MOUNT ZION COLLEGE OF ENGINEERING & TECHNOLOGY

PUDUKKOTTAI-622507
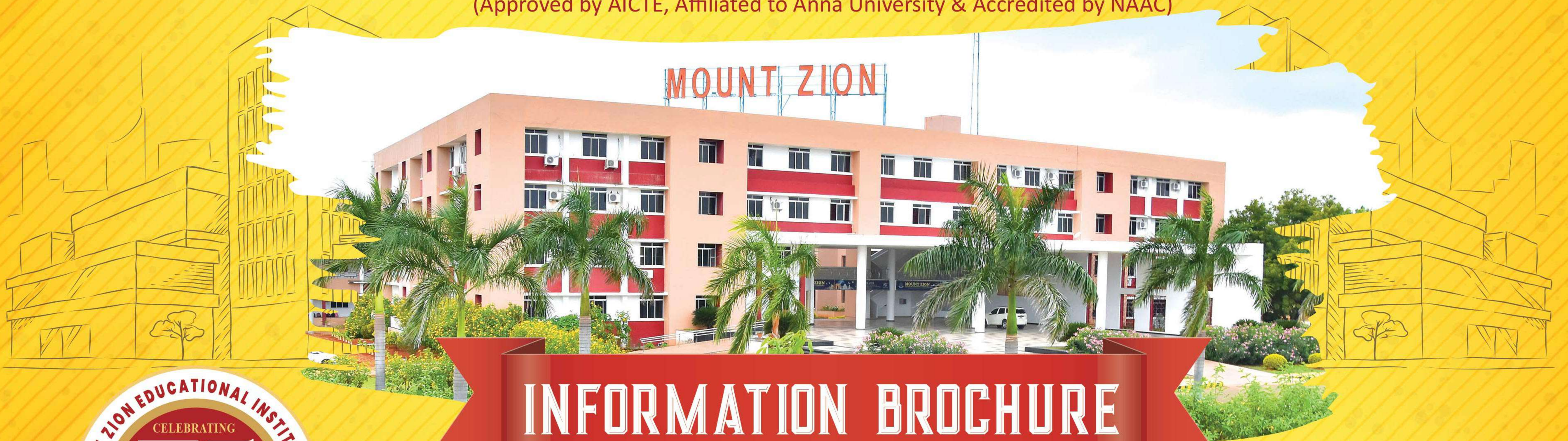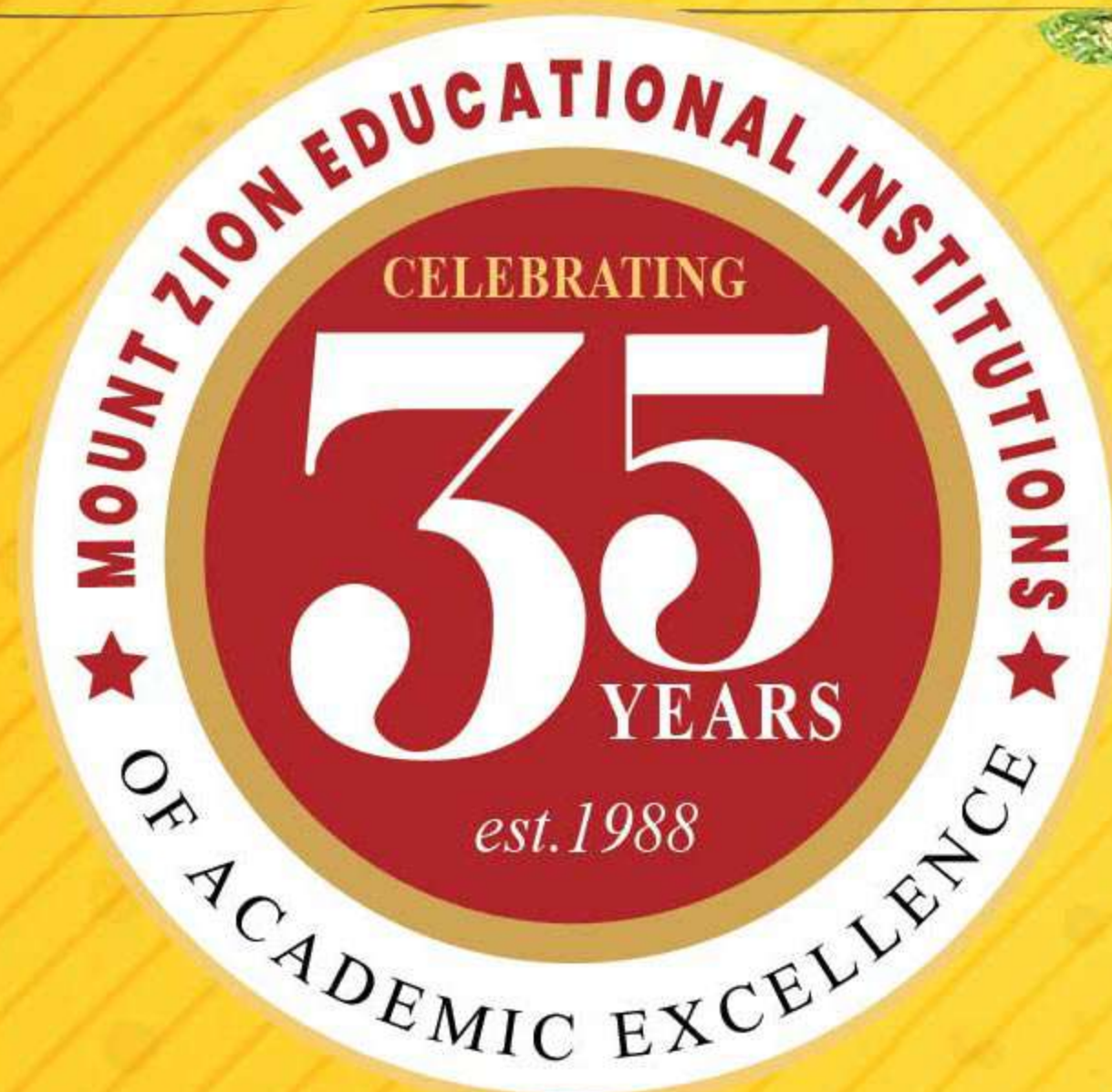
TO MAKE MAN WHOLE

MountZion
College Of Engineering & Technology
(Approved by AICTE, Affiliated to Anna University & Accredited by NAAC)

MOUNT ZION

INFORMATION BROCHURE

MOUNT ZION EDUCATIONAL INSTITUTIONS

CELEBRATING
35 YEARS
est. 1988

OF ACADEMIC EXCELLENCE

Study at the hub of knowledge & innovation

www.mzcet.in / ⊙ ⑤ //MountZionCET

History of the
INSTITUTION

The Genesis of Mount Zion Educational Trust was in the year 1988 and paved the way to fulfill the aim of providing quality education in the educationally backward district of Pudukkottai, Tamil Nadu. The Trust started Mount Zion Matriculation Higher Secondary School in 1988. Though a humble beginning, it has grown to be the best school in Pudukkottai district. It regularly produces top rankers in the district and state in the X and XII standard Board examinations.

