path ways for the students into a future rich with happiness and success.

In this exciting 3-hr workshop students got a chance to:

1. Clarify their understanding on Meditation.
2. Get familiar through Audio-Visual Meditation.
3. Experience live Meditation Session.
4. Rejuvenate through pat therapy.
5. Be a lucky winner to know their Bio-age through Karda scan & live demonstration of Human Aura Scanning and its analysis.
6. Involve in activity to experience 'Thought Power'.



# Social Face

of

## JECRC

Mashayein  
Ek Abhiyaan...



Zarurat  
celebrating innocence



UHASINI  
Save the Smile of Girl Child

# Aashayein

The Life Saviours

This club is managed and run by JECRCians.

This club has following Objectives:-

1. Blood donation
2. Visit to Old Age Home
3. Tree Plantation



This is the first club of Rajasthan in which students of the JECRC are available 24x7, 365 days, to donate blood in Jaipur. Their main motive is to help the poor and needy at the critical times.

23 February, 2017 was a memorable day for Aashayein-The Life Saviours and all its awe inspiring donors, as the heartwarming event of "felicitation ceremony" was conducted in the esteemed presence of enlivening personalities Padma Bhushan awardee Dr. D.R. Mehta, founder Bhagwaan Mahaveer Viklang Sahayta Samiti and Sh. Devendra Jhajharia, Gold Medalist Paralympics 2004 & 2016. The occasion was also graced by the doctors and other dignitaries.



# Soch

Kuch kar dikhane ki

JECRC Foundation has always shown keen interest in social activities. SOCH is a social initiative by JECRC. It is all about helping others and making others do the same. As the name itself means a new and innovative idea that is aimed at encouraging a process of active thinking among people regarding their actions, reactions and digressions from the basic concept of humanity.

SOCH conduct various events in college such as:-

1. Health Check-up Camps
  - Dental Check-up Camp
  - Eye Check-up Camp
  - Spectacles Distribution Camp
2. Vastra Saman (Old Age Home Visit)
3. Cleanliness Drive
4. No Food Wastage Campaign
5. Orphanage Children Interactive program



# Suhasini

Save the smile of Girl Child

The SUHASINI is a social group of college founded 2 years ago. The group basically works for the upliftment of girls in the society with the noble cause of **“Beti bachao, Beti padhao”**.



## THE REGULAR HARDWORK AT GONER

Team started to contribute their hard work in goner from 25th September 2016 by creating awareness through door to door visits and education campaign.

The word REGULAR has real significance here as because of this hard work and dedication team have received following achievements-

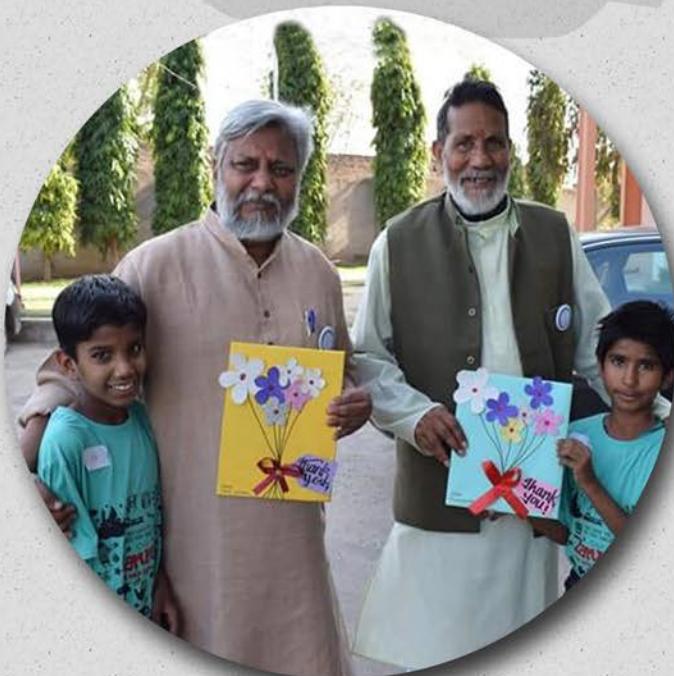
- Admissions - 12 girls started going to schools.
- Hike in the admission process and regularity was seen after this initiative.

# Zarurat

The help beyond

It is a social service group of Jaipur Engineering College and Research Center, working from last 6 years to serve the underprivileged kids and providing them quality education. Besides the academics, they organize various activities for kids like art & craft sessions, sports session, dance and computer classes.

In March there is an annual event "Zarurat - Celebrating Innocence" which is organized for the kids of Zarurat and also various other NGOs from Jaipur are invited too. The event witnesses a gathering of more than 350 kids and more than 1000 college students. It is a daylong fest which includes various activities for the kids and in the end we give them goodies to bid them a goodbye with wish to see them next year.



# Workshops

## Drupal Workshop

On 10 September 2016, Department of Computer Science organized one day open source workshop on Drupal. The workshop was inaugurated by Mr. Michael Canon, Chief Operating Officer Axelarant Technologies, Inc., Atlanta, US and Mr. Nathan Roach Content Marketing Associate Axelarant Technologies, Inc., Atlanta, US.



Both the chief guest set their perspectives, their basic desire was to predominantly discuss about open source technologies and Michael Canon urged students to come up with open hands in making their career. On the other hand Mr. Nathan Roach called the open source content as kingmaker and he emphasized to publish the work related to the projects. Both of the expertise demonstrated that by installing the open source software one can develop platform for the settlement of the life carrier. In this way its significance cannot be ignored. In this workshop there were 85 participants out of which 10 are from Drupal.

Both the guests visited JECRC Campus. The guests manifested their happiness and pleasure and retorted that they feel honored to be in JECRC, where scholars involves themselves in various fields.

