

# ERODE SENGUNTHAR

ENGINEERING COLLEGE
(AUTONOMOUS)



(AUTONOMOUS)

JAPPROVED BY ALCTE, NEW CELHI AND PERMANENTLY AFFILIATED TO ANNA UNIVERSITY, CHENNAL ACCREDITED BY NBA, NEW DELHI, NAAC WITH GRADE "A", JEIJI, KOLKATA & 150 9301 : 2008 CERTIFIED INSTITUTION)

PERUNDURAI, ERODE - 638 057.



151

University Ranks

6

Gold Medals

Counseling Code

2707







#### VISION

Erode Sengunthar Engineering College strives with determination and commitment to provide and promate world-class Technical Education, in particular to the students of backward rural areas, transforming them into halistic personalities embedded with discipline, skill and responsibility that makes them patriotic, successful and self-developed professionals ready to accomplish any job in their career and life.

### MISSION

Provide an idyllic study atmosphere, fine infrastructure, qualified and dedicated faculty and standardized systems for a strong career foundation. Aid and mativate the students and faculty alike for maximum utilization of facilities, making them innovative and creative in thinking and research, in order to provide technical service to industry and society. Develop multi-skilled personalities to make ESEC, a world leader in Technical Education.

## **ABOUT US**

The Erode Sengunthar Educational Trust started this college in the year 1996 for the upliftment of urban and rural youth. The Trust has been associated with various educational Institutions like Higher Secondary Schools, Matric Higher Secondary school etc. The Engineering College has been functioning at Perundural. Erode District, TamilNadu, India. Erode Sengunthar Engineering College is an Autonomous Institution and accredited by NAAC with 'A' Grade, Institute of Engineers (India) and eligible UG Programmes are accredited by National Board of Accreditation (NBA), approved by AICTE and Permanently affiliated to Anna University.



#### **COURSES OFFERED**

#### **UG PROGRAMMES**

- B.E. Civil Engg.
- B.E. Computer Science and Engg.
- B.E. Electrical and Electronics Engg.
- B.E. Electronics and Communication Engg.
- B.E. Robotics and Automation Engg.
- B.E. Mechanical Engg.
- B.E. Blomedical Engg.
- B.E. Agricultural Engg\*
- B. Tech. Chemical Engg.
- B. Tech. Information Technology
- B. Tech. Data Science & Artificial Intelligence Engg\*

#### PG PROGRAMMES

- Master of Computer Applications (MCA)
- Master of Business Administration (MBA)
- M.E. Computer Science and Engg.
- M.E. Environmental Engg.
- M.E. Power Electronics and Drives
- M.E. Applied Electronics
- M.E. Manufacturing Engg.
- M.E. Industrial Safety Engg.
- M. Tech. Chemical Engg.





# "Udyog Rattan" Deivathiru. J. SUDHANANDHEN B.Sc.,

Erode Sengunthar Educational Trust started Erode Sengunthar Engineering College in the year 1996 with a vision of the Founder Correspondent Theiva Thiru. J. Sudhanandhen, to provide world class technical education for the upliftment of urban and rural youth. With his biessings and his ardent desire the college has gone from strength to strength as ESEC has achieved Excellence in getting the Autonomous status. The College strives to reach out to the star of perfection through an earnest academic pursuit for excellence, and its efforts blossom into service through creative and empathetic involvement in the society to transform it.

With the vision of providing engineering education of worldwide standards to rural youth, this institution was started in the year 1996, by the benevolent philanthropists of Erode Sengunthar Educational Trust. The great humanitarian Deivathiru J. Sudhanandhen was the founder correspondent of this portal of knowledge.

We shape the destiny of our students, by equipping them with critical thinking to be self-motivated personalities and also we fine-tune them as responsible citizens.

#### Mr. B. KAMALAMURUGAN

Correspondent, Frode Sengunthar Engineering College & Provident, Brode Sengunthan Educational Trust





We, the management of ESEC, strongly believe in Swami Vivekananda's words on education, "Educate and raise the masses, and thus alone a nation is possible". We also believe, 'Service to the society is service to the God'. Hence ESEC looks beyond academics in generating not merely 'Educated and Employable Youth' to face the future challenges in the technological era, but ensures the innate goodness and humane nature in the young technocrats.

#### Mr. S. N. THANGARAJU Secretary, Erode Sengunthar Educational Toyst

We at ESEC focus on engineering education to keep pace with mighty changes and challenges occurring today in this technological era. Apart from academics we encourage and ensure the development of our students in extracurricular and co-curricular activities to shape them as complete personalities. We endeavor to equip our graduates with global technical knowledge, at the same time, honing their soft skills so that they can best excel in their career. Also, we motivate and facilitate our students for attaining leadership qualities.

#### Dr. V. VENKATACHALAM

Principal, Erode Sengunthar Engineering College





In ESEC, we seek to develop and nurture the different facets of a student. From academic to dance, music, cultural and a variety of sports, we focus on developing both the mental and physical abilities of a student. The activities provide holistic grooming of the students wherein the student is able to expore his true potential.

Mr.5.Senthilkumar Treasurer Erode Sengunthar Educational Trust

The moto of ESEC is to pursue academic excellence and mativate and empower its students to be lifelong learners, critical thinkers and productive members of an ever-changing global society. I believe our students can change the society by empowering themselves holistically in ESEC.







The students of ESEC are offered many opportunities to explore their interests and investigate new ideas. We affer many clubs, activities and sports that our students can participate in. Many of our students are involved in a variety of extracurricular activities that allow them the opportunity to grow at their own place in a safe, nurturing environment.

Thiru.A.Mohanasundaram Vice President Erode Sengunthar Educational Trust

As we embark into the celebration of Silver Jubilee, a milestone of academic excellence and extracurricular performances which has enlarged and enriched ESEC. Our coordination and cooperation provide a safe and intellectually challenging environment that will empower students to become innovative thinkers, creative problem solvers and inspired learners prepared to thrive in 21° centuary.

Thiru.V.Oharmailingam Joint Secretary Erode Sengunthar Educational Trust





Empowerment of students for their all round development through education is our cherished motto. Today education means much more than merely acquiring knowledge. It is acquisition of knowledge and skills, building character and improving employability of our young talent and leadership quality. I am sure; we inherited a strong foundation to march ahead and to achieve with our vision and mission.