The second milestone was achieved as the Trust decided to start an engineering college in the year 2001. Mount Zion College of Engineering and Technology came into existence in 2001. It is located in a sprawling 30 acre campus with buildings nestled between trees. The calm and serene environment invigorates the mind and body. The institution has five Under Graduate (UG) programmes, Two Post Graduate (PG) programmes and two Ph.D programmes affiliated to Anna University, Chennai. All UG programmes are permanently affiliated.

The institution is approved by AICTE, and received ISO 9001:2015 certification. It is also accredited by the National Assessment and Accreditation Council (NAAC). Academic programmes offered by the institution are in alignment with the institutional vision and mission.

MANAGEMENT

Shri.Jayabarathan Chelliah, M.A (USA)., B.Ed.,
Founder / Chairman

Mrs. Florence Jayabarathan, M.A., B.Ed.,
Chairperson

Dr. Jayson K Jayabarathan, M.Tech., Ph.D
Director / Trustee

Dr. P. Balamurugan, M.E., Ph.D.,
Principal

Prof. Vivian R Jayson, M.Tech.,Ph.D*
Academic Coordinator

Vision, Mission and Quality Policy

Vision

Mount Zion College of Engineering and Technology is the preferred choice of all those who aspire for excellence.

Quality Policy

To be the leading institution in providing engineering education and create a platform for students to enhance their technical skills, provide an opportunity for a career, research and development.

Mission

Lead value-based efforts to:

- ☑ Transform engineering knowledge with the congruence of real-time problems and social needs
- ☑ Promote modern approach among students for upgrading engineering trends
- ☑ Focus on student centric learning
- ☑ Strengthen industry-institute interaction and improve research activities
- ☑ Produce proactive, innovative, technically strong and highly employable engineers
- ☑ Initiate a desire to offer selfless service to humanity

CORE VALUES

- ☑ To make man whole
- ☑ Academic excellence
- ☑ Integrity, Diversity and Leadership Development
- ☑ Service to the nation
- ☑ Motivation to face futuristic challenges

Courses Offered

Doctorate programmes

- ☑ Ph.D. Computer Science and Engineering
- ☑ Ph.D. Electronics and Communication Engineering

Postgraduate programmes

- ☑ M.E. Communication systems
- ☑ M.E. Computer Science and Engineering

Undergraduate programmes

- ☑ B.E. Civil Engineering
- ☑ B.E. Computer Science and Engineering
- ☑ B.E. Electronics and Communication Engineering
- ☑ B.E. Electrical and Electronics Engineering
- ☑ B.E. Mechanical Engineering

MOUNT ZION

Highlights

- First NAAC accredited engineering college in the district with highest CGPA till date.

- Only engineering college in the district to be recognized under section 2(f) & 12(B) by the University Grants Commission (UGC).

- Only engineering college in the district with permanent affiliation for all UG courses.

- Only engineering college which regularly conducts 24-hour workshop.

- More than 25 MoUs and Tie-ups with leading industries and foreign universities.

- Remote centre for NMEICT and Akash Project Research Centre under MHRD.

- Only engineering college in the district to have NCC wing.

- Only engineering college in the state conducted 500+ webinars during this year.

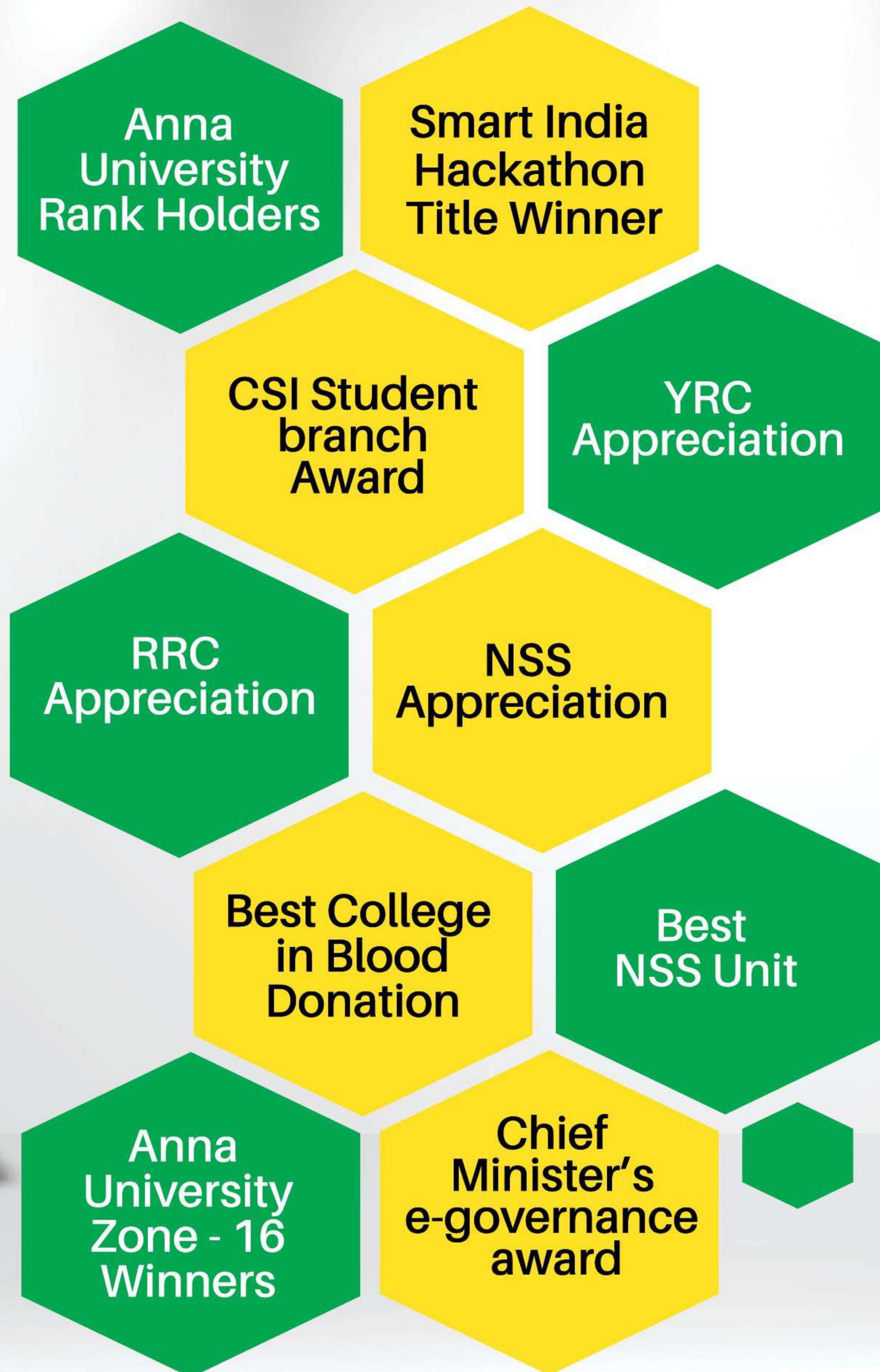- Highly qualified and experienced faculty members with Ph.Ds.

