Dream BIG

Achieve GREAT

BACHELOR OF ENGINEERING

CIVIL ENGINEERING | MECHANICAL ENGINEERING | ELECTRICAL AND ELECTRONICS ENGINEERING | ELECTRONICS AND COMMUNICATION ENGINEERING | COMPUTER SCIENCE AND ENGINEERING

MASTER OF ENGINEERING

STRUCTURAL ENGINEERING | ENGINEERING DESIGN | POWER ELECTRONICS AND DRIVES | COMMUNICATION SYSTEMS | COMPUTER SCIENCE AND ENGINEERING

THE PLACEMENT C E L L

Government College of Engineering,

Tirunelveli,

Tamil Nadu

India– 627

007

OUR MISSION

Provide the best educational facilities to prepare the students for successful

career in a global society.

Enhance professional competency and analytical thinking to cater the needs of

The industry and research organizations.

Develop socially responsible technocrats with high ethical

And professional integrity.

OUR VISION

Our vision is to utilize the existing infrastural facilties to make this institution

a centre of learning,research,eminence and excellence.

CONTENTS

SCOPE

This brochure aims at bringing you all the present scenarios prevailing in our college campus. Through this brochure we would like to thank all our regular recruiters for believing in our vision and professional excellence in various sectors.

The idea of creating better technocrats, better leaders and importantly better citizens of India is the main core thing that distinguishes us from other colleges. We could proudly say that we bring out the best engineers.

Our institute is so much in demand that no more seats would be available in the campus on the fifth day of counselling.

This proves the society's belief in us and the Institute's care on them. We are proud to be a GCEian because it is a living dream of thousands in India and abroad. Having a marvelous achievement record of 35 successful years of enthusiastic educational service, the GCE stands quite on its own. Hope our performance speaks the rest.

PRINCIPAL'S MESSAGE

Government College of Engineering, Tirunelveli was established in the year 1981 to cater to the needs of down south people of Tamil Nadu. Started with only three branches in UG, now it has five branches with double intake in Mechanical and ECE branches. Our Institution has sound infrastructure and equipped with latest facilities. Our institution is also a recognised research centre to pursue research under Anna University, Chennai. All the faculties are well experienced and all the HODs have more than 30 years ofexperience. Our students come out with flying colours securing higher CGPA and university ranks.

Here the students are privileged and they acquirebest education.Apart from their academics, they are being shaped in all spheres including communication skills and personality development. Their proficiency in sports is also excellent. More than that they are really ethical and hence they will be an asset, if they are given a chance to serve in your organisation.

Dr. K. Manonmani M.E., Ph.D.,
Principal
Government College of Engineering
Tirunelveli.

PLACEMENT OFFICER'S MESSAGE

I am very proud to say that Government College of Engineering - Tirunelveli, a forty two years-old Institution is with a vision of developing ethically strong technocrats with abilities to adapt to technically and intellectually challenging environment.

The alumni of this great institution occupy higher and challenging posts in industries and technical institutions in India and abroad. Students of this institution are academically strong and theirparticipation in technical co-curricular activities are also remarkable. All the students of this institution eagerly attended In-plant trainings and technical exhibitions to have practical exposure. Soft skill and training guidance programmes are also organised for

moulding the students. leading multinational companies both in public and private sectors have been recruiting our students regularly over the past years.

I hope this booklet will highlight all salient features of our college and I wish all the best for each and every student of our college for his/her bright and beautiful future.

Dr. M. Gnanasundari M.E., Ph.D.,
Placement Officer
Government College of Engineering
Tirunelveli

ABOUT THE INSTITUTE

Having established in 1981, the Government College of Engineering, Tirunelveli is quenching the intellectual thirst of eager youth in South India. Our College's progress performance justifies our presence in the heart of the *Oxford of South India*, Palayamkottai. Providing all the necessary facilities to the students and the immense support from our highly experienced facul-

the reason for our remarkable growth in both academics and sports activities. The college, spread over an area of 55 acres, possesses excellent infrastructure and well-trained faculty to make the students dynamic.