Or.S.Poorani
John Secretary
Frode Sengunthar Educational Trust

# CIVIL ENGINEERING

# **FEATURES**

- V Accredited by NBA Two Times
- Y Permanently Affiliated to Anna University
- 9 State of art laboratory with high and equipments
- \[
  \begin{align\*}
  \begin{align\*}
- Y Smart Classes for enhanced Teaching and Learning
- Y Learning management through Google Class Room B NPTEL Courses
- Ÿ Industry supported curriclum
- Y Intership Industrial visit, Industrial projects. Survey Camps through MoU with Industries
- Proffesional Bodies like ICI. IE(I), IGBC and ISTE
- Consultancy works in soil testing, Material testing.
   Surveying (Total station & GPS)
- Y Career Guidance and Placement Assistance

# LABORATORY FACILITIES

- Y Survey lab
- Y Concrete & Highway lab.
- Y Strength of Materials lab.
- 7 Soil Mechanics lab.
- Ÿ Fluid Mechanics lab.
- Y Environmental

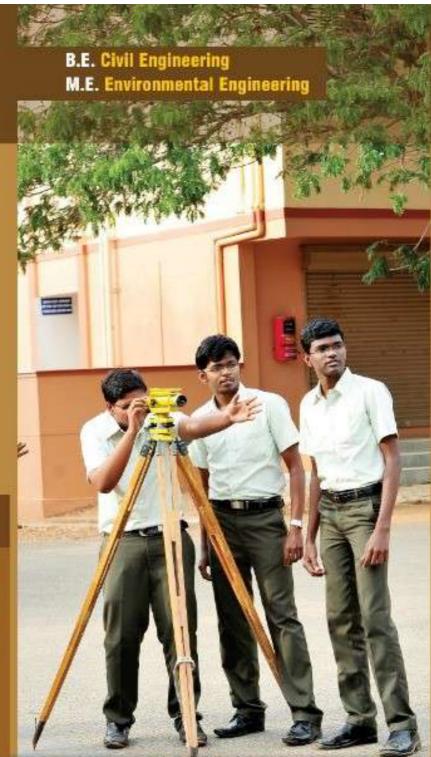
  Engineering lab.
- Y Advanced Computer lab.
- Basic Geospatial open source lab.

# FUNDING RECEIVED

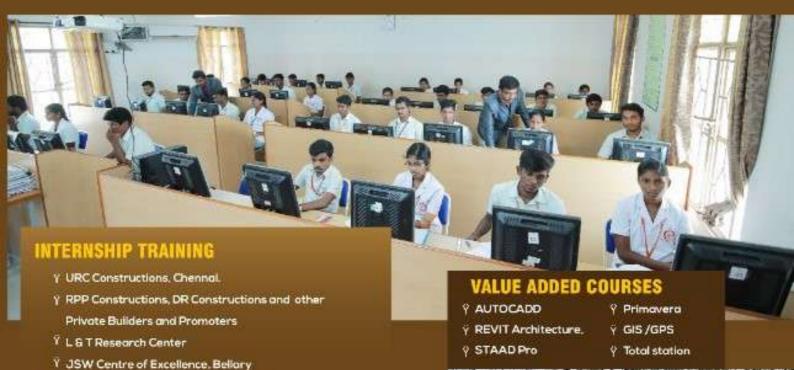
30 lakes funds received from AICTE DRDO, CSIR, DST, TNSCST, NRDMS /DST, PMKVY and FAER to establish laboratory, to conduct FDP, Seminar and Conferences and Projects.

10 lakes received through consultancy

Projects.







# INDUSTRIAL VISITS

Y Hi Tech Concrete Solutions Chennal

Y Marutham Builders, Chennai
 Innovative Constructors, Chennai

- Y Regular visit to cement industries. RMC plants, Steel Manufacturing Units and Build Expo.
- Y Regular visit to Water treatment plants & Waste water treatment plants.
- Y Underground pumped storage works, Hydro Project works, Emerald, Nilgirles.
- Ÿ Hydro power project works, Kolli Hills.
- P Regular visit to Irrigation department/TANGEDGO.

#### **INDUSTRY TRAINING**

- Y Albert Engineering Associates, Salem.
- Y Sun Engineering, Trichy.
- Y TPK Infra Projects, Tirupur
- Y Swifterz India Pvt. Itd., Coimbatore.
- Y Sonne Infrastructure, Chennal.





LIST OF FEW RECRUITERS









CENTER OF EXCELLENCES













# COMPUTER SCIENCE AND ENGINEERING

#### **FEATURES**

- 9 Accredited by NBA since 2009
- 9 Accredited by NAAC with 'A' Grade and IE(I), Kolkotta
- 9 State-of-the-art laboratory with 300 Computers
- Y Eminent faculty with Ph.D. Qualification
- § Industry supported Curriculum
- Anna University Ranks every year
- ? Research Center approved by Anna University
- \u00e9 Wi-Fi campus with 150 Mbps internet connectivity
- Y Learning Management through Moodle and Google Class Room
- Y Value added courses like .NET Programming, PHP & MySQL. Mobile Apps Development, Data Analytics, Python, Cisco certification etc. to enrich the student placement potential
- Ÿ Co-curricular activities through Department Association. CSI and ISTE
- 9 Extra-curricular activities through Various Social Clubs
- \( \text{Y Recognized as Advanced Partner College by Infosys \)
- 9 IIT/IIS professor Video Lectures through NPTEL Center
- § Enrichment programmes through IIT Bombay Remote Center
- Ŷ Internship, In-Plant Training and Industrial Visit through Industry
  Institute Partnership Cell to make the students Industry Ready.

B.E. Computer Science and Engineering
M.E. Computer Science and Engineering
Ph.D. Computer Science and Engineering



Funds received from AICTE, DRDO, CSIR, DST, and SERB to establish Laboratory to conduct FDP, Seminar and Conferences and Projects



#### LABORATORY FACILITIES

- The Laboratories are equipped with
- Apple, Acer, HP and Wipro desktops with Intel Core i7 8GB RAM, 1TB HDD latest configuration, Printers,
- Scanner with sufficient power backup facilities. The department has the following laboratories.
- Operating System Lab
- Networking Lab
- Compiler Design Lab
- Software Engineering & Case Tools Lab
- Programming Lab
- Graphics Lab
- DBMS Lab
- Open Source Software Lab
- Internet Programming /
- Web Technology Lab
- Data Structures Lab
- Grid and Cloud Computing Lab
- Mobile Apps Development Lab
- Security Lab
- Data Analysis Lab
- Artificial Intelligence Lab



#### **VALUE ADDED COURSES**

- EMC<sup>2</sup> Cloud Certification Program
- CISCO Certification
- Infosys Foundation Program
- Infosys Soft Skill Program
- Mobile Apps Development
- Web Development
- PHP & MySQL Development

- Big Data Analytics
- Machine Learning Using Python
- .NET Programming
- Animation using Maya
- R Programming
- Block Chain Technology
- IOT Internet of Things