Awards/Recognition

- Only engineering college in the district to win prizes at the national level in competitions like Smart India Hackathon and e-Yantra.

- Recipient of the state level Vishwakarma Award for IoT and Robotics.

- Only engineering college in the district to regularly receive project funding from TNSCST Govt of Tamil Nadu and AICTE, Govt. of.India.

- Recipient of Ford Eco Sport Vehicle under the banner of "Taking Education Further".

- Awarded 5 star rating status for Institution's Innovation Council from Ministry of Eduction, Govt. of.India.

- Only Engineering College in the district with ARIIA Ranked 2021 by the Ministry of Education, Govt. of.India.

- Only engineering college in the district to receive the best entrepreneurship development cell award from the Govt. of Tamil Nadu.

- Received the Best CSI student branch award.

- Recipient of the Best NSS Unit Award from Anna University.

Achievements & Awards

Anna University Rank Holders

Smart India Hackathon Title Winner

CSI Student branch Award

YRC Appreciation

RRC Appreciation

NSS Appreciation

Best College in Blood Donation

Best NSS Unit

Anna University Zone - 16 Winners

Chief Minister's e-governance award

AT981-Madhya Pradesh Police : Dr. B. C. Roy Engineering College, West Bengal

SK792-GAIL (India) Limited : Noida Institute of Engineering and Technology, Uttar Pradesh