Our respected Principal Dr. Vinay Kumar Chandna expressed his feelings of gratitude to all the participants, chief guests, and the organizing members for their contribution to make the conference and workshop a great success. Further he proceeded that there would be many more seminars and workshops organized in near future.

## NITTTR Workshop

In lieu of conducting such workshops, CSE department keep organising ICT based STC workshops such as "OPEN SOURCE TECHNOLOGIES", "Cloud Computing", etc. powered by NITTTR where CSE faculty members get platform to enhance their knowledge-base. Such workshops aims at training teachers on different emerging technologies and helps them to stay updated and provide them an extra edge.



# Big Data Workshop

Computer science department organized a workshop on Big Data where Mr Vimal Daga (chief technical officer) who is associated with the company Linux World Information Pvt Ltd. The event was a humongous success with about 70 undergraduates participating. The basic outcome of the workshop was that the technical cannot be handled with traditional method they needs updations .by dedicated interactive session on big data the workshop contributed in enrichment of technical knowledge of students.



# Industrial Visits

## Jaipur Metro visit

CSE department organized a visit to metro for our scholars for their erudition. There were around 40 undergraduates along with 4 faculty member including

1. Pulkit Mathur (DGM)
2. Arun (Chief Controller OCC)
3. Ashish Yadav (JEN)
4. Munesh Meena (JEN)

The students learnt about the software and the working of metro. It was a great learning experience for the students.



# Technical Stopover at elnfochips

Another successful industrial visit for 3rd year students to an IT cum Core Company, elnfochip Pvt. Ltd, Ahmedabad founded in 1994 from Feb 19th-20th, 2017. The students could fathom the IoT cloud live process.

During this two days visit, students got a chance to visit several prominent places along with the industry thus making it to a perfect end with lots of sophistication and pleasure.



## Overview of the visit @ elnfochips

At the industry, students were given some practical demonstrations about the various services of the company. These include:

1. Product Engineering Services.
2. Software Engineering.
3. Silicon Engineering.
4. Embedded Systems.





# STUDENT CORNER

# Achievements



JECRC produces as many entrepreneurs as engineers. And one such business initiative is "**Booksclues**". Booksclues is a business idea by Aman Vijay, Aniket Dixit, Aman Vijay, Gagan Goyal of 2nd year CSE, which is currently in infant stage but has proven out to be one of the most helpful startup for students. Currently active in Jaipur and Gwalior Bookclues provides students with easy buy and sell option for engineering books. According to the developing team their motto is "now books are one tap away". A promising venture in itself, Bookclues seems to have a bright future ahead.



Innovation distinguishes between a leader and a follower and JECRC had a long history of generating leaders. One such example is **Palkesh Jain** 4th year CSE, who is the co-founder of 'Amogue', an online shopping platform based on AI. He has won the third position for the B-plan competition, "Fast forward" and was also shortlisted for numerous other renowned competitions like Amrita TBI, pitch off etc. For people who find it hard to figure out and get confused as to what should they purchase and miss the act of dressing, this application filters out and generate various looks and combinations on which a user can stumble upon and get various dressing suggestions.



HERE we again feel overwhelmed to announce another name that is **Deepshikha Khandelwal**, who in the beginning used to escape from programming languages but eventually found herself off track and was losing all hopes from this haunting field. But somehow she stood up, resumed herself and decided to walk into the world of technologies and everyday she came across with astonishing facts which ultimately developed her interest in various emerging technologies, slowly she started working over linux platform in 3rd year and managed to clear three of the major global certifications provided by Redhat i.e RHCSA(Certified System Administrator), RHCE(Red Hat Certified Engineer), OpenStack. These 4 years of roller coaster ride taught her a lot and finally here she brings herself as a RHCE, as a photographer and has put a step forward towards her goals!



The purpose of science is to interpret knowledge. **Piyush Meghnani , Saurabh Barthwal and Shubham Bansal** has published research paper entitled "An extreme helping hand for Handicap people using computer vision" for the JEEE 2nd International conference On Recent Advances and Innovations in Engineering 2016. Piyush Meghnani and Saurabh Barthawal have also published research paper titled "An advance System for Emergency vehicle based on M2M Communication" for IEEE 11th International Conference on Intelligent Systems and Control (ISCO) 2017. Their work in the field of applied science is commendable since it created a platform for those who need it most.



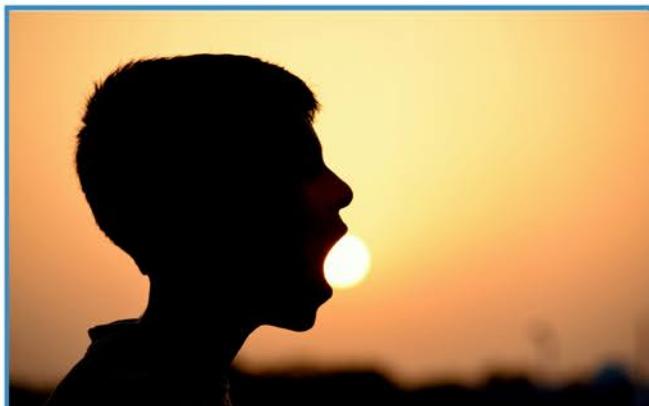
JECRC has had a record of outstanding achievements by students for the past decade and the legacy is continued by the alumni as well as the students of the institute this year too. Let's look over to few of the many commendable achievements.

**Ms Chavvi Inani** of 4th year has added another feather in the cap of JECRC by successfully gaining admission at the University of Oxford, Oxford. JECRC is very proud to announce her achievement .The Ivy League university is one of the most coveted educational institutes. Ms Inani has been offered position for the Undergraduate Advanced Diploma in IT System Analysis and Design. She has already cleared the extremely competitive admission rounds and started the one year. We congratulate her on her success and wish her luck for her future.