#### INDUSTRAL TRAINING

- Infosys- Foundation Program
- Wipro Mission IOX Program
- Cisco Certification Program
- Oracle SQL Fundamentals and DBA
- Xansa Software, Chennal
- EMC<sup>2</sup>, Bangalore
- Cognizant Technology Solutions Soft Skill
- National Skill Training Institute (Foreman), Bengaluru

UNIVERSITY RANKS

25
UNIVERSITY RANKS

#### INTERNSHIP TRAINING

- Vision Technologies, Chennai
- Unique Technologies, Coimbatore
- Netty4u, Chennai
- Apple Tech., Coimbatore
- Abito Technologies, Colmbatore
- Kaashiv Infotech, Chennai
- Isclor Soft Solution, Coimbatore
- National Skill Training Institute
- (Foreman), Bengaluru

#### INDUSTRIAL VISITS

- Infosys Limited, Mysore
- Infosys Limited, Chengalpattu
- Cognizant Technology Solutions
- ISRO, Trivandrum
- Sriharikotta, Andra Pradesh
- Steel Authority of India, Salem
- Chip Software, Cochin
- Quest Global, Chennai
- IITM Research Park, Chennai

#### LIST OF FEW RECRUITERS

















Infoview

ORACLE

#### CENTER OF EXCELLENCE





StinSoft



MoUs WITH FOLLOWING INDUSTRIES







# **ELECTRICAL AND ELECTRONICS ENGINEERING**

**B.E. Electrical and Electronics Engineering** M.E. Power Electronics and Drives Ph.D. Electrical and Electronics Engineering



Funds received from ISRO, DRDO, DST, TNSCST, MOTOROLA, AICTE, CSIR, IE(I) to establish Laboratory to conduct FDP.



# LABORATORY FACILITIES

- **Electrical Machines Lab**
- Electrical Circuits & Simulation Lab
- Control Systems & Simulation Lab
- Power Electronics & Simulation Lab
- Microprocessors & Microcontrollers Lab
- **Electrical Measurements Lab**
- Power Systems Lab
- R6D lab
- Electrical Measurements & Instrumentation Lab
- Power Systems Simulation Lab
- Power Electronics & Drives Lab
- Power Electronics & Circuits Lab

#### FUNDING RECEIVED

Seminar and Conferences

# UNIVERSITY RANKS

33 UNIVERSITY RANKS

- Y Research based projects in final semesters

Y Workshops by eminent Industry experts

9 Consistently producing University Rank holders

Ÿ Placement in top level care companies like VOLTECH, L&T, etc.,

engineering solutions in a global, economic, environmental and

and MNCs like CTS, WIPRO, INFOSYS, MAVERIC, etc. ? The broad education is given to understand the impact of

Ÿ Motivation to participate in Project Contest, Seminars, Workshops, National and International Conferences

- Guidance for GATE preparation
- Motivation, Soft skills & Personality Development classes
- Y Smart class using LCD projector

societal context

- Y Inplant training, Industrial training and Industrial visits at regular intervals
- Y Technical Symposium, Seminars, Workshops, Project exhibition, FDTPs to encourage students skills
- Y Special software for electrical machine design Motor Solve

#### VALUE ADDED COURSES

- Electric motors
- Electrical maintenance
- Protective relays
- OBM of substation equipment
- Microcontroller (8051) and applications
- Programmable logic controllers (allen bradley) & applications
- Preumatic controls
- Advance PLCs-SIEMENS S7-300 with SCADA
- Pragrammable logic controls with SIEMENS 57-300 with HMI
- Supervisory development programme
- Project management



#### **INDUSTRIAL TRAINING**

- JSW Energy Limited, Bellary
- NSTI, Bengaluru
- WIPRO Mission 10x Program
- Analog Power Embedded System & Wireless lot
- Industrial Automation Genn Automation



#### VISITS TOP UNIVERSITIES / COLLEGES

- IIT BOMBAY
- NIT. TRICHY
- IISE BANGALORE IIT KHARAGPUR
- NIT CALICUT
- VIT UNIVERSITY
- IIT CHENNAL







#### INDUSTRIAL VISITS

- Neyveli Lignite Corporation Limited, Neyveli
- United Electrical Industries
   Limited, Pallimukku, Kerala
- V Guard Industries Pvt. Ltd. Bengaluru,
   Karnataka
- \* T&C Engineers Pvt. Ltd, Chennai
- Tuticorin Thermal Power Station, Tuticorin
- \* Kadamparai Hydro electric power plant
- India Nippon Electrical Ltd, Hosur
- Bharat Heavy Electrical Ltd, Tiruchiroppolli
- Pykara (Singara) Hydroelectric Power
   House, Masinagudi, Mudumalai, Tamil Nadu
- BEST Industrial Electricals India Pvt.
   Ltd. Bengaluru. Kamataka
- Bhaarath Electrical Industry, Coimbatore
- WEG Industries (India) Pvt. Ltd. Hosur,
   Tamil Nadu
- The Amaravathi Co-ap Sugar Mills Ltd.
   Krishnapuram. Tirupur
- Mettur Thermal Power Station, Mettur



# ELECTRONICS AND COMMUNICATION ENGINEERING

#### **FEATURES**

- Y Department is Accredited three times by NBA
- Y Anna University Approved Research Centre
- Y AICTE funded GATE coaching classes
- Y Good infrastructure to cater the needs of UG & PG Students
- Y Laboratories are well equipped with Hi-tech modern equiments
- ŷ Inplant training and Industrial visits are organized at regular intervals
- Periodically special Lectures, workshops, seminars, Symposium are organized
- P Achieved university ranks
- Y TEXAS Instrument sponsored IC Lab
- 9 Student projects are funded by TNSCST, FAER, Texas Instroments, etc.
- Y Industry ready programmes like Optical Fiber Installation & Maintenance, CCTV Installation, Mobile service & repair, etc are periodically organized
- Y Students are Placed in reputed Companies

#### COMPUTING FACILITY

Computing centre is equipped with 50 Computer Systems with high end latest configuration. The software accessible includes MATLAB (50 Users License). MATLAB with 12 Toolboxes, Xilinx, Cadence Design Suite and ORCAD (15 Users License)

B.E. Electronics and Communication Engineering

M.E. Applied Electronics

Ph.D. Information and Communication Engineering



#### **FUNDING RECEIVED**

Funds received from AICTE, MOES, CSIR, Anna University etc. to establish Laboratory, to conduct FDP, Seminar and Conferences





#### **LABORATORY FACILITIES**

- Integrated Circuits Lab
- Electronics Lab
- Microprocessor Lab
- Optical and Microwave Lab
- Communication Systems Lab
- VLSI Design Lab
- DSP Lab
- Design Project Lab
- Embedded Systems Lab
- Electronics System Design Lab
- Robotics Lab