Anna University Zone - 16 Winners
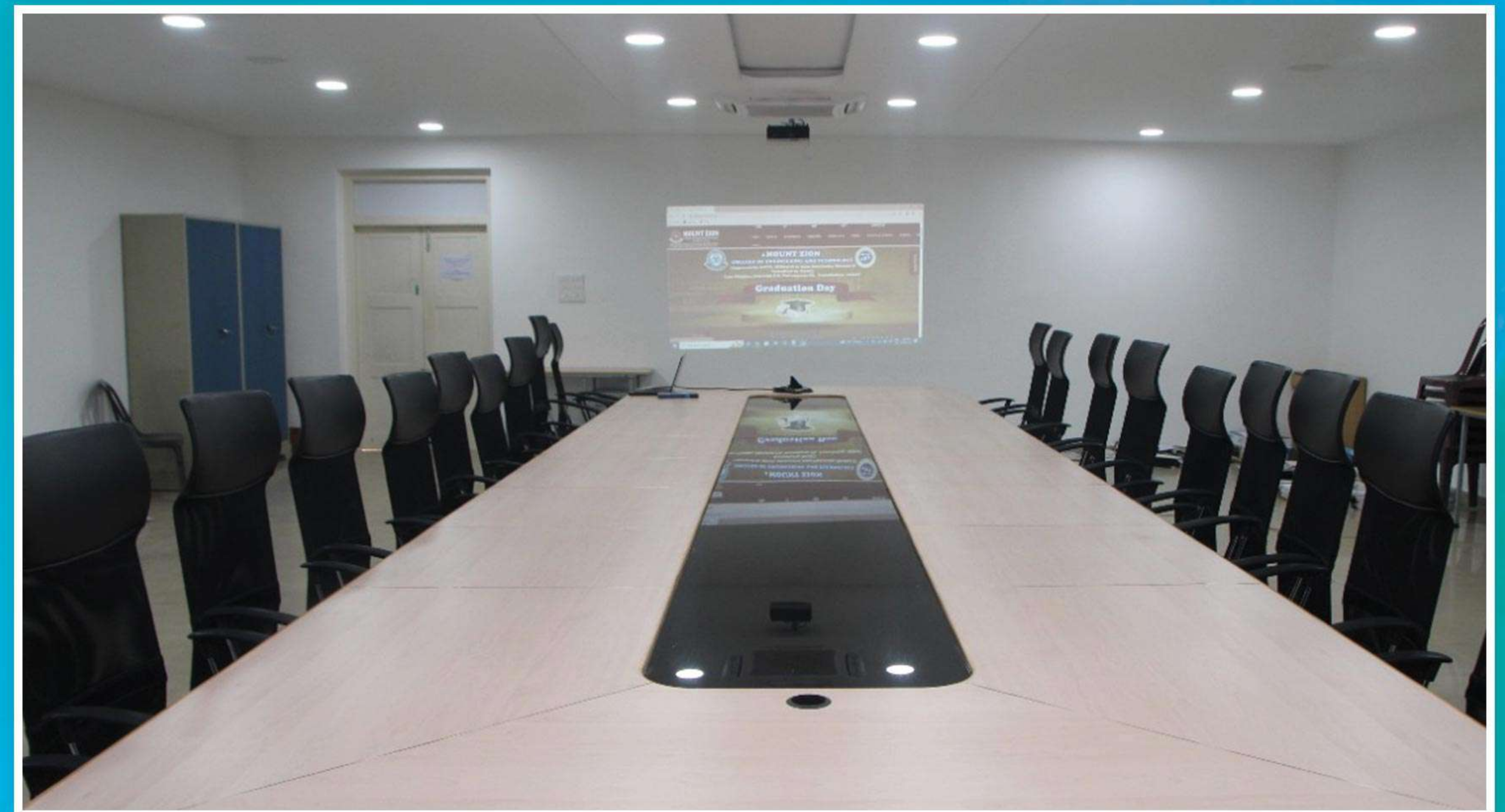

SK1204-Volvo : RV University, Karnataka

Best CSI InApp Award

Viswakarma Award

Infrastructure & Facilities
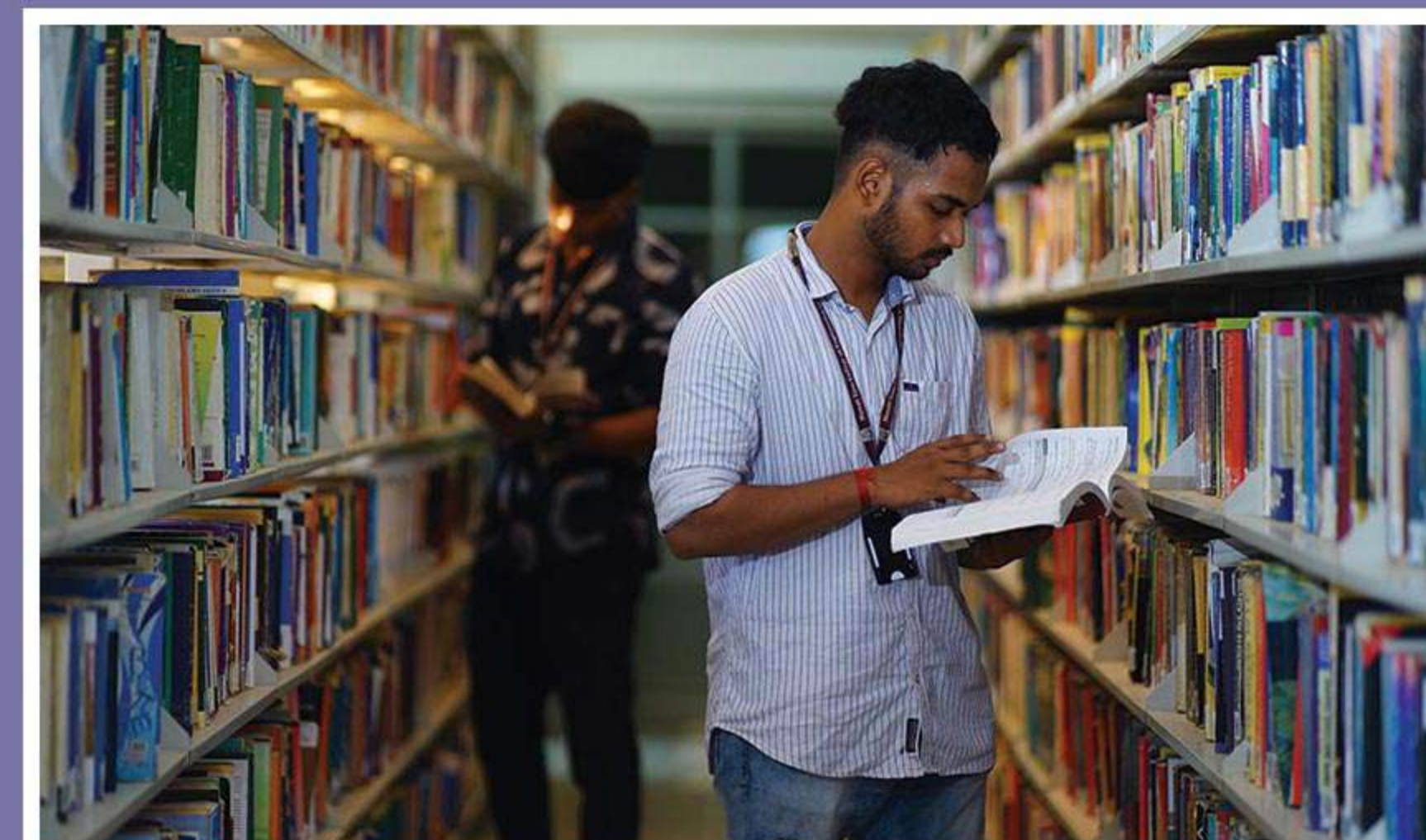
Classrooms & Laboratories

Facilities

Library

- ☑ **37,815** titles of text and reference books.
- ☑ Digital library e-Book, Online Journals & Magazine
- ☑ High-speed Internet facility with **100 Mbps.**
- ☑ Online journals - **IEEE, ASME, ASCE, and DELNET.**

MoUs

- Siemens centre of excellence in manufacturing,NIT, Trichy
- EinNel Technologies, Chennai
- Madras Radiators & Private Limited, Coimbatore
- Sree Engineering, Coimbatore
- Sri Ganesh Industries, Coimbatore
- SPACEZEE Technologies, Chennai
- Henel Engineers Private Limited, Aralvaimozhi
- V3 Technologies, Thanjavur
- Innate Talent, Salem
- Magnion Technologies, Karaikudi
- SNR Associates, Madurai
- Hi-Tech Electronics, Trichy
- A.K.Tronics, Trichy
- Pantech Solutions, Trichy
- C Cube Technologies, Karaikudi
- JETZ ERP Systems, Karaikudi

Internship/inplant Training

- DRDO, Chennai
- Rail net Software Solutions, Chennai
- Kaashiv Infotech, Chennai
- Airport Authority of India, Coimbatore
- BHEL, Thirumayam
- Sona Koyo Steering Systems Limited, Chennai

- V 3 Hyundai Chennai
- Ultra Tech Engineering, Coimbatore
- K A Precision Engineering, Coimbatore
- Shanrag Machine Tools, Coimbatore
- Ferromax Foundries India Pvt Ltd, Coimbatore
- Associated Transformers, Dindigul
- All India Radio, Trichy
- CECRI, Karaikudi
- Code Bind Technologies, Chennai
- BSNL, Trichy, Karaikudi, Thanjavur, Madurai
- e-soft IT Solutions, karaikudi.
- Kavi InfoTech, Pudukkottai
- ARA Softwares, Chennai
- IIHT, Trichy
- Ozone Cyber Security, Karaikudi
- Magnion Technologies, Karaikudi
- WebGapp, Madurai
- HCL CDC, Chennai
- SRM Infotech, Chennai.
- Oculus Technology, Chennai.
- Embedded Plus Solutions, Trichy
- Uniq Technologies, Chennai, Trichy
- Career Vision Embedded Academy, Coimbatore
- Sree Kaderi Ambal Mills. Shanmuganathapuram

Placement
Top Recruiters

Logos shown: IBM, Cognizant, Infosys, TATA CONSULTANCY SERVICES, SENSIPLE innovative minds, empowered by passion, ZOHO, HCL, verizon, DELL, LARSEN & TOUBRO, POLARIS The Way Out., EinNel Technologies, SUTHERLAND, MRF, Atos Syntel, SwaaS
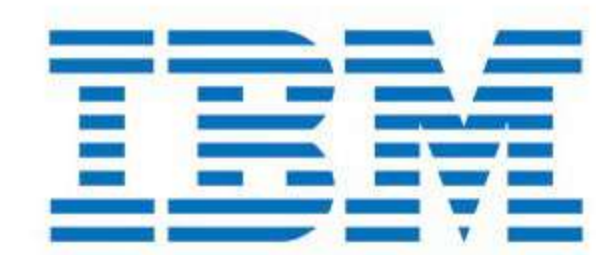
TRAINING AND PLACEMENT CELL

MZCET has a dedicated Training and Placement cell for organizing campus recruitment and training activities. This cell helps the students in career planning and assists them during the pre and post placement activities. It acts as a facilitator between the graduating students and the industry, wherein the prospective employer can identify suitable candidates for their organization. Seminars, Group Discussions, Mock interview Sessions and Interaction with Industry, Soft Skills and company specific training courses are organized for the students to ensure their success during campus placements.

The cell provides student development programmes through lectures/seminars and a presentation to ensure that it helps the student to bridge the gap from the campus to corporates. It also helps and guides students in different training programmes that would enable the students to have a clear perspective from the industry point of view. The cell comprises of a Training and Placement Officer, a Staff Co-Ordinator and a group of senior faculty members from the engineering departments.