**Ayush Goyal**, an aspiring engineer, holds interests in Linux, photography, poetry, reading and writing. His never ending thirst for knowledge helped him achieve global certifications like RHCSA and RHCE, RHCE being considered the most arduous exam in linux platform. Not only does he excel in academics, he excels in photography too. He is a winner of state level photography competition organized by NIIT-Neemrana in Feb-2015. He knows no strictures for his interests, this is evident by the fact that he has his own photography club named "CanikonS". Apart from being a techno-geek, a photographer and a reader, Ayush is also an active writer on quora, a question-answer community, where his answers have got more than 28,700 views till date. He also owns a blog, [www.cogitatedwriter.blogspot.in](http://www.cogitatedwriter.blogspot.in), where he posts about photography, technology, books, music and much more. These achievements reveal nothing but the dedication and efforts which have been put up consistently in the making of a diverse engineer.

# Miscellaneous



Aniruddh Sharma (III year)

i am the little bird  
born to fly  
in the mighty sky  
high and high'..  
the story of mine is unheard  
i am the little bird  
i have a heart  
that makes me fly  
to reach the ocean  
where my friend lie;  
the one that makes me smile  
even in the days fragile.  
we fly high and high  
with no envy.  
i am the little bird;  
when i will fly above the ocean  
i will let my eyes dry.  
i will fly ;high and high  
because he can't watch me cry.

-Abhidha Vatsa (III year)

1. सुख दुख आपस मे हम मलिकर जताते है(गाँव में) खुसीयो की बातें और मुस्कुराहट फैलते है, तेर शहर में मयूयत को कोई कंधा नहीं देता, मेरे गाँव में लोग छप्पर भी मलिकर उठाते है.....
2. हर एक बौना मेरे कद को नापता है यहाँ, सारे शहर से उलझु ये मेरी ईलाही भी क्या, वक्त किएक तमाचे की देर है प्यारे मेरी फ़क़ीरी भी क्या और तेरी बदशाही भी क्या.....

3. रख हैसला ऐ बन्दे ये मंजर फरि आएगा , प्यासे के पास चलकर खुद समंदर भी आएगा,  
थक कर ना बैठ ऐ मुसाफरि एक बार फरि कौशसि कर मंजलि भी मलिंगी और मलिने का मजा भी आएगा.....

4. ये अनमोल पल कुछ सालो बाद याद आयेगे । सारे दोस्त जब अपने मुकाम को पायेगें, तनहाई मे ये लम्हे बहुत याद आयेगे ।  
पैसा, सोहरत तो होंगे सबके पास पर ये पल कभी लौट कर नहीं आयेगे ।.....

-Gopal Kumar Jha (IV year)



Aniruddh Sharma (III year)

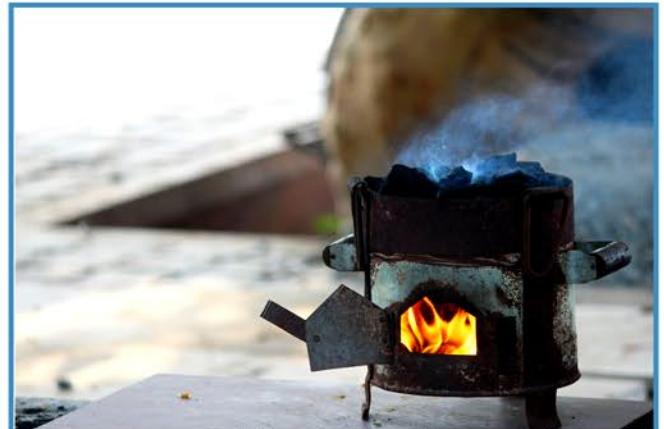
## Hatred Bound

A question which I always think about,  
Why is it hatred to which I am bound,  
What crime did I commit?  
What were the sins I did?  
For which I was punished so hard,  
Emotionally bruised and scarred,  
I did care, cared a lot about others,  
I helped everyone and their problems  
did smother,  
I remained as selfless as I could be,  
Smiles were all that I wanted to see,  
I couldn't understand when things took  
the wrong turn,  
I became everyone's subject of concern,  
Remarks and comments became a daily treat,  
I went all away, I turned discreet,  
I couldn't figure out the reason this happened,  
But it gave a blow to my confidence,  
I was shattered,  
It took me time but I realised,  
This world is mean and will always criticise,  
We need to learn to survive in here,  
As many people out are ready to smear,  
Now, I don't give in my everything,  
Help and care doesn't come from within,  
I have changed, for good or bad, I don't know,  
But the love and affection I showered earlier,  
is nowhere to be shown.

-Ishanvi Modi(III Year)

When i first opened my eyes,i was in the arms of my mother, whose touch was giving me a sense of love & it was telling me that i am not alone in this world.in our daily routine what we do? we are roaming here and there for our daily needs, in search of work,in search of knowledge and many other things. with these goals how anyone can anybody be alone? with all energy and momentum we are working regularly how can we be alone? nobody can be alone not for a single second, our reflection is with us all the time. our breathe , our soul is with us all the time. the thinking that silence may lead us to loneliness, can't be true. because we are not leaving ourselves alone. relationships,mind,work & soul these things are not leaving us. we are always in the care , guidance of the almighty omnipresent God. God is everywhere . If we treat everything as a creation by God we won't feel alone. God created the world for filling the blanks of our core.