This institute offers five undergraduates *(Civil, Mechanical, Electrical and Electronics,Electronics and Communication & Computer Science and Engineering)* and fivepostgraduates*(Structural Engineering,Engineering Design, Power Electronics & Drives, Communication Systems and Computer Science and Engineering)* programmes. Our curriculum is of high standard being structured by Anna University, Chennai to meet the modern industrial needs.

CIVIL ENGINEERING

Being one of the oldest departments in the GCE campus, the Department of Civil Engineering stands majestic on its own stands by not only moulding engineers with sharp technical knowledge but also with an awareness on Engineering Ethics and Human values, to instil moral and social values.

Architectural Planning, Pavement design, Construction and Infrastructure management skills of our students are competing with the real world experienced engineers.

Laboratories

- Strength of Materials Laboratory
- Concrete Laboratory
- Highway Laboratory
- Hydraulic Laboratory
- Geo-technical Laboratory
- Survey Laboratory
- Environmental Engineering Laboratory
- CAD Laboratory

Curriculum

- Engineering Mechanics
- Construction Materials
- Fluid Mechanics
- Engineering Geology
- Applied Hydraulic Engineering
- Soil Mechanics
- Highway Engineering
- Foundation Engineering
- Structural Design and Drawing
- Hydrology and Water
- Resources Engineering

Milestones

- Department of civil Engineering undertaking various Testing and consultancy works for different organizations including central and state government projects and private sectors.
- Group of 6 students from our department represented our college in SMART INDIA HACKATHON, 2022 held in Jaipur conducted by Government of India.
- 7 students from civil engineering got Anna University ranks in the 2021 exams.

Formations

- *CIVILORIA* - a National level symposium is conducted every year
- Coaching classes for GATE and CAT are held regularly
- Seminar classes on technical topics, group discussions and technical quiz are held to boost up the knowledge of our students
- Personality development programmes and placement training programmes are held regularly
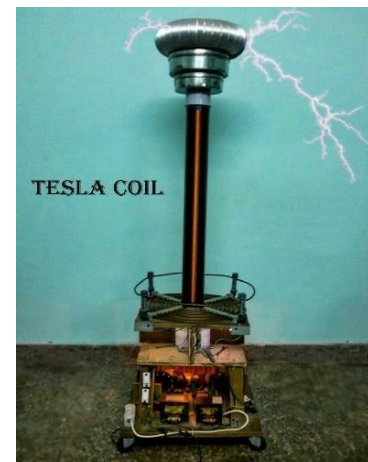
MECHANICAL ENGINEERING

The *Mechanical Engineering Department* takes great pride in the accomplishments of its students and it encourages all students and graduates to uphold the highest standards of professional integrity. The Department has a long and distinguished history, full of laudable individuals and notable achievements.

Laboratories

- CAD/CAM Laboratory
- Mechatronics Laboratory
- Microprocessor Laboratory
- General Machines Laboratory
- Special Machines Laboratory
- IC Engines Laboratory
- Dynamics Laboratory
- Metallurgy Laboratory
- Metrology Laboratory
- Thermal Engineering Laboratory
- Foundry and Smithy Shop
- Dynamics Laboratory
- Boiler House

Curriculum

- Applied Thermodynamics & Thermal Engineering
- Fluids Mechanics
- Gas dynamics and space propulsion
- Applied Hydraulics and Pneumatics
- Power plant Engineering
- Robotics
- Metrology and Inspection
- Professional ethics and Principles of management
- Design of Machine elements and Transmission element
- CAD/CAM
- Mechatronics
- Finite Elements Analaysis

Milestones

- Three students have secured GATE score in 2020.
- More than 100 students have attended Internship program in various prestigious companies like Nova DCW, Carbon, SPIC, hove Various in NSIC, Zoho, MSME, Bosch, Venus Apple cookware etc.

- Four students have participated in In-plant training conducted by Thoothukudi Thermal Power Plant..
- Five student have participated in Smart India Grand Finale Hackathon, 2022.
- M.E students have conducted attended workshops by JERB and CEO.