OUR RECRUITERS

IBM   Cognizant   TATA CONSULTANCY SERVICES   Infosys   LARSEN & TOUBRO   DELL   HCL

SENSIPLE innovative minds, empowered by passion   EinNel Technologies   Atos | Syntel   ZOHO   POLARIS The Way Out.   SUTHERLAND

SwaaS   MRF   verizon   wipro   Bluez Infomatic   matrimony.com   PRITHVI

RICO   firstsource   SANMINA   Cistron Technologies INNOVATE - EXCEL - COLLABORATE - LEAD   Calydon Tech   CRM IT Customer Success Partner

NITTANY   hakuna matata   Prothious ENGINEERING SERVICES   HGS HINDUJA GLOBAL SOLUTIONS   Usha Fire Safety Life and Property Saving Since 1988 ISO 9001:2015 Certified Company   AQUA PURE PLUS TASTE THE QUALITY

CAPARO   Omega Healthcare Excellence in Business Outsourcing   ELCOMPO Group of Companies   JK Fenner   MITSUBA   samvardhana motherson   HTC global services   EOS EUREKA OUTSOURCING SOLUTIONS

Kab STEEL INDUSTRIES   YESCO   vivo solutions   VAGUS TECHNOLOGIES   Tech Mahindra   Hexaware TECHNOLOGIES   BOTL BREWED @THE LAB   UP

SEE   Axles India Limited   JAINS JAIN HOUSING & CONSTRUCTIONS LTD.   Amphenol   EAST INDIA TECHNOLOGIES   SSF PLASTICS India Private Limited

CHENNAI FORGE PRODUCTS PVT. LTD Manufacturers of Quality Steel Forgings and Machined Components   TUV SUD   MANJU GROUPS   n|u TECHNOLOGY THE TECHNOLOGY HUB   Steel Strips Wheels Limited   vertex solutions

ASHOK LEYLAND   Schneider Electric   H&R STEEL DETAILING   JVR LAND SURVEYS LAND SURVEYING & DIGITAL MAPPING   survey.com a trax company   Zealous quality inside

Department of
Civil Engineering

The Department of Civil Engineering was established in the year 2009 with an intake of 60 students, has now doubled the strength and started M.E. Structural Engineering with an intake of 24 students and it serves the Civil Engineering community by imparting quality education with the motto of making our students knowledgeable and employable. A Civil Engineer from our college is groomed with the skill of building the world with good attitude and enthusiasm.

Consultancy Areas

- Testing Cement, Sand, Aggregate, Beams, Columns, Slabs, Steel Plate, Soil Samples, tiles, Steel Rods, Bricks & Concrete Cubes
- Estimation and Costing
- Site Marking

Courses Offered

- M.E. Structural Engineering
- B.E. Civil Engineering

Value Added Courses

- Construction Materials
- Auto CAD
- Total Station
- STAAD.Pro V8i
- REVIT Architecture
- Tekla Structures

Lab Facilities

- Structural Engineering Laboratory
- Concrete and Highway Engineering Laboratory
- Surveying Laboratory
- Soil Mechanics Laboratory
- Environmental Engineering Laboratory
- Strength of Materials Laboratory
- Applied Hydraulic Engineering Laboratory
- Computer Aided Design and drafting Laboratory

Department of
Computer Science and Engineering

The Department of Computer Science and Engineering was established in the year 2001. Currently the department offers B.E Computer Science and Engineering course with an intake of 120 students, M.E Computer Science and Engineering with an intake of 18 students. The Department has a team of enthusiastic, well qualified and dedicated faculty who put in their efforts in shaping and guiding the students to achieve their goals. The sincere efforts of the faculty in motivating the students have produced remarkable achievements in curricular, co-curricular and extra-curricular activities. The dedication of the faculty and the keen interest shown in the subjects by the students have produced a commendable academic record of students securing university ranks every year.

Courses Offered

- Ph.D. Computer Science & Engineering
- M.E. Computer Science & Engineering
- B.E. Computer Science & Engineering

Value Added Courses

- Java
- Robotics
- IOT
- Raspberry pi
- PHP, MYSQL, ORACLE
- Networking and Internet Programming
- Visual Programming

Lab facilities

- Python Laboratory
- C Programming Laboratory
- Cloud Computing Laboratory
- Mobile Application Development Laboratory
- Security Laboratory
- Case Tools Laboratory
- Internet of Things Laboratory
- Robotics Laboratory

Consultancy areas

- Web Design
- Hosting Services
- Mobile Applications Development
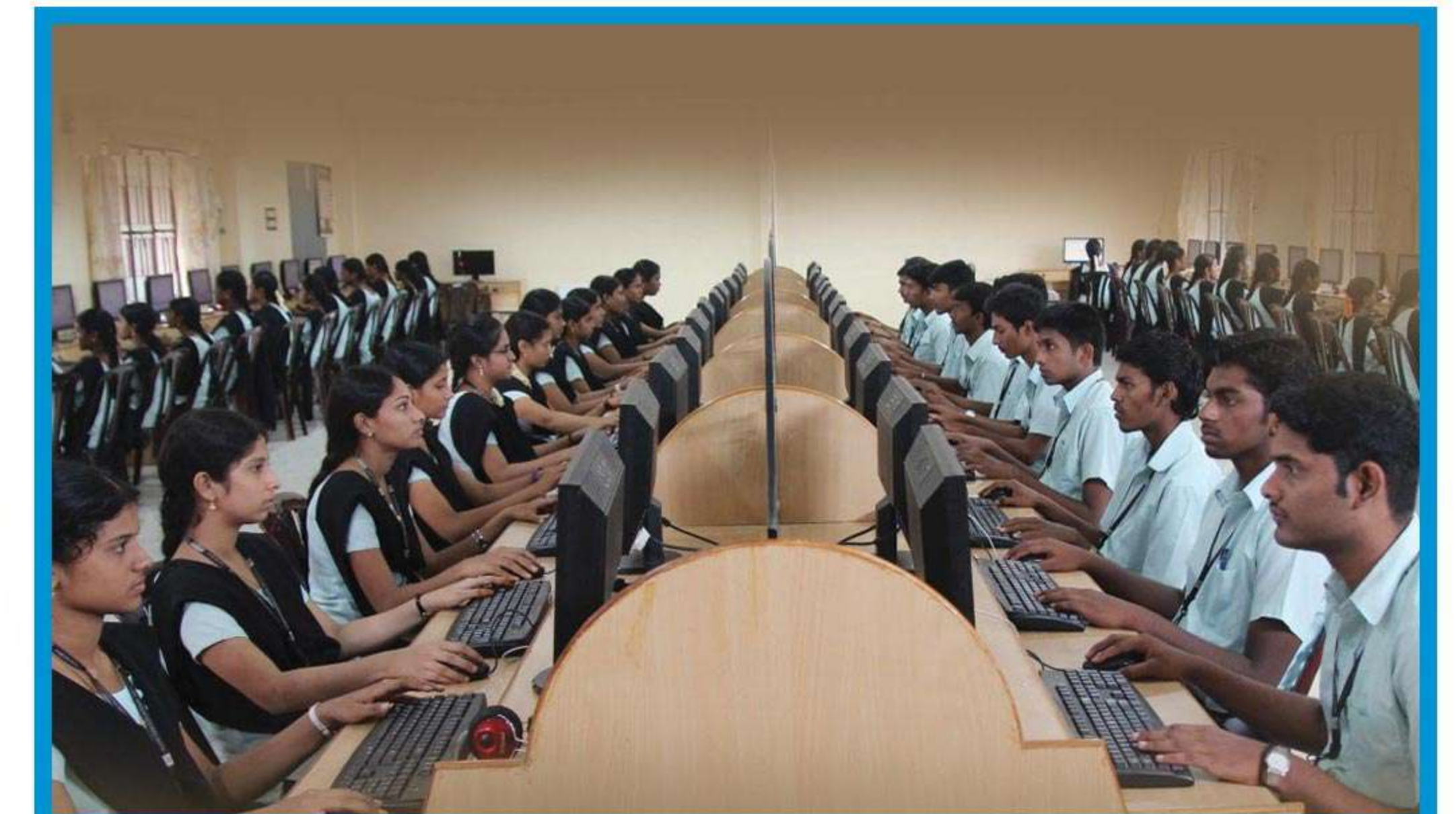
Department of Electronics and Communication Engineering