-Abhidha Vatsa(III Year)



Aniruddh Sharma(III Year)



Ayush Goyal (IV Year)



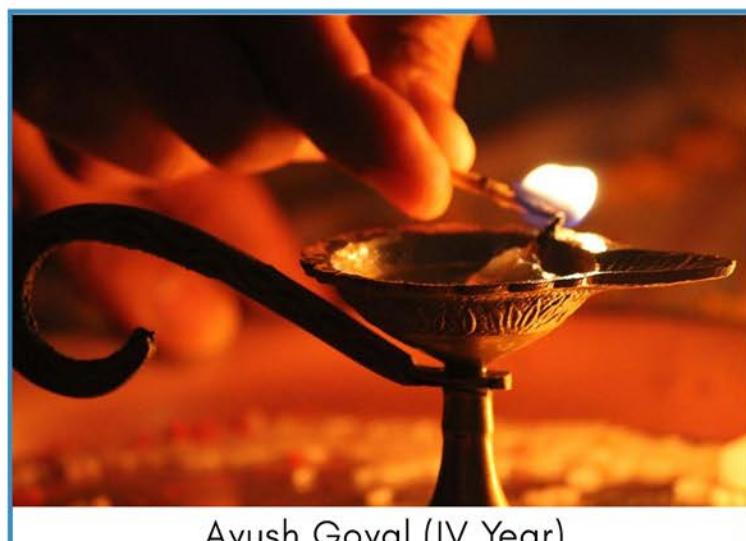
Palak Baid (IV Year)



Palak Baid (IV Year)



Ayush Goyal (IV Year)



Ayush Goyal (IV Year)



Prachi (I Year)



# Faculty Corner

# Achievements



*CSE talent has been floating not only amongst students but also within faculty members. Here is a small write up for our respected Professor Dr. Vijay Singh Rathore.*

**Prof Vijay Singh Rathore** (PhD(Computer Science), MCA, MTech(CS), MBA, ICAD-USA, ICDA-USA, Diplomas in French & German) is an active academician involved in rampant generation of ideas in various dimensions of education and research for the better development of the society .He is presently the Chairman of CSI (Computer Society of India) Jaipur Chapter and also a Registered Supervisor of Ph.D. (CSE/IT/MCA) in Rajasthan Technical University, and in GyanVihar University (Jaipur), Poornima University, IIS University, Jaipur . He has been doing research in the areas of internet security, cloud computing, Big Data, and IoT and has participated in many national & international conferences.

Apart from this he successfully fought for the eligibility of MCA/MSc + MTech/Phd holders as faculty members in engineering colleges. AICTE issued befitting amendments in the norms on 10 June 2016.

He recently represented JECRC at World Conference WS4 at London, UK, International Conference ICICT 2016 at Bangkok, Thailand, and also led the delegation to University of Amsterdam, Netherlands for discussion on academic and research collaborations of JECRC University with University of Amsterdam adding on to the institute's prestigious columns. For his significant contribution towards quality technical education WS4 (London, UK) bestowed him "The Award of Appreciation 2017".

Professor's unreckonable awards and tags make him a gem of CSE department's throne .Few of his awards and achievements are enumerated below:-

- \* "The Significant Contribution Award 2016" and "Active Participation Youth Award 2016" under CSI Service Awards at Coimbatore
- \* "Award of Prominent Academician in ICT Excellence 2016" by ACM at Bangkok, Thailand.
- \* "Shiksha Bhushan Award 2009" by the then Governor of Gujarat Sh. Nawal Kishore Sharma for the initiation of HELP (Holistic Education Learning Process).
- \* Research Papers: (Total 78 Papers, 18 National, 60 International)

(Includes Springer, Elsevier, IEEE, etc. indexed with Scopus, Google, and Thompson Reuters etc.)

- \* Books Written: 10 Books on some subjects of CSE, IT and Management.

- \* Two Patents filed for SMILE for FOBIA

**We wish him all the luck for his further achievements!**

# Miscellaneous

## ISRO **Consequence of launching 104 satellites**

In June 2014, Russian Space Agency held a record of launching 37 satellites in a single mission. Success is the result of perfection, hard work, learning from failure, loyalty and persistence. Yes, the Indian Space Research Organization created an astonishing history on 15th February 2017 by launching 104 satellites on the Polar Satellite Launch Vehicle (PSLV) in a single mission from the Satish Dhawan Space Centre in Sriharikota. The whole flight of the PSLV-C37 rocket took nearly 29 minutes. Regular PSLV carries one or two satellites in 25 minutes.



Out of the total 104 satellites placed in orbit, 101 satellites belonged to six foreign countries. They included 96 from the US and one each from Israel, UAE, Netherlands, Switzerland and Kazakhstan. Apart from 101 foreign satellites, there are three indigenous satellites, Cartosat-2 and its two "technology demonstration" nano-satellites (INS-1 and 2). Cartosat-2 is an Earth Observation satellite, which is useful in cartographic applications, urban and rural applications, coastal land use and regulation, utility management like road network monitoring, water distribution, creation of land use maps, precision study, change detection to bring out geographical and man-made features and various other Land Information System (LIS) and Geographical Information System (GIS) applications. INS-1 and 2 are useful for remote sensing.

The impact of this record breaking satellite launching would liberalize the use of satellite services in India. There are no flexible laws in India, which allows the use of the services of private satellites. After this launch, the government of India is ready to clear the application of the first private satellite in India. The government's demonetization decision and its push for digitization may work in favor of letting private satellites offer such services.

## **"Plan and Schedule to Achieve Your Research Milestones"**

**RAJAN JHA**

Assistant Professor, Department of CSE, JECRC

**JEBA NEGA CHELTHA C**

Assistant Professor, Department of CSE, JECRC



# Spiritual Research Cell

A joint venture of JECRC & DST  
powered by Department of Computer Science



"Meditation is the best way to channelize our energy towards something positive and peaceful. "We at JECRC have come up with a noble initiative called Spiritual Research Cell wherein all the faculty members as well as all the students can meditate and channelize their energy and release their stress .