Formations

- *METIQUEST* – A National level Technical symposium is conducted every year in a manner befitting a world class knowledge quest.
- Industrial related workshop and technical events are being conducted by the association every year to expose the talent of the students in the competitive world.
- The other most appreciated programs conducted by the Mechanical Engineers Association are coaching classes for competitive exams like GATE, IES, TANCET,Career guidance programs, Guest lectures and Intra college seminar etc.
- *TECH EXPO* – An inter college project presentation battle that brings out many new stactics in the field of Mechanical Engineering.

ELECTRICAL AND ELECTRONICS ENGINEERING

The department of *Electrical and Electronics Engineering* comprises of an excellent qualified team of faculty and well-practised technical staffs. The department not only trains the students with razor-sharp technical knowledge but also helps to understand Engineering Ethics and human values.

The department caters to the students with advanced technology so as to meet the requirements of industries and research.

Laboratories:

- Electronics Devices and Circuits laboratory
- AC and DC Machines laboratory
- Power Electronics and drives laboratory
- Microprocessor and Microcontroller laboratory
- Digital and Linear Integrated Circuits laboratory
- control and Instrumentations laboratory

Curriculum:

- Electrical Machines
- Special Electrical Machines
- Measurements and Instrumentations
- Electrical Circuits
- Electromagnetic Field Theory
- Transmission and Distribution
- Electronic Devices and ICs
- Control systems
- Power Electronics
- Microprocessor and Microcontroller
- Smart Grid
- High Voltage Engineering
- Embedded system
- Discrete time system and signal processing
- Sensors and transducers
- Intellectual property rights

Milestones:

- Belbina Ann.B of 2021 batch has secured 22nd Rank in Anna University exam.
- Three students of 2022 batch have secured GATE exams in their 1st attempt.
- Undergone Inplant training in Tutucorin Thermal Power Station (TTPS), Southern Petrochemical Industries Corporation (SPIC) and Wind Turbine Research station(WTRS)
- Internship at ZOHO, BSNL and Icanio technologies.
- Visited Various Industries like Koodankulam Nuclear Power plant, power grid, and TRACO Cable Company
- Apart from that students had also learnt foreign language classes conducted by Directorate of Technical Education.
- LEAP (Learning Engineering through Activity Program) classes are conducted for skill training and arduino programming. Innovative projects were done by students of multiple departments together as a team.

ELECTRONICS AND COMMUNICATION ENGINEERING

The department of *Electronics and Communication Engineering* with a history dating back to 1981, is one of the successful departments, with a maximum number of placement record and pass percentage in South Tamil Nadu.

Creating several milestones in its development timeline, the department looks special in its own discipline.

Laboratories

- Electronic Devices and Circuits laboratory
- Analog & digital Circuits laboratory
- Linear Integrated Circuits laboratory
- DSP laboratory
- Communication system laboratory
- Computer Networking laboratory
- Microprocessor & Microcontroller laboratory
- Microwave and Optical communication laboratory
- VLSI design laboratory

Curriculum

- Electronic devices & circuits
- Integrated circuits & VLSI design
- Satellite & mobile communication
- Digital signal processing
- Microprocessor & Microcontroller
- Computer architecture
- Analog & Digital Communication
- Wave propagation and antenna theory

- Embedded Systems
- Microwave & fibre optics
- C, C++, Data structure

Milestones

- More than 50 students have undergone Internship at BSNL Tirunelveli.
- More than 50 students have undergone Internship at NSIC Chennai.
- Inter-College Paper Presentation and Technical Events Competitions were conducted on Inauguration Day.
- Many students have won prizes in paper presentations and symposiums conducted by other. Colleges.
- Many students have participated in NPTEL Examinations and got certified with silver badger and some of them got certified as toppers of the course
- Many technical events have been conducted by the association to expose the students to the competitive world.

COMPUTER SCIENCE AND ENGINEERING

The department of **Computer Science and Engineering** has evolved in GCE from the year 1989. The department offers both under graduate and Post graduate Programmes in its discipline.

The Department produces High Quality Engineering Graduates with innovative technology for the benefit of society. Promote innovation centric education and develop human resources with creativity in the field of computer science and engineering.