The Department of Electronics and Communication Engineering was established in the year 2001. Currently the department offers B.E Electronics and Communication Engineering with an intake of 60 students and M.E Communication Systems with an intake of 18 students. The dedicated faculty and studious students created a commendable academic record of securing university ranks every year. The department offers consultancy and research in VLSI Design, Image Processing, Optical Communication and Microwave Engineering.

Courses Offered

- Ph.D. Electronics and Communication Engineering
- M.E. Communication Systems
- B.E. Electronics and Communication Engineering

Value Added Courses

- PCB design
- Internet of Things
- Model Sim/Xilinx
- Arduino and its Applications
- MATLAB
- Embedded Systems
- C,C++ and Java

Lab facilities

- Digital System Design Laboratory
- Digital Signal Processing Laboratory
- Microprocessor and Microcontroller Laboratory
- Analog and Digital Communications Laboratory
- Electronic Circuits and Devices Laboratory
- RF & Microwave and VLSI Design Laboratory
- Internet of Things Laboratory

Consultancy areas

- Antenna Testing and Measurement
- RF Component Testing
- RF Radiation Measurement
- Photonics
- Optical MEMS
- IOT Solutions

Department of Electrical and Electronics Engineering

The Department of Electrical and Electronics Engineering was established in the year 2005. Currently the Department offers B.E Electrical and Electronics Engineering course with an intake of 60 students and M.E Power Electronics and Drives course with an intake of 18 students. The dedicated faculty and students created a commendable academic record of securing university ranks regularly. The department offers consultancy and research in Power System, Power Electronics, Renewable Energy and MEMS.

Courses Offered

- ✅ M.E. Power Electronics and Drives
- ✅ B.E. Electrical and Electronics Engineering

Value Added Courses

- ✅ MATLAB
- ✅ Sensors and Instrumentation
- ✅ C,C++ and Java
- ✅ PLC , Robotics and IOT
- ✅ Digital Logic and Embedded system
- ✅ Electrical Safety and Maintenance
- ✅ Estimation and Costing of Electrical Wiring
- ✅ Arduino and its Applications

Lab facilities

- ✅ Power System Simulation Laboratory
- ✅ Power Electronics and Drives Laboratory
- ✅ Control and Instrumentation Laboratory
- ✅ Electrical Machines Laboratory
- ✅ Engineering Practices Laboratory
- ✅ Linear Integrated and Circuits Laboratory

Consultancy areas

- ✅ Thermal Auditing
- ✅ Energy Auditing
- ✅ Electrical CAD
- ✅ Power Quality Analysis
- ✅ Lighting Engineering
- ✅ Earthing Consultant
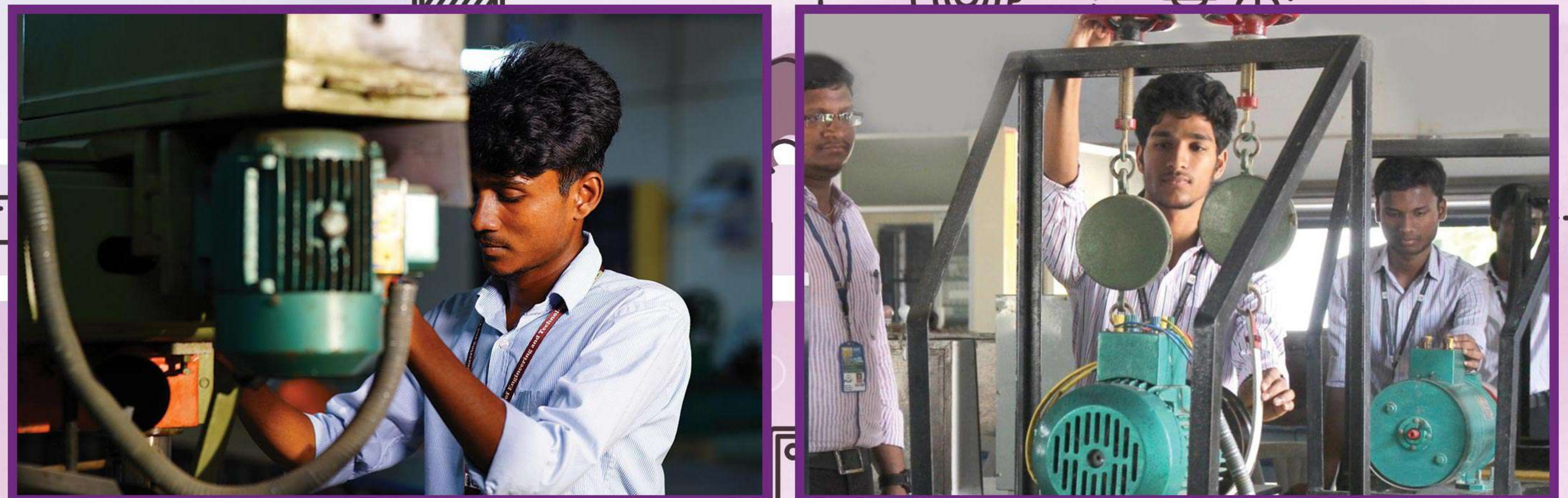
Department of Mechanical Engineering

The Department of Mechanical Engineering was established in the year 2008. Currently the Department offers B.E. Mechanical Engineering course with an intake of 60 students. The Department has a team of highly qualified, motivated and experienced faculty with various areas of specializations. Majority of the faculty are having varied experience in industry, teaching and research. Through them the students are exposed to industrial and research environment.