In this fast pacing world where human beings are racing to keep pace with the new technology, there is prevailing unawareness about self & the Supreme Power. It is a pious space created to meditate & rejuvenate the relationship with self. It has a sound proof '**Meditation Room**' developed as silence zone for meditation and silent contemplation. It also includes '**Spiritual Library**' with a collection of bestselling spiritual & inspirational books. Regular classes on meditation are conducted in '**Wisdom Hall**' which is designed as a smart classroom. A '**Research Laboratory**' for conducting research on meditation is equipped with facilities of EEG, EMG, KaradaScan & health monitoring devices.



# \*Team Spiritual Research Cell\*

**Mr. Mukesh Agarwal**

Project Principal Investigator

**Dr. Ekta Menghani**

Co-Project Principal Investigator

**Mr. Ranjeet Pandey**

Co-Project Principal Investigator

**Ms. Chitra Khandelwal**

Junior Research Fellow

**Ms. Aakanksha Desai**

Junior Research Fellow



## What do we do?

### In the field of Research:

The Department of Science & Technology-CSRI, Govt. of India has sponsored a research titled, 'Validation & Scientific basis of meditation & omnics to cure diseases & their role as therapeutic targets', with a grant of Rs. 42.6 lakhs. In this research, pilot study on the effects of Rajyoga Meditation on diabetes & hypertension is under process. Other than this, the effect of meditation on health, overall well-being and brain waves is also covered under this research spectrum.

## For Students:

Youth are capable of inducing any kind of change when their energy is channelized. Students to realize their capabilities a course on '**Values & Spirituality**' is initiated. Classes of this course run every Wednesday for morning shift students & Thursday for afternoon shift. We during our annual techno-cultural fest Renaissance 2017, conduct workshops on meditation & its research opportunities which is attended by students from different colleges as well. Students also have the access to read books in Spiritual library.

## For Faculty Members:

Teachers lay the foundation of learning in the lives of engineering graduates. Every morning one hour session is conducted for the faculty. This session includes three components, meditation concept, pat therapy & experiencing meditation.





**TEDxJECRC**  
x = independently organized TED event

# "DISCOVERING SOCIETY"

25<sup>th</sup> March 2017



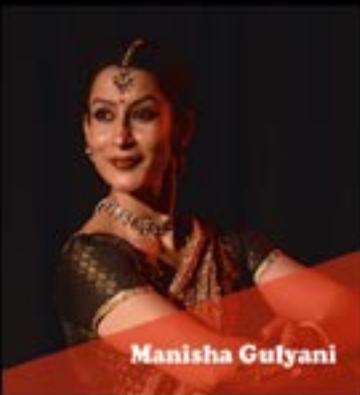
Nitin Mirani



Anuja Kapur



Ritu



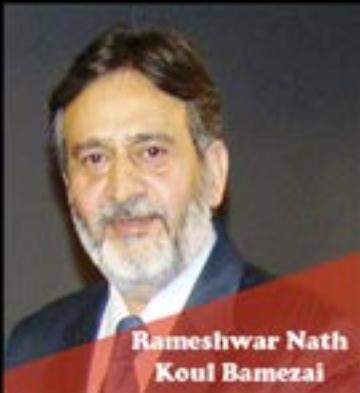
Manisha Gulyani



Ajaita Shah



Nandita Venkatesan



Rameshwar Nath  
Koul Bamezai



Nina Nayak



Paresh Gupta



Reena Puri

Phone: +91 861 919 2302

Facebook: @tedxjecrc

Email: [tedxjecrc@jecrc.ac.in](mailto:tedxjecrc@jecrc.ac.in)

Website: [www.tedxjecrc.com](http://www.tedxjecrc.com)

**ABOUT TED-** TED is a non-profit organisation devoted to Ideas worth Spreading. Started as a four-day conference in California 30 years ago, TED has grown to support its mission with multiple initiatives. The two annual TED Conferences invite the world's leading thinkers and doers to speak for 18 minutes or less. Many of these talks are then made available, free, at TED.com.

**ABOUT TEDx-** x = independently organised event. In the spirit of ideas worth spreading, TEDx is a program of local, self-organized events that brings people together to share a TED-like experience. At a TEDx event, TED Talks video and live speakers combine to spark deep discussion and connection.

**ABOUT TEDx JECRC** (25th March 2017, Auditorium A-Block)- TEDx JECRC is one of its kind events which was organised in JECRC, by a team of passionate engineering students. The event hosted speakers from peculiar verses of society which range from comedy to fashion to global issues. Their aim was to bring the IDEAS WORTH SPREADING to the handpicked intellectual students of JECRC.



TEDx JECRC was an unforgettable experience as it allowed having an insight into the topics that are around us all the time, but we tend to ignore it. The event proved to be amazingly successful where 100 participants attended the event. It was a privilege to see all the speakers from different corners of the world. Their talks will have a long lasting impression on all those who were present in the audience.

**-Ms. Mansa (CSE 1st year)**



# JECRC MUN 2017

JECRC MUN being one of the oldest and largest MUN conferences of our country has established a very popular name in the MUN circuit. This year they will be simulating 5 committees wherein they will witness discussions between delegates from across the country and beyond; about the measures of peace and security in the nation and around the world, the rights of refugees and resolve some international conflicts. These 5 committees are : GA-DISEC, SOCHUM, UN-HRC, ICJ, NSC. For the first time, 5 foreign ambassadors from Turkey, Japan, Sri Lanka, France have been appointed for JECRC MUN. This year they are aiming for the highest number of delegates in the history of JECRC MUN.

Delegates from multiple parts of country as well as across border will be participating.