#### **VALUE ADDED COURSES**

- Embedded Programming
- Robotics
- CISCO Certification
- Infosys Foundation Program
- Infosys Soft Skill Program
- Mobile Apps Development
- Placement Oriented C Programming

#### INDUSTRIAL TRAINING

- Wipro Mission 10X Program
- Cisco Certification Program
- ICT Academy of Tamil Nadu
- Foreman Technical Training Institute, Bengaluru (Ministry of Skill Development & Entrepreneurship, Directorate General Of Training)
- BSNL
- National Skill Training Institute(foreman), Bengaluru
- Alpho Associates, Coimbatore
- EVOBI Automation

#### **INDUSTRIAL VISITS**

- ISRO, Trivandrum
- Sriharikotta, Andra Pradesh
- Steel Authority of India, Salem
- Chip Software, Cochin
- Nuclear Power Plant, Kudankulam
- HAL Bangalore
- ISRO. Bangalore
- Sauthern Railway, Coimbatore
- JSW, Bangalore
- Radio Astronomy Centre, Ooty
- All India Radio, Ooty
- Indian Telecom Industry, Palakad
- Quest Global, Chennai







CENTER OF EXCELLENCE

ROBOTICS

MoUS WITH FOLLOWING INDUSTRIES

11

BSNL

TEXAS INSTRUMENTS





# ELECTRONICS AND INSTRUMENTATION ENGINEERING

#### FEATURES

- V Department is Accredited twice by NBA
- Permanently Affiliated to Anna University-Chennai.
- \( \varphi \) Received Best Technical Paper Award-ISTE Calcutta

  Convention National Award

  \( \)
- \[
  \text{Received Best ISTE Staff Chapter Secretary Award-ISTETN} \]

  \[
  \text{8 Puduchery}
  \]
- 50 Research papers have been published by faculty members in reputed, Scopus indexed, Anna University
- Y Annexure-I Journals and Conference in Last five years
- Y State-of-the-art laboratory with modern automation equipments
- Y Mould the students to the needs of end user with Internship, InPlant Training and Industrial Visit through Industry Institute Partnership Cell
- Y MoUs are signed with Indian and Foreign Industries to develop industry exposure among students towards placement activities
- \( \foatsup \) To bridge the gap between the industry needs and institute,
  Guest Lecture, Seminar, Workshops, Value added Courses
  are conducted for the students at regular intervals
  \[
  \]
- The technical skills of the students are improved by the submission of two in house projects through the project groups every semester
- Ÿ Funds received from various funding agencies such as TNSCST, MOTOROLA, AICTE, CSIR, IE(I), PMKVY and etc

#### B.E. ELECTRONICS AND INSTRUMENTATION ENGINEERING



#### FUNDING RECEIVED

Funds received from AICTE, TNSCST, DRDO, ICMR, PMKVY, Anna University etc. to establish Laboratory, to conduct FDP, Seminar and Conferences.

#### **LABORATORY FACILITIES**

- The state-of-the-art facilities provided enable students to carry out research in the areas of MEMS, Smart Structures
- Control of Electromechanical systems and Process Control.
- Process Control laboratory
- Transducers and Measurements Lab
- Industrial Instrumentation Lab
- Computer Control of Process
   Electronics Lab.

#### **VALUE ADDED COURSES**

- PLC and their applications
- Embedded Programming
- . LabVIEW Core-I & Core-II
- Artificial Intelligence
- SCADA and HMI
- Process Control Dynamics and Simulation
- Sensors and Automation
- Remote Sensing and Wireless network communication
- PCB Designing
- Matlab
- Sensor calibration



#### INTERNSHIP TRAINING

- EDAC Engineering, Chennal
- Toyota Kirloskar Motor Pvt. Ltd., Bengaluru.
- HTA Instrumentation Ltd., Bengaluru
- Flowserve, Bengaluru
- Baliga Lighting Equipments, Chennai
- TRACO Cable Company Ltd., Ernakulam
- Fluid Control Research Institute, Palakkad
- Visvesvaraya Industrial and Technological Centre,
- Bengaluru
- Paramount Industries, Bengaluru
- SPIC Tutucorin
- Pollucare Engineering, Chennai
- Sri Jaishanth Automation, Chennal
- Common Effluent Water Treatment Plant,
- SIPCOT, Perundural



# **INDUSTRIAL TRAINING**

- MTTS, Chennai Industrial Training in Automation
- Southern Automation, Erode Training in PLC
- SPIC, Tutucorin Training in Instrumentation and DCS
- Ashak Leyland, Namakkal Faculty Training
- JSW, Toranagallu, Bellay Industrial Training in Thermal Power Plant
- National Skill Training Institute, Bengaluru Training in Advanced PLC









# MECHANICAL ENGINEERING

- **B.E.** Mechanical Engineering
- M.E. Manufacturing Engineering
- M.E. Industrial Safety Engineering
- Ph.D. Mechanical Engineering



- Y Accredited by NBA since 2009
- Y Accredited by NAAC with 'A' Grade and IE(I), Kolkotta
- Y Well established Laboratories with Hi-fi Machineries.
- \( \text{Renowned faculty with Ph.D. Qualification and industrial Experience} \)
- Y Consistency in producing University Rank holders
- Y Active Institutional Members in Professional Body IIPE, ISTE.
- Ÿ Both Faculty 8 students constantly focusing on continuous upgrade of domain knowledge by participating in faculty development / industrial training programs and enrolling in online courses offered by NPTEL, IIT Bombay, etc.,
- § 120 Research papers have been published by Faculty members in various reputed. Scopus Indexed, Anna
- Y University Recognized journals and conferences.
- Y Guidance is provided for higher studies and GATE exams.
- Y Smart Class Room Facility with LCD Projector.
- \( \text{Indian Welding Society, Renewable Energy, Indian Society for Heating Ventilating Refrigeration and Air conditioning (ISHRE) Club activities are periodically conducted to enhance the Professional Skills.
  \)
- Y Inculcating research culture among students by making them involve in research projects.



#### LABORATORY FACILITIES

- Workshop
- Machine shop
- · Thermal Engineering Lab
- CAD/CAM lab
- Mechatronics Lab

#### **VALUE ADDED COURSES**

- ANSYS
- UNI GRAPHICS
- AUTO CAD
- PROE
- CREO PARAMETRIC
- CATIA
- LEAN MANUFACTURING



#### **FUNDING RECEIVED**

Consistency in receiving funds from various Funding Agencies like AICTE, TNSCST, DRDO, ICMR, PMKVY, EDII, DST, Anna University etc, to establish Laboratories, to carryout Research Projects, to conduct FDP's Seminars and Conferences.