Course Offered

- B.E. Mechanical Engineering

Value Added Courses

- Robotics
- SOLIDWORKS
- 3D Printing
- Advances in Metrology and Measurements
- Pattern Making
- Modern Manufacturing Techniques
- Design of Approach in Machining
- CATIA Software

Consultancy areas

- 3D Printing
- CAD/CAE/CAM
- Composite Materials Testing
- Robotics Solutions

Lab facilities

- Manufacturing Technology Laboratory
- Dynamics Laboratory
- Thermal Engineering Laboratory
- Metrology and Measurements Laboratory
- Mechatronics Laboratory
- CAD/CAM Laboratory
- 3D Printing Laboratory

Cells, Societies and Clubs

Cells

- ☑ Research and Development Cell
- ☑ Institution's Innovation Council
- ☑ Training & Placement Cell
- ☑ Career Guidance Cell
- ☑ Industry Institute Interaction Cell
- ☑ Entrepreneurship Development Cell
- ☑ Student Counseling Cell
- ☑ Alumini Cell
- ☑ Green Campus Initiative cell
- ☑ Energy Audit Cell

Societies

- ☑ Computer Society of India (CSI)
- ☑ Institution of Electronics and Telecommunication Engineers (IETE)
- ☑ Institute of Electrical and Electronics Engineers (IEEE)
- ☑ Institution of Engineers (India) (IE(I))
- ☑ Indian Society for Technical Education (ISTE)

Clubs/Services

- ☑ National Cadet Corps (NCC)
- ☑ Youth Red Cross (YRC)
- ☑ Red Ribbon Club (RRC)
- ☑ National Service Scheme (NSS)
- ☑ Rotaract Club

Extension Activities

Camps

- Blood donation
- Yoga and self defence
- Medical camp
- Polio

Rallies
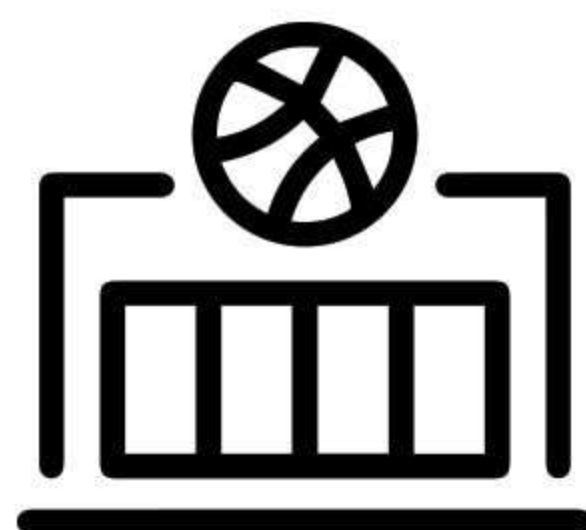
- Road safety
- Anti tobacco rally
- Voters awareness rally

Awareness programmes

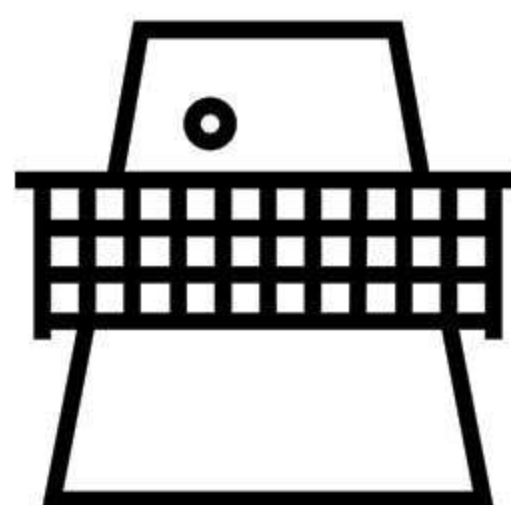- Dengue
- Water Conservation
- Fire safety
- Organ transplantation
- Family welfare laws

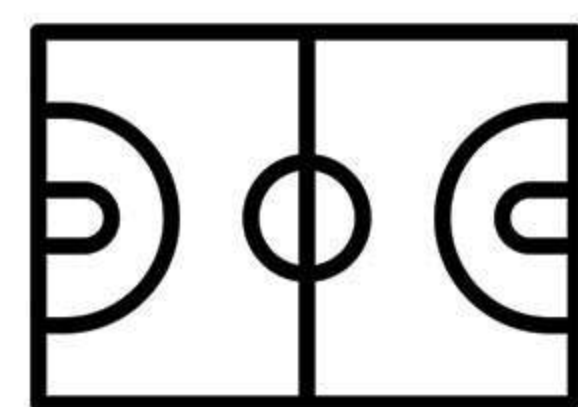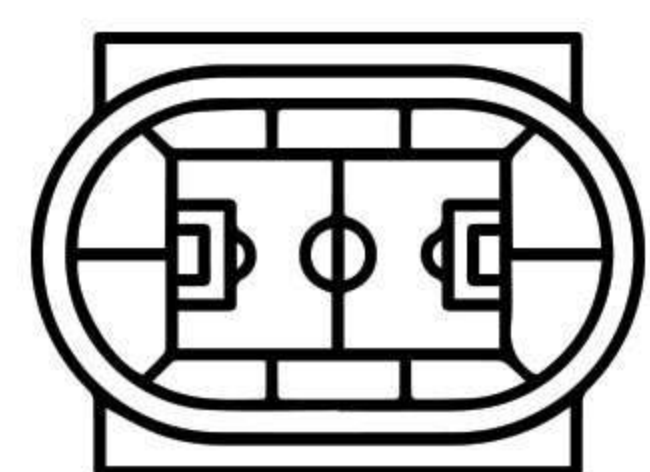# Sports & Culturals