Something worth mentioning is that this year's conference is being headed by two students from our CSE department :-

**Shivansh Ahuja**  
Secretary General  
(First in command)

**Chaitanaya Sethi**  
Director General  
(Second in command)

# OUR ALUMNI

*"You don't realize the importance of something until you have to go away from it"* is an apt quote for the alumni as the memories and lessons associated with the college life gain their importance once you graduate from the institute, when you have no way to relive the moment and you are left with a bag full of memories.

CSE alumni are spectacular examples of success in varied arenas viz. management, administration, start ups etc. For the first edition of CSE magazine we present before you one such high flyer presently working for the Government of India.

"It is such a happy feeling to know that your alma-mater still remembers you and finds you worthy" were the words of Mr. Saurabh Mittal, 2012 batch, when he was informed that his excursion would be published in the very first magazine of CSE Program of JECRC. Such a fervent and exquisite person felt that grief of leaving the fun part of college obfuscate the satisfaction of graduating without much hurdles.



Talking about his job profile he is currently working as the Assistant Section Officer in the 'Pradhan Mantri Swasthya Suraksha Yojna' (PMSSY) division of Ministry of Health and Family Welfare (Govt. of India). As an Assistant Section Officer he needs to maintain the vital link between parliament of India and the central secretariat, especially when it comes to handling of Parliament Question assurance and government bills.

# SPORTS

Whether it is a winning team or an individual the connotation of sporting spirit of CSE Department has always provided platform to all the young aspirants to showcase their talent in sports and athletics.

A positive spirit and winning attitude takes you to the hands of victory which is clearly perceptible by JECRCians. The chess team of our college triumphed the gold medal at IIT Jodhpur, this team consisted Tarang Gupta, Sarabhjot Singh, Yeeshu Dwivedi, Aditya Vardhan and Ayush Aswal.



While most are dreaming of success, winners wake up and work hard to achieve it and we are privileged to have an ample of achievers. The JECRC football team has won the gold medal at RTU tournament, apart from this 4 members of the winning team were also selected for the RTU team. Concurrently, the table tennis boys also bagged the silver medal in RTU tournament.

Recently, Athlon was organized by Sports Club and was inaugurated by Ms. Nirmalash Mathur. It had sporting events including basketball, volley ball, athletics, fun games, carom, arm wrestling and many more.



JECRC has always helped in nurturing talent in both academics and co-curricular activities and CSE department has played an active role to support its students and would continue to do so.

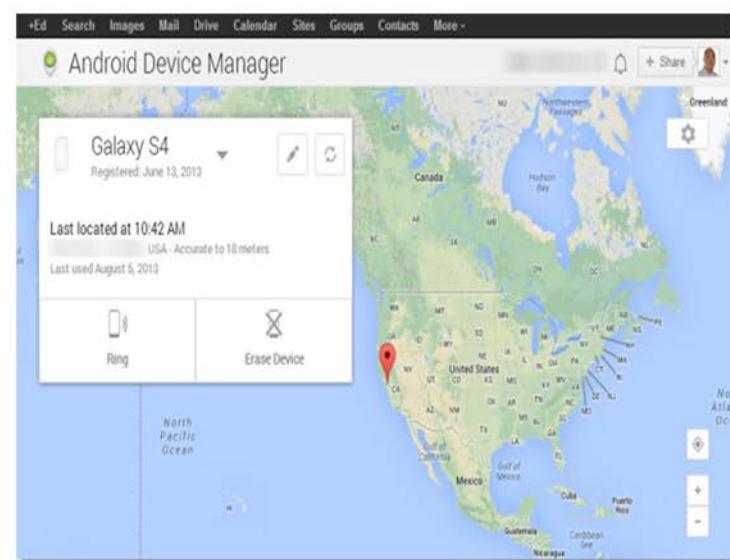


# TECHNICAL ARTICLE

## HOW TO TRACK YOUR LOST ANDROID DEVICE AND CLEAR ITS DATA...!!

### 01 Track your lost Android device with Google's Android Device

Android Device Manager is a Google's official and easy-to-use tool to track your Android phone or tablet. The best thing about it is that you don't need to install an app to be able to track your devices. The only requirement is that your device is connected to your Google account, turned on and connected to the internet. All you need to do is visit the Android Device Manager while being logged into your Google Account. Once the site is loaded it will automatically try to track down your phone. If you have several Android devices registered, make sure the right one is chosen in the dropdown menu. By using the search phrase "where is my phone", Google displays a little map above the search results in which it will try to find your phone. Once found, you can let it ring by clicking on "Ring" at the bottom left. Using ADM, you are able to track your registered Android devices, let your phone ring and wipe your phone's data (which has to be enabled manually).



#### Requirements:

- \* Your device is connected with your Google account.
- \* Your device has access to the internet.
- \* Allowed Android Device Manager (ADM) to locate your device (turned on by default). This can be changed in the Google Settings app.
- \* Allowed ADM to lock your device and erase its data (turned off by default).

# TECHNICAL ARTICLE

## 02 Track it by using IMEI no..!!

The procedure to get back the stolen mobile phone will take some time so you must be patient. First you need to go to the police station in your area and file a FIR. Then take the copy of this FIR and the IMEI number of your phone and contact the service provider of your phone. They will then help you track the mobile phone location. They will also block the mobile phone, making it useless. Once you find it, you can request your service provider to white-list it again. This procedure will work even if the SIM card of the phone is changed because all service providers use the same blacklist database.



## 03 Locate it by some third party apps..!!

### (A) Where's My Droid:-

Where's My Droid is a pure Find my Phone app to help you locate your phone. When your smartphone goes missing, sending a code via text will make the phone ring (even when set in silent mode) while another text code sends you the GPS coordinates of the phone.



### (B) Plan B:-

If you had not install any tracking app before your Android device was stolen or misplaced, Plan B will be a lifesaver. Plan B is an Android app from Lookout Labs which locates your smartphone using cell towers and GPS, then sends the location of your smartphone to your Gmail Inbox.