Laboratories

- Compiler design and DBMS laboratory
- Multimedia and Graphics laboratory
- Case Tools laboratory
- Networking, Web Technology, Internet laboratory
- OS, System software laboratory
- Data structures laboratory
- Visual Programming laboratory
- Microprocessor and Microcontroller laboratory
- Data Science laboratory

Curriculum

- C, C++, Java, Python
- Visual Studio
- Oracle,PHP
- RED HAT Linux server
- Scripting language
- Software Testing
- Structured Query Language
- Object Oriented Programming
- Database Management Systems
- Computer Architecture
- Computer Graphics

- Machine Learning andArtificial Intelligence
- Data Science
- Operating System

Milestones

- The winners of SMART INDIA HACKATHON 2022 Conducted by AICTE and ministry of Innovation.
- Got 69th all India rank in coding Ninjas Competition by AICTE
- Internships at BSNL, ZOHO, Icanio Technologies.

Formations

- *Hashtag* - a National Level Technical Symposium is organized every year since the inception of the Department
- Coaching classes for soft skills, competitive exams, technical support, personality development are conducted regularly
- Surfing access at 100Mbps and Video Conferencing Facility is available for the betterment of students and faculty members
- Leap classes:For skill training, Arduino programming, Innovative Projects by multiple department Students together as a team.

NON-ENGINEERING DEPARTMENTS

The Non-engineering departments play a very important role in every GCEians life. Their incomparable work in forming a bridge between the school education and professional college life, take the supreme position in the hall of fame. The facilities and care provided to the students are marvellous and it is the peculiar character of the college.

Department of English

The department of *English* plays a vital role in enhancing communication skills among the students in their four year course of study. A separate lab for Communication, equipped with high end computer systems, is functioning under the department and is accessible during college

Department of Mathematics

The department of *Mathematics* with well talented experienced faculties guide the students in understanding the concepts of basics with a high care. The department is known for its dedication in making the students, skilful in calculating iterations and wave equations.