### INDUSTRIAL TRAINING

- ROOTS Industries, Coimbatore.
- Sundaram Fasteners, Mysore.
- National Skill Training Institute, Bangalore.
- Brakes India Pvt, Ltd., Mysore.
- AB Brakes, Mysore.
- JSW Bangalore.
- Haritha-Fehrer, Mysore.

#### INTERNSHIP TRAINING

- Heavy Vehicle Factory, Avadi.
- Ashok Leyland, Hosur.
- Brakes India, Polampakam, Chennai.
- TVS, Ambattur Chennai.
- Maruti Suzuki, Chennai
- Tamilnadu State Transport Corporation (CBE).

#### INDUSTRIAL VISITS

- BHEL, Hyderabad.
- Kudankulam Nuclear Power Plant, Kundankulam.
- HMT. Hyderabad & Kochl.
- · SEA BLUE Ship Yard, Kochi.
- IMTMA, Bangalore
- Sandal Wood Oil Company, Mysore
- Orient Plants & Equipment (P) Ltd. Coimbatore.
- LMW Coimbatore.
- ROOTS Industries, Coimbatore
- Bench Mark Tea Factory & Museum, Oaty.
- Universal Heat Exchangers &
- Madras Radiators Pvt.Ltd, Coimbatore.











# **BIOMEDICAL ENGINEERING**

#### **B.E. Biomedical Engineering**



- Y Industrial, Hospital and Core biomedical company visits to improve the knowledge of the students.
- ÿ Value added courses are conducted to the students for better placement opportunities.
- Inplant training is given for the students as an additional qualification for our students.
- Y Internships with stipend are arranged to students to improve their technical skills and knowledge in the field of Biomedical Engineering.





#### **LABORATORY FACILITIES**

- Biochemistry Laboratory
- Human Physiology Laboratory
- Pathology & Microbiology Laboratory
- Biomedical Instrumentation
- Laboratory
- Diagnostic & Therapeutic
- Equipments Laboratory
- Bio Signal Processing Laboratory
- Medical Image Processing Laboratory



# **COMPUTING FACILITY**

Computer Center is equipped with total number of 38 Computer Systems with high end latest Configuration. The software accessible includes MATLAB (50 Users License), MATLAB with 12 Toolboxes. Xilinx. Cadence Design Suite and ORCAD (15 Users License).



## VALUE ADDED COURSES

- PCB Designing
- Embedded Programming
- LabVIEW Core-I & Core-II
- Medical Robotics
- 3D Simulation and Printing
- Artificial Intelligence
- Bio Sensors and Transducers
- Matlab





#### HOSPITAL TRAINING

- Sri Ramachandra University and Hospital, Chennai
- Coimbatore Medical College [CMC]. Coimbatore
- IRT Perundurai Medical College, Perundurai
- Royal Care Super Speciality Hospital. Coimbatore
- Erode Cancer Centre Erode
- Sudha Hospital, Erode
- Lotus Hospital Erode Hi Tech Super Speciality Hospital
- Hindustan Hospital, Coimbatore
- Senthil Multi-Speciality Hospital, Erode.







#### BEST PRACTICES FOLLOWED

- The interactive learning is exposed through classroom teaching based on one-to-one interaction with the faculty.
- Analogy based teaching methodologies.
- Video lectures by experts on problem oriented subjects to ease the learning process.
- Case Analysis / Applied Problems Solving
- Project based Learning
- Field visit to industries make the students to learn recent technologies
   8 Industry work culture.
- Real time projects lead the students for lively learning experience.
- Internship opportunities impart practical learning experience to the students.



# CHEMICAL ENGINEERING

#### **FEATURES**

- Y Permanently affiliated to Anna University
- Y Three times Accredited by NBA
- Y Accredited by NAAC with 'A' Grade and IE(I), Kolkata
- Ÿ State-of-art laboratories with latest high-end Equipments.
- ¬
  Anna University Ranks every year (Gold medals for 4 consecutive Years)
- Y Highly experienced & dedicated faculty with Ph.D. Qualification
- 9 Providing Technical training to Sanmar.
- Y Value added courses like Aspen Plus/Hysys, MATLAB, Piping design to enrich the student placement potential.
- Y Industrial interaction by means of Internship, In-Plant Training and Industrial Visits in different chemical, petrochemical, pharmaceutical, fertilizer, sugar, paper and polymer industries to expose the students to the practical issues.
- Placement Training from First Year.
- Ÿ Smart classes for enhanced Teaching-Learning
- Y Online certification courses such as NPTEL.
- Y Student chapters (IICHE 6ISTE) and associations (ChEA) to encourage participation in Co-curricular activities.

#### B.Tech. Chemical Engineering M.Tech. Chemical Engineering

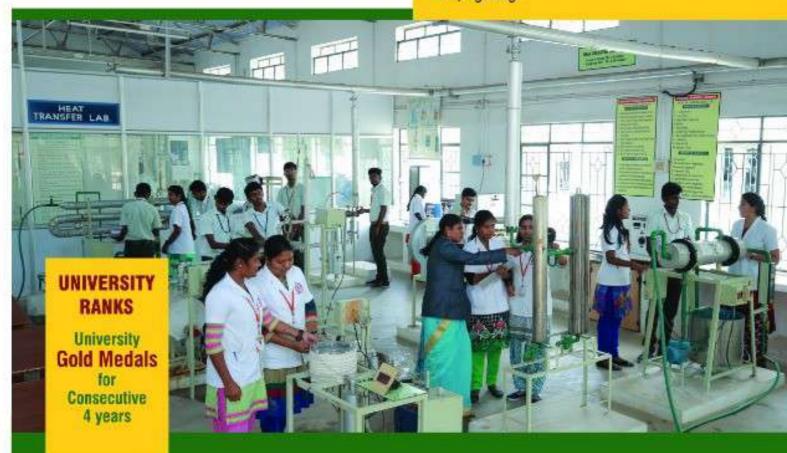


#### **FUNDING RECEIVED**

 Funds received from AICTE, DRDO, CSIR, DST, TNSTC, and FAER to establish Laboratory, to conduct FDP, Seminar and Conferences and Projects

#### **VALUE ADDED COURSES**

- Aspen Hysis
- MATLAB
- Piping Design



#### INDUSTRIAL VISITS

- The Travancare Cochin Chemicals Limited, Udyagamandal, Cochin.
- The Fertilisers and Chemicals Travancore Limited. Cochin.
- Parle products private limited, Bangalore,
- Southern Petrochemicals Industries Pvt Ltd. Tuticorin
- Karnataka Soaps and detergents, Bangalore
- Common Effluent Treatment Plant, SIPCOT Chennai.