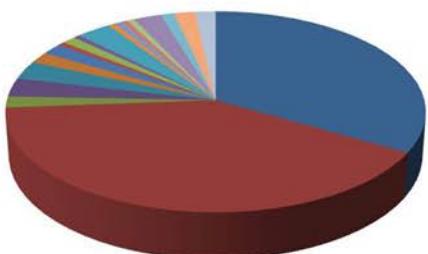
# PLACEMENT CELL

JECRC has always been amongst the top private engineering colleges when it comes to producing the best technically inclined brains with majority of our computer science branch students bagging the best placement offers. There has been a steep rise in the number of students getting placed each year. IT giants such as TCS, Accenture, Capgemini, Genpact and many other renowned companies have successfully recruited our students.

A whopping 170 students from Computer Science branch were placed in the year 2016 and continuing with our legacy of placements, 147 students from CS branch have been placed till now with the placement season still active.

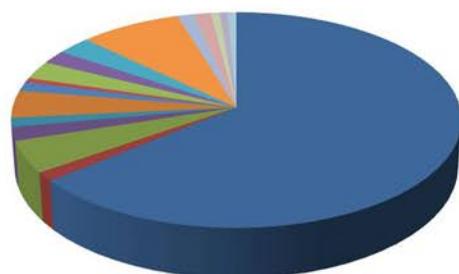
Following is the data of the number of students who got placed in the year 2016 and 2017 respectively.

**Placement Data'16**



- ACCENTURE (56)
- TCS (68)
- CONFIGWARE (3)
- MIND TREE (5)
- THE PHONE SUPPORT (5)
- REBUSCODE (3)
- APP PERFECT (3)
- TATA TECHNOLOGIES LTD (1)
- PERSISTENT SOFTWARE (2)
- FIRST AMERICAN (1)
- JUST DIAL (5)
- GENPACT (1)
- CAPEGEMENI (1)
- HSBC (1)
- Skill Rock Technologies (1)
- BLUECUBES (4)
- TCS Off CAMPUS (2)
- TELEPERFORMANCE (3)
- INFO OBJECTS (3)

**Placement Data'17**



- ACCENTURE (94)
- CAUSE CODE (2)
- MIND TREE (7)
- INTIME TEC (3)
- InfoObjects (2)
- TCS (6)
- First American (2)
- APPIRIO (1)
- SOPRA STERIA (4)
- TECHO COPACETIA (3)
- NEWGEN SOFTWARE (4)
- HP (12)
- BULLS EYE (2)
- JUSTPAY (2)
- TECHFleeters (1)
- OPPO Mobiles (1)
- OFF CAMPUS (1)



# JAUNTY ROADS

अतरिकित  
**GYAN**



**I AM NOT  
LAZY**



**JUST BUFFERING**



**BHAI !!!!  
KL SEM EXAM  
HE**



**AB TO KITAAB  
KHAREEDLE**



**JIO NE TO  
MERI  
ZINDAGI  
BADALDI**





**SIRR!!  
FIR DEBARRED  
HO GAYA**

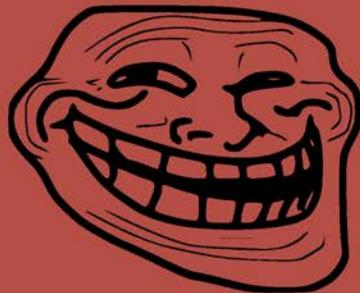


**BACHALO!!**

**70% AGGREGATE  
KARNE KE LIYE  
AB LAST SEM ME**



**LAANE PADENGE  
130%**



**WHEN I DO SOME FAVOR  
TO A FACULTY I AM LIKE...**



**BUS 'VIVA'  
ME YAAD RAKHNA.**



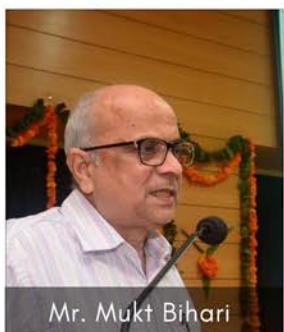
**WANT YOUR PHOTOGRAPH IN THE NEXT EDITION OF  
JAUNTY ROADS ?**

**SIMPLE ! JUST SEND US YOUR REVIEWS AND  
PHOTOGRAPHS ON NEWSLETTER. [CSE@JECRC.AC.IN](mailto:CSE@JECRC.AC.IN),  
THE BEST ONES WOULD EMBRACE JR'S WING**

# Faculty Members



Ms. Neelam Chaplot



Mr. Mukti Bihari



Mr. Mukesh



Dr. Vijay Rathore



Dr. Bhavna Sharma



Mr. Amit Mittal



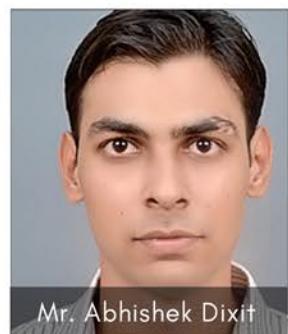
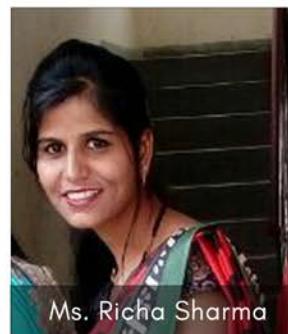
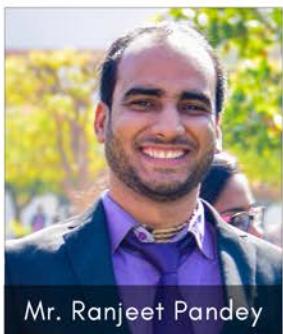
Mr. Gajendra Sharma