Department of Chemistry

The Department of *Chemistry* imparts teaching to undergraduate students across all streams in the first and second semesters for both theory &sessional. The laboratory of the department is well equipped with sophisticated equipment's which include UV Visible Spectrophotometer, Flame Photometer, paper Chromatograph, Ion Analyser, and Melting Point Apparatus etc.
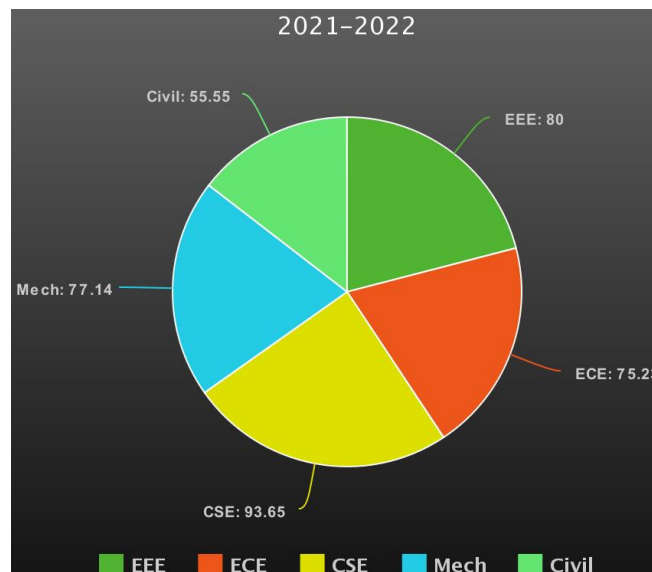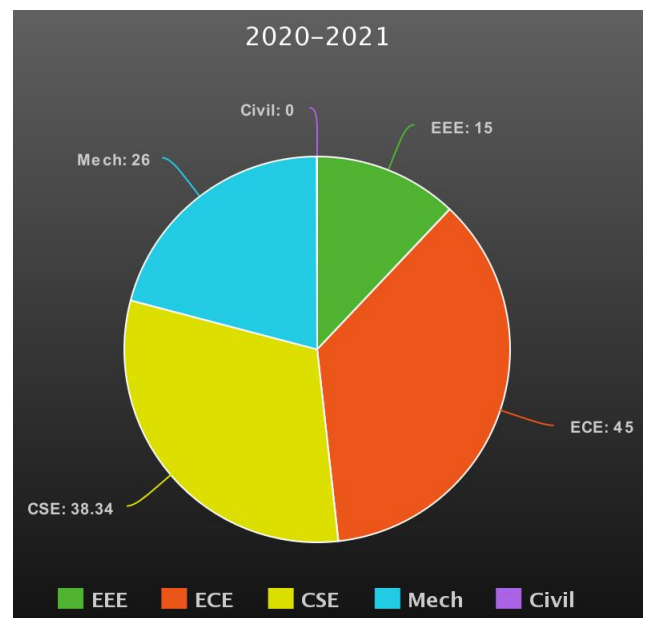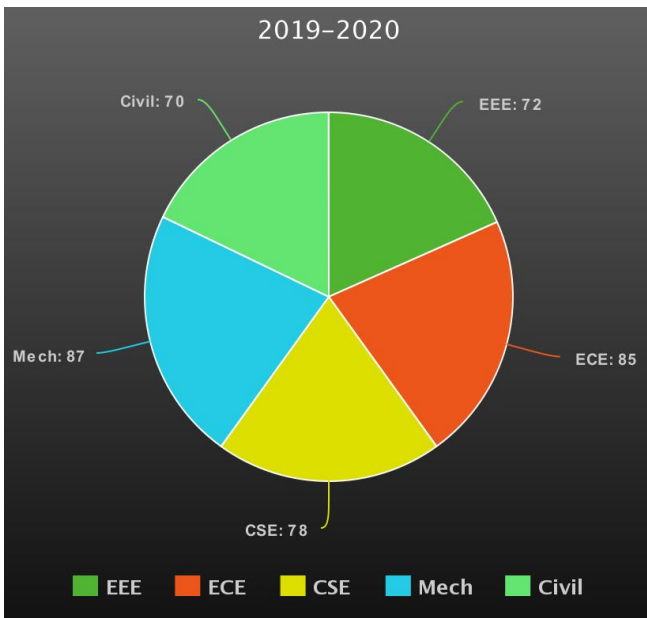

Department of Physics

The laboratory facility of the department of **Physics** is comparable to other modern laboratories in premier institutes. Other than fundamental courses like Quantum Mechanics, Classical Mechanics, Electrodynamics, Solid state physics etc., Doctoral research works are also carried out.

PLACEMENT RECORDS

Government College of Engineering - Tirunelveli remains untouched in many records for the past 30 years and this is the spirit of GCE Tirunelveli. It's this spirit that every GCEian inhales and carry forward wherever they go. The pennant of this spirit has been not to walk on the path already taken, but to enroot new route and be the first to respond to the needs of the people and the nation.

OVERALL PLACEMENT

2019–2020

Civil: 70 EEE: 72
Mech: 87 ECE: 85
CSE: 78

EEE ECE CSE Mech Civil

2020–2021

Civil: 0 EEE: 15
Mech: 26 ECE: 45
CSE: 38.34

EEE ECE CSE Mech Civil

2021–2022

Civil: 55.55 EEE: 80
Mech: 77.14 ECE: 75.23
CSE: 93.65

EEE ECE CSE Mech Civil

Placement Cell

The **Placement Cell** plays a crucial role in locating job opportunities for Under Graduates and Post Graduates passing out from the college by keeping in touch with reputed firms and industrial establishments.

The Placement Cell in GCE is located along with the Computer Science and Engineering M.E. Block.

COLLEGE INFRASTRUCTURE

Library

The college library is housed in a separate block. The library contains books pertaining to the courses of study offered in this institution. A limited number of books of general interest are also available. The library has about 18000 titles and 38190 volumes. Additions are made every year. Further the library subscribes to 37 Indian magazines and journals and 3 foreign journals. It follows the open access system. The universal decimal classification system is adopted in the library.