#### LABORATORY FACILITIES

- Fluid Mechanics Lab
- Mechanical Unit Operations Lab
- Heat Transfer Lab
- Mass Transfer Lab
- Chemical Reaction Engineering Lab
- Process Control Lab
- Computational Programming Lab
- Chemical Analysis Lab



#### INDUSTRIAL TRAINING

- Sri Rengaraj Ispat Steels Pvt. Ltd, SIPCOT
- Minerva Syncot Industries Pvt Ltd, SIPCOT
- Nilgiri Stoneware Chemicals Pvt Ltd, Mettupalayam
- Southern Petro Chemicals Industries, Tuticoran

#### INTERNSHIP TRAINING

- Oil and Natural gas Corporation Ltd, Karaikal
- United Spirits, Cherthala, Alleppey, Kerala.
- Chennal Petroleum Corporation Ltd, Nagapattinam.
- Hindustan Insecticides Cochin, Kerala.
- The Fertilizers and Chemicals Travancore Limited, Cochin.
- The India Cements Ltd. Salem

#### FEW RECRUITERS













CHAMALI





































# INFORMATION TECHNOLOGY

# **B.Tech. Information Technology**

#### **FEATURES**

- Accredited by NAAC with 'A' Grade and IE(I), Kolkata
- Y State-of-the-art laboratory with 200 Computers
- Y Eminent and Experience faculty with Ph.D. Qualification
- § Industry supported Curriculum
- y Wi-Fi campus with 150 Mbps internet connectivity
- Ÿ E-Learning through Moodle and Google Class Room
- Y Value added courses like .NET Programming, Data Science, Python, Cisco Certification and Information Security Certification etc. to enrich the student placement potential
- § Soft Skills and Continuous Learning through Department Association
  CSI and ISTE Chapters
- Y Extracurricular activities through Various Social Clubs
- P Recognized as Advanced Partner College by Infosys
- V IIT/IIS professors Video Lectures through IIT Bombay Remote Centre
  Industry Projects, Internship, InPlant Training and Industrial Visit
  through Industry Institute Partnership Cell (IIPC)



## **LABORATORY FACILITIES**

The Laboratories are equipped
with Apple, HP and Wipro desktops
with Intel Core i7, 8 GB RAM, 1 TB
HDD. Printer and Scanner facilities.

#### LABORATORIES

- Python Programming Laboratory
- Computer Hardware Servicing and Maintenance Laboratory
- Data Analytics Laboratory
- Object Oriented Programming
  Laboratory



## **VALUE ADDED COURSES**

- EMC<sup>e</sup> Cloud Certification Program
- CISCO Certification
- Infy TQ
- Data Science Certification
- Information Security Certification
- Oracle Database Administration
- Machine Learning Certification
- loT Programming
- Block Chain Technology



#### INTERNSHIP TRAINING

- National Skill Training Institute, Bengaluru
- Advanced Training Institute, Chennai
- Stinsoft
- ABEE Semi-conductors for IoT and Al-



#### INDUSTRIAL VISITS

- Infosys Limited
- **UST Global Solutions**
- DRDO Food Research Laboratory
- Quest Global
- ISRO

#### CENTER OF EXCELLENCE



StinSoft

MoUS WITH FOLLOWING INDUSTRIES







#### MBA Master of Business Administration

#### **FEATURES**

- Y Accredited by NAAC with 'A' Grade and IE(I), Kolkotta
- **?** Permanently affiliated to Anna University
- Contemporary, relevant, progressive and Industry need based curriculum
- \( \tilde{\gamma} \) Highly accomplished faculty and embellished by renowned industry practitioners
- Y Eminent faculty members with Ph.D. Qualification
- Y Project-based training throughout the course, which includes an Industry Internship Program and a Dissertation
- Ŷ Consistently achieving university ranks in Anna University semester examinations
- Y Activity based learning
- ¥ 100% Placement
- § Entrepreneurship Development Training
- Entrepreneurial Skill development through organizing Trade Fair every year
- Y Computer laboratory with internet facility
- Y WI-Fi campus with 150 Mbps internet connectivity
- Y Learning Management through Google Class Room
- § Cocurricular activities are conducted through student association
- Y Extracurricular activities are conducted through various Social Clubs
- Y IIM/IIT Professors Video Lectures through NPTEL Center
- Y Enrichment programmes through IIT Bombay Remote Center
- Y Internship, InPlant Training and Industrial Visit through Industry
- Institute

Partnership Cell to make the students Industry Ready.



#### **FUNDING RECEIVED**

Rs. 18 Lakhs Funds received from NRDMS, DST, TNSTC to establish Laboratory, to conduct FDP. Seminar. Conferences and Projects







#### **VALUE ADDED COURSES**

- Entrepreneurship
- Digital Marketing
- Stock Market Analysis
- HRM Practices
- Retailing Techniques
- ESIM Management

#### **LABORATORY FACILITIES**

- Communication Lab
- Data Base Management Lab
- Net Lab





#### LIST OF FEW RECRUITERS

















CENTER OF EXCELLENCE





CENTER

EXCELLENCE

















# MCA Master of Computer Applications

#### **FEATURES**

- Accredited by NAAC with 'A' Grade and IE(I), Kolkotta
- Well equipped lab with the latest computer.
- Y Eminent faculty with Ph.D. Qualification
- Y Industry supported Curriculum
- Y Anna University Ranks right from inception
- Wi-Fi campus with 150 Mbps Internet connectivity
- Y Learning Management through Moodle and Google Class Room
- V Value added courses like .NET Programming, PHP 8
- Y MySQL, Java. Python, etc. to enrich the student placement potential
- Y Career guidance and placement assistance
- Y Effective communication and personality development
- Service oriented training programme has been organized for the public through PMKVY Scheme
- Y Recognized as Advanced Partner College by Infosys
- y IIT/IIS professors Video Lectures through NPTEL Center Internship. InPlant Training and Industrial Visit through Industry Institute Partnership Cell to make the students Industry Ready.