Mr. Vatan Mishra



Mr. Prashant Yadav





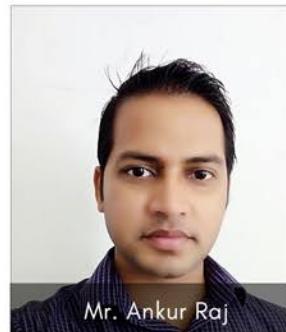
Ms. Richa Upadhyay



Ms. Sarita



Ms. Vijay Lakshmi Sharma



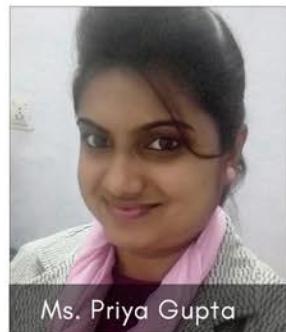
Mr. Ankur Raj



Mr. Shashikant Singh



Ms. Deeksha Mathur



Ms. Priya Gupta



Ms. Geerija Lavaniya



Mr. Mohit Jain



Ms. Kirti Choudhary



Mr. Aashish Ameria



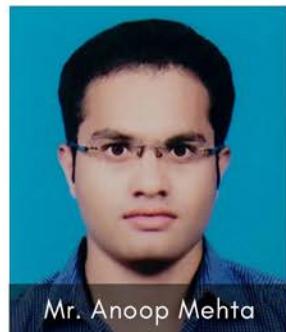
Ms. Saroj Agarwal



Mr. Geet Kalani



Ms. Priyanka Mitra



Mr. Anoop Mehta



Mr. Anshul Mittal



## Our Technical Staff

### Student Testimonials

With a mix of accomplished faculty members and unique & disruptive initiatives, CSE department here at JECRC not only gave me the best of knowledge but learning. The best part about being a student in this department was that all the stakeholders were always there to guide me.



2012-2016

**Aayush Dube**  
Strategic Planning Intern  
Leo Burnett India



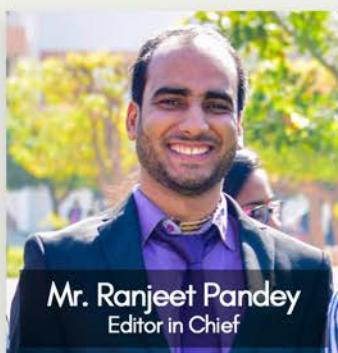
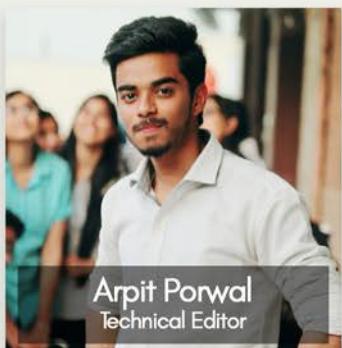
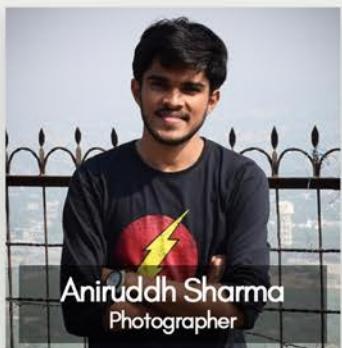
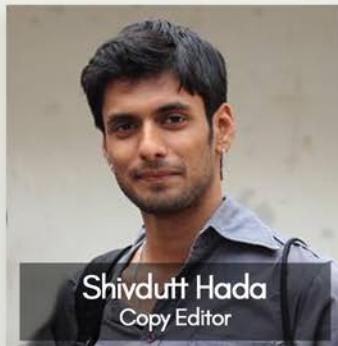
2012-2016

**Cheena Middha**  
Accenture



The CSE department was always a pool of the most talented bunch of students. The faculty members of the department always tried to bring the best out of each and every student. Their career counselling and teaching methodologies have proven to be life changing for most of the students.

# BEHIND SCOOP



# World's Biggest Hackathon

JECRC was one of the nodal centers of the 36 hour non stop digital programming competition – SMART INDIA HACKATHON 2017.



Dr. Bhavna Sharma, Associate Professor was AICTE-SPOC and coordinated along with her team and made our department as well as our college proud by showing tremendous effort in organizing this massive and successful event.

The teams selected from our college were: PRAVAHI, INIT-6, SOCORRO where INIT-6 was among top 8 teams at Amritsar nodal center.



# EXCLUSIVE ACADEMIC AWARD



JECRC has been selected as the BEST ENGINEERING COLLEGE OF THE YEAR 2017. The Award has been conferred in the Inaugural function of Second International Conference on ICT for Intelligent Systems ( ICTIS 2017 ) in concurrent with Global Industry and Academic Excellence Awards Ceremony 2017 at Ahmedabad and was organised by ASSOCHAM in Association with SPRINGER, ACM, CSI & Gujarat Innovation Society.



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## SUMMER INTERNSHIP PROGRAM



- Core Java
- Advance Java
- Java Frameworks
- Java Certifications



- Oracle 11G
- OCA
- OCP



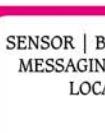
- Php with Mysql
- Advance Php
- Joomla, Drupal
- Wordpress



- Ajax
- Flash
- HTML
- CSS, Java Script



- ASP.NET
- C#.NET
- ADO.NET



SENSOR | BLUETOOTH | TELEPHONY | Wi-Fi  
MESSAGING | MULTIMEDIA | GOOGLE API  
LOCATION SERVICES | E-MAIL



**Android 6.0  
Marshmallow**



Big Data Administration & Developer Level



Python  
High Level  
Programming Language



- Programming C
- Programming C++
- DSA

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