Auditorium
Indoor & Outdoor

Volley Ball court

Basket Ball court
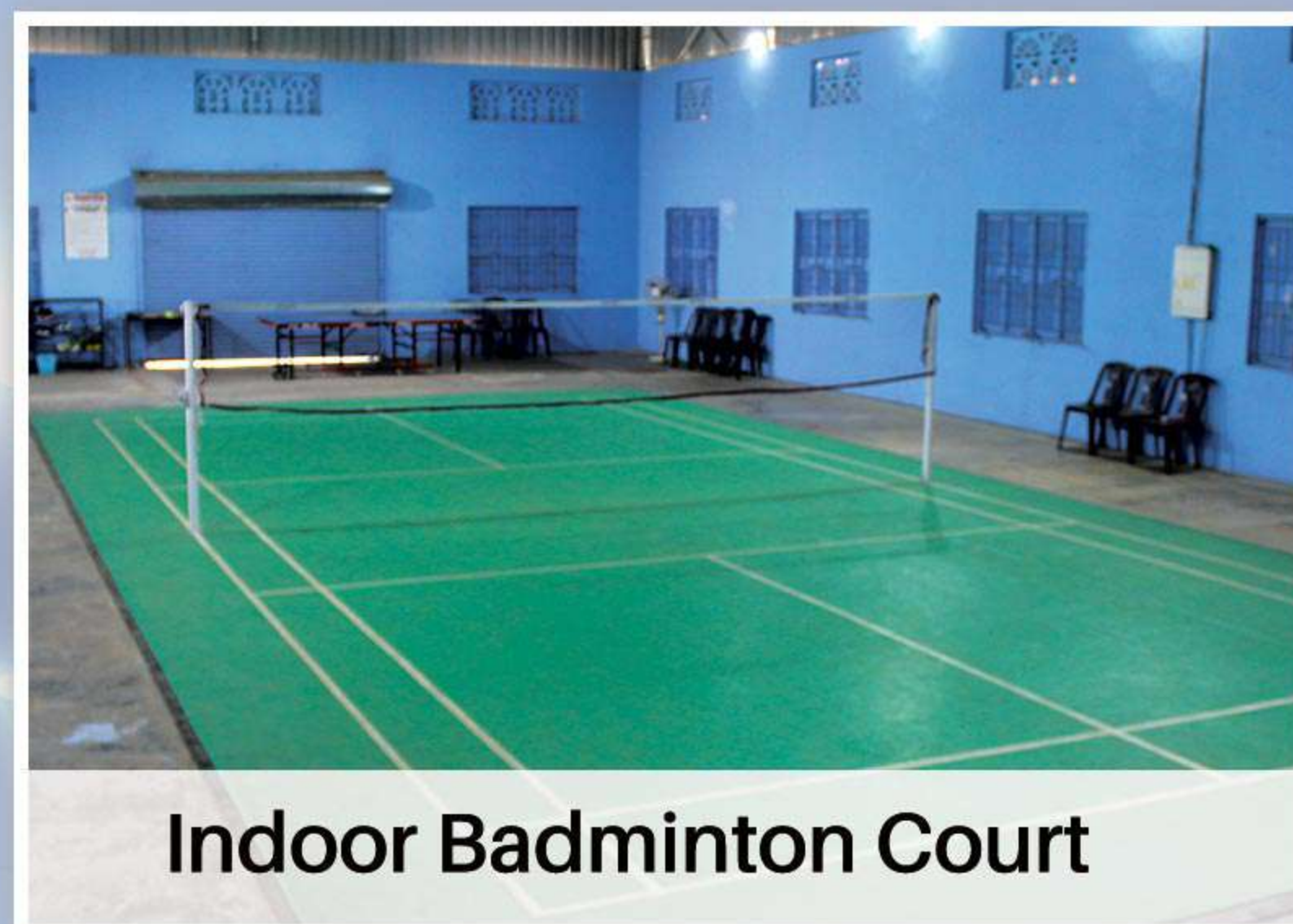
Play Ground
Hockey, Cricket, Kho-Kho
Foot Ball , Hand Ball, Throw Ball
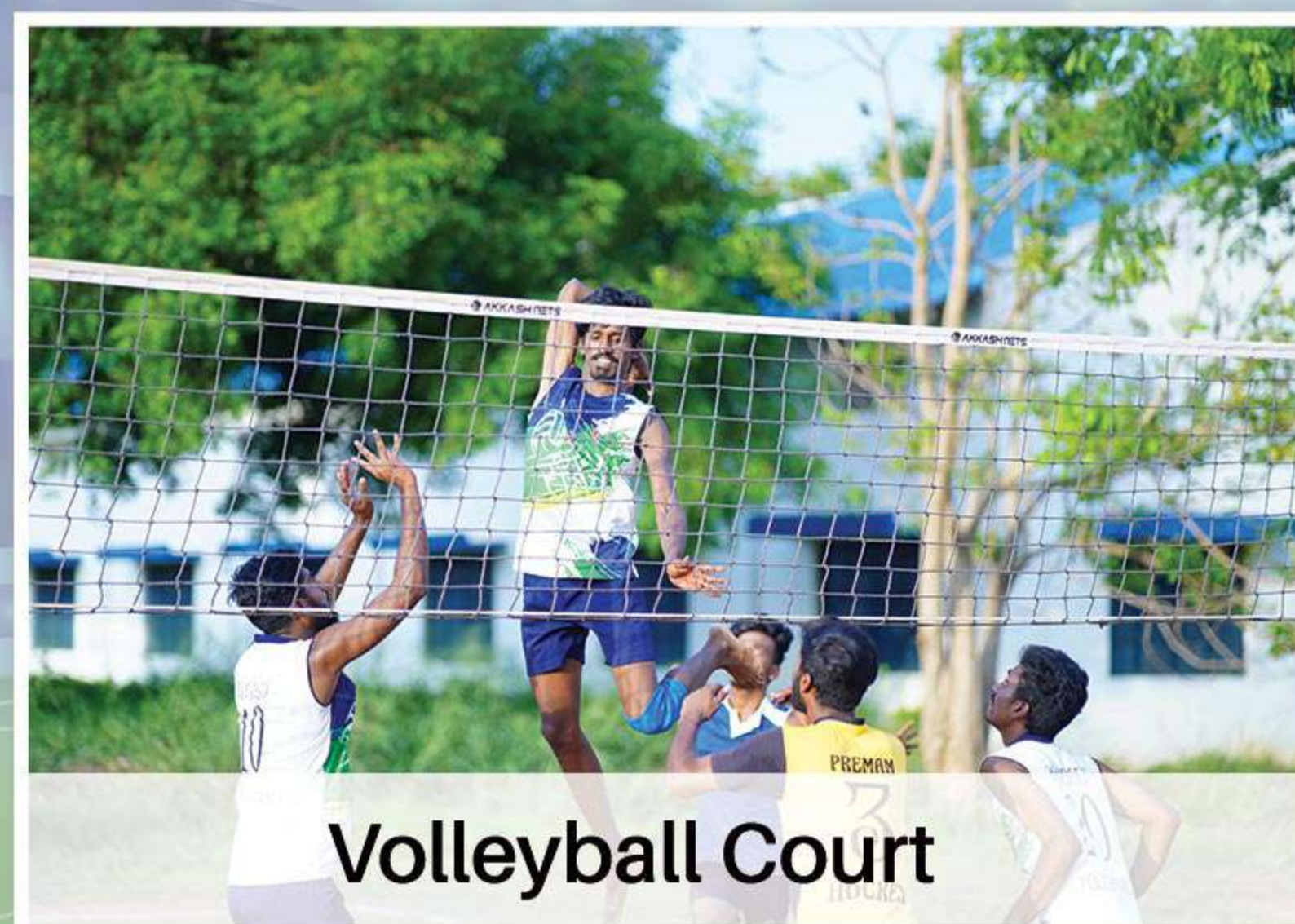& Kabaddi

Football Ground

Basket Ball court with Flood light

Indoor Badminton Court

Track and Field Events

Volleyball Court

Gym

Contact Details

email
info@mzcet.in

Phone
04333-294 400

Mobile
+91 97510 78404

Placement Officer
+91 81898 99790

Fax
080307 23678

Web
www.mzcet.in

Mount Zion College of Engineering and Technology,

Lena Vilakku, Pilivalam P.O,
Thirumayam Tk, Pudukkottai Dt – 622507,
Tamil Nadu, India.

MOUNT ZION EDUCATIONAL INSTITUTIONS
CELEBRATING
35 YEARS
est.1988
OF ACADEMIC EXCELLENCE

MOUNT ZION COLLEGE OF ENGINEERING & TECHNOLOGY
PUDUKKOTTAI-622507
TO MAKE MAN WHOLE