#### **FUNDING RECEIVED**

Funds received from AICTE, IEEE, ICT ACT, TNSCST, DRDO, ICMR, Anna University etc. to establish Laboratory to conduct FDP, Seminar and Conferences



### **BEST PRACTICES FOLLOWED**

- The interactive learning is exposed through classroom teaching based upon one-to-one interaction with the faculty.
- · Analogy based teaching methodologies.
- Video lectures by experts on problem oriented subjects to ease the learning process.
- Case Analysis / Applied Problems Solving
- Project based Learning
- Field visit to industries make the students to learn recent technologies & Industry culture.
- Real time projects lead the students for lively learning experience.
- Internship opportunities impart practical learning experience to the students









#### LABORATORY FACILITIES

- Operating System Lab
- Networking Lab
- Compiler Design Lab
- Software Engineering & Case
- Tools Lab
- Programming Lab
- Graphics Lab
- DBMS Lab
- Open Source Software Lab
- Internet Programming/Web
- Technology Lab
- Data Structures Lab

#### **VALUE ADDED COURSES**

- EMC<sup>®</sup> Cloud Certification Program
- CISCO Certification
- Infosys Foundation Program
- Infosys Soft Skills Program
- Mobile Apps Development
- Basic Web development
- PHP & MySQL Development
- Big Date Analytics
- Machine Learning Using Python
- NET Programming
- Animation using Maya
- Placement Oriented C Programming
- Joomla Wakshap
- R Programming
- Basic Python Programming
- Block Chain Workshop

#### INDUSTRIAL TRAINING

- Infosys-Foundation Program
- Cognizant Technology Solutions - Soft Skills
- Embedded Programming



#### INDUSTRIAL VISITS

- Infosys Limited, Mysore
- Infosys Limited, Chengalpattu
- Cognizant Technology Solutions
- ISRO, Trivandrum
- Sriharikotta, Andra Pradesh
- Steel Authority of India, Salem
- Chip Software, Cochin
- Sandal Wood Oil Company
- All India Radio
- BSNL

#### LIST OF FEW RECRUITERS



























MOUS WITH FOLLOWING INDUSTRIES

# **GENERAL FACILITIES**



















# **ESEC HIGHLIGHTS**



- tamil.indianexpress.com









Above 3 Crores Financial support from Research and Development Agencies like AICTE, DST, CSIR, BRNS & EDC



ESEC IAS Academy for cracking competitive Examinations like UPSC,TNPSC etc.

# STUDENTS INDUSTRIAL VISIT PHOTOS









# STUDENTS INDUSTRIAL VISIT PHOTOS





























#### MUGIL FM 91.2MHz

MUGIL CRS aims at the women empowerment and community based development encompassing the rural areas around the college. MUGIL CRS is a tape less and completely digital operating Community Radio Station from the campus @ 91.2 MHz to a range of 50 KMS.



# **SPORTS, INDOOR & OUTDOOR GAMES**

- \u00e4 The Department of Physical Education has all the facilities to
  promote sports and games.
- \u00e4 The total play ground area is 9 acres. It includes 400 metres mud track for track and field Markings.
- Ÿ Facilities for outdoor games such as Cricket, Football, Handball, Ball Badminton, Basket Ball, Kabaddi, Hockey, and Volleyball are made available.
- § Facilities for Indoor games like Chess. Carom and Table Tennis etc.
  are made available.





# **MULTI - STATION GYM**

Gymnasium facilities are also made available in the college, to keep the students fit and smart. These promote heart health and weight loss, help prevent osteoporosis and improve muscle strength, balance and flexibility.



TEMPLE



AUDITORIUM



CONFERENCE HALL



SEMINAR HALL



#### CENTRAL LIBRARY

A well equipped library- a storehouse of knowledge that helps you to

- V Attain Educational Outcome
- Y Update the knowledge
- Y Acquire learning skills
- Y Self studies & self analysis
- ÿ Conservation of knowledge & ideas
- Y Shaping your character
- § Personality development
- Y Research work

The library is kept open from 8.30 a.m. to 7.30 p.m. The library card is issued to the students for barrowing books from the library. Digital library facility is available to access e-journals and books. Availability of text books, reference books and journals at the national and international levels in the library is ensured for the effective self-learning

#### Services

- y Reprography
- ÿ Access of e-sources
- 9 Current awareness 9
- 9 References services
- Y Internet services
- Y Lending services

# **Total Collections**

- 9 Books 45602
- ÿ Periodicals-254
- Ÿ E-books-7200
- Y E-journals-656
- Ÿ National journal back volumes 5220
- Y Internationals journals back volumes-812
- Ÿ Project report-3694
- Ÿ News paper 10
- Ÿ Books CD's & DVD's-1848
- Ÿ Periodical CD's & DVD'd 961

# Online Public Access Catalogue (OPAC)

- \( \text{Y} \) The central library introduced and installed PALPAP Library
  Automation Software. It is fully integrated with multi-user
  software on windows environment capable of handling lakhs
  of records. OPAC terminals are user friendly, informative and
  have the following features
- Y A powerful document search engine
- Y Locates the status of the book in the library
- Y Displays all available books of an author
- Y Displays the borrowers status









# **INTERNAL QUALITY ASSURANCE CELL**

Internal Quality Assurance cell is functioning effectively to assure the quality of the system, process and its outcomes. Under IQAC, at the end of every academic semester a detailed internal academic audit is conducted to ensure academics, as per the pion and policies.

#### INDUSTRY INSTITUTE PARTNERSHIP CELL

Industry Institute Partnership Cell (IIPC) is in focus of connecting and fulfilling the gap between Industry and Institute. IIP Cell has been formed for the mutual benefits of students and the industry.

# RESEARCH AND DEVELOPMENT CELL

Research and Development Cell aims at motivating the faculty and students to bring out their innovative ideas through research. This Cell assists and guides students to apply for funding to carry out research under students project schemes from various funding agencies like TNSCST, AICTE, DST, BRNS, FAER, etc.



# Cultur Cultur

#### QUALITY IMPROVEMENT CELL

Quality Improvement Cell is formed to Improve the teaching learning process. This Cell co-ordinates with Centre for Faculty Development, Anna University, Chennai to ensure that faculty and students are exposed to various resources like NPTEL Voice Tutorial by IIT, Bridge Course CDs given through DOTE, spoken tutorial by IIT, Bombay, etc

# **CAREER GUIDANCE CELL**

Career Guidance Cell extends service for the students' to learn about their career in the higher education of the students in India and abroad, guiding students for competitive examinations like GATE, GMAT etc.

#### ENTREPRENEURSHIP DEVELOPMENT CELL

Entrepreneurship Development Cell has been functioning In the College since 2005. The Cell Invites the business legends to deliver guest lectures and guidance to become a successful entrepreneur.

# **NPTEL CENTER**

National Programme on Technology Enhanced Learning Centre has been established for students who can listen to video lectures of eminent Professors of IITs, and IISc.





#### IIT BOMBAY REMOTE CENTER

Indian Institute of Technology - IIT Bombay had approved our College as Remote Center to conduct workshops, seminars, conferences, guest lectures. Faculty Development Programmes etc. for students and faculty.

## LANGUAGE LABORATORY

A Hi-Tech Language Laboratory has been established to expose the audio and video related pronunciation, articulation, modulation, expression, communication to the students.





#### **ESEC IAS ACADEMY**

ESECIAS Academy is functioning in our Callege to cater the needs of IAS and Other Govt, services aspiring students. Regular coaching have been conducted for needy students

#### PROFESSIONAL BODIES

Every Department is collaborated with relevant professional bodies for the holistic development of the students.



#### e-Yantra Lab

e-Yantra Lab was established in association with IIT Bombay. eLSI provides: guidance and support for establishing robotics labs - three robotic kits are given to each participating college and a two-phased training for teachers:

















CLUB











### SOCIAL CLUBS

The students have the freedom to choose their domain of interest and be the member of the respective club. The club will be mentored by faculty members.

# PHOTO GALLERY OF VARIOUS CLUB ACTIVITIES



**NATIONAL SERVICE SCHEME** 



RED RIBBON CLUB



ROTRACT CLUB



YOUTH RED CROSS



**ONAM CELEBRATION** 



CULTURAL FEST



**FINE ARTS CLUB** 

# PHOTO GALLERY OF SPORTS ACTIVITIES









# TRAINING AND PLACEMENT CELL

Training and Placement cell is an integral part of our institution. The institute has provided the complete infrastructure for effective functioning of the cell. The cell is sensitized to function of all throughout the year towards generating placement and training opportunities to the students. Training activities are organized throughout the year in an effort towards preparing the prespective students for the campus selection programmes.

# "Students Choice Based Campus Placement"

It is an opportunity for the Students to work closely with companies and develop a long term perspective with regards to their career.













# STUDENTS PLACED IN MULTINATIONAL COMPANIES







2017-2018







2018-2019



J.DORATHY NCA MINDTREE



IL VISWANATHAN **B.TECH CHEMICAL** SALARY 4.5 LPA



BE CIVIL FAME TECHNOLOGIES



BE EEE COGNIZANT TECHNOLOGY SALAHY 3.37 LPA



S. PANNER MANOJ BE ECE WIPRO



B. BAMYA HE CRE TATA CONSULTANCIES



KUMA SHANKAR ME FEE WIPRO BALARY 3.5 LPA



BE ESE NDOT TECHNOLOGIES SALARY 3.25 LPA



K. VIGNEBH BE EIE VOLTECH ENGINEERING SALARY 3 LPA



S. VENKATESAN BE ECE SALARY 3 LPA



B. NAREHORAN BE CSE IMPIGER TECHNOLOGIES BALARY 3 LPA



K. ABILASHA B.TECH CHEMICAL SPIC SALARY S. LPA



т. впки B.TECH CHEMICAL SPIC SALARY 3 LPA



HECHTHAS.E D. TECH CHEMICAL SPIC SALARY 3 LPA



T DHIVOYA



M.H. VENKATESH KUMAR BE CSE SEMECH
CAUBACHT TECHNOLOGIES AUS GLOWL BUTOMATION
SALARY 3 LPA SALARY 2.5 LPA



M. PAVITHRA TATA CONSULTANCIES SALARY - 2.4 LPA



ECE TATA CONSULTANCIES SALARY - 2.4 LPA



S. THAMILARASI CRE TATA CONSULTANCIES SALARY - 2.4 LPA



S. GOWTHAM TATA CONSULTANCIES SALARY - 2.4 LPA



CSF TATA CONSULTANCIES SALARY - 2.4 LPA



S.PRADEEP SH FEE TRIMED SOLUTIONS SALARY 2.4 LPW



J. VENKATESH DE EIE VOLTECH ENGINEERING



K.YUVARAJ BE - EEE VOLTECH ENGTHEERING SALARY 2.1 LPA



R. KIPKIBAKARAN BE EEE VOLTECH BYGHEERING SALAHY 2.1 LPA



N. AYYAPPAN BE EEE VOLTECH ENGINEERING SALARY 2.1 LPA



**8. FLANGOVAN** BE EEE VOLTECH ENGINEERING SALARY 2.1 LPA



K.NARESH B TECH CHEMICAL DIVIS LABORATORY SALARY - 1.92 LPA



R TECH CHEMICAL SALARY - 1.92 LPA



R.DHARANI DIVIS LABORATORY SHRI RAMENDRIEBING WORKS SALARY 1.2 LPA

























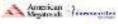












































#### **UG** Eligibility

Categories HSC (Academic) HSC (Vocational)

General Minimum average of 45%" and above in Minimum average of 45%" and above in

Maths. Physics and Chemistry related subjects, vocational theory

subjects and practicals

BC/BCM Minimum average of 40% and above in Minimum average of 40% and above in

Maths. Physics and Chemistry related subjects, vocational theory

subjects and practicals

MBC & DNC Minimum average of 40%" and above in Minimum average of 40%" and above in

Maths, Physics and Chemistry related subjects, vocational theory

subjects and practicals

SC/SCA/ST Minimum average of 40%\* in the qualifying Minimum average of 40%\* and above in

examination with Maths. Physics and related subjects, vocational theory

Chemistry subjects and practical s

Lateral Entry B.Sc/Diploma holders are admitted directly in 2nd year B.E/B.Tech Course

a) A pass in diploma / B.Sc. with 50% for general category
 b) A pass with 45% for BC, MBC, SC/ST/SCA/DNC

#### PG Eligibility

MBA A pass in a recognized Bachelor's degree of minium 3 years duration and obtained atleast 50%

(45% in case of candidates belonging to reserved category) in the qualifying examination in

10+2+3 years pattern (or) 10+3 years Diploma +3 years pattern (or) B.E /B.Tech / B.Arch / B.Pharm (or) AMIE with 2 years regular full time Teaching experience / Industrial experience in the relevant

field after passing all the subjects

MCA A pass in a recognized Bachelor's degree of minimum 3 years duration in 10+2+3/4 years

(or) 10+3 years diploma +3 years pattern in any discipline with mathematics at +2 level or degree level and obtained atleast 50% (45% in case of candidates belonging to reserved category) at the qualifying

examination

M.E B.E / B.Tech degree programme or equivalent in the relevant field and obtained at least

50% (45% in case of candidates belonging to reserved category) at the qualifying

examination.

\* subject to approval by state government













# **ERODE SENGUNTHAR**

ENGINEERING COLLEGE (AUTONOMOUS)



ACCREDITED BY NBA, NEW DELHI, MACC WITH GRADE "A", IEID, KOLKATA & ISO 9001: 2008 CERTIFIED INSTITUTIONI

PERUNDURAI, ERODE - 638 057.

For Admissions Contact - 98428 65500, 99428 65500, 98424 65500