Computer Centre

The Central Computer centre offers round the clock services with an uninterrupted power supply to students on the campus with the latest infrastructure supporting the research and studies at the campus. There are more than 60 computers which are provided to the students for their research and educational works.

Internet

Internet facilities with a bandwidth of 100Mbps are provided for all Departments for the benefit of students. Hostels are provided with Wi-Fi for internet connection which will further improve their knowledge in studies. All Departments are interconnected with network.

Conference Hall

Conference hall is the place where all the meetings, conferences, are conducted. In some cases it may also be used as an interview hall.

Banking

The college has 24 hour ATM facility. A branch of *Canara Bank* is also functioning inside the campus.

Sports and Games

Facilities are available for playing games such as Cricket, Hockey, Foot Ball, Volley Ball, Ball Badminton, Basket Ball, Tennis, Shuttle, Kabaddi, Table Tennis, Chess, and Weight lifting. An indoor stadium with International standards for shuttle, with turf floor is available. A stadium for Tennis with synthetic flooring is also available.

Transport

The college bus is available for use by students and staff at prescribed rates. It makes regular trips between the college and Shanthi Nagar via Palayamkottai bus stand, Market and High ground for the benefit of day scholars and members of staff. The bus is also used by students for their visits to industries in and around Tirunelveli.
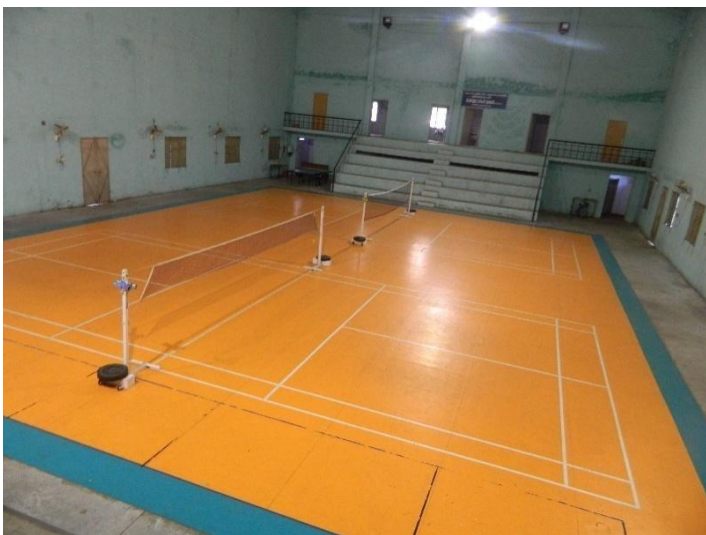
Hostel Facilities

The college has eight hostels - Kaveri, Porunai, Vaigai, Manimutharu & Sittraru for men and Amaravathi, Bhavani and Narmadha for women, providing accommodation to over 700 boys and 300 girls. The Hostel has excellent water facilities, uninterrupted power supply, dividing system for Mess, Television, Reading Hall, Newspapers, Wi- Fi etc.

Uninterrupted Power

The college has got uninterrupted power supply. The power supply is maintained by an inbuilt 'power house'.

CLUBS

National Service Scheme (NSS)

NSS was started with an aim of creating awareness among the student community. Blood donation camp, first aid awareness program, guest lectures on health, cleanliness are conducted periodically. Every year NSS camp is organized by the college in some rural areas for creating awareness among people.

ISTE Staff Chapter

The lSTE Staff Chapter aims at improvement of the quality of Technical Education. It functions actively throughout the year. This chapter conducts lectures, seminars, programmes on latest technical and general topics by inviting eminent persons.

Rotaract Club

The college has an active Rotaract Club which was inaugurated by its parent club, the Rotary Club of Tirunelveli on 9th September, 2008. Since its inception, the club actively organizes several awareness programmes, Blood donation camps, etc. This club is also keenly involved in the college's placement training programmes. It is conducting several mock interviews with the help of its parent club for the betterment of the college students.

Yoga Club

The Yoga club was started in the year 2008. Its objective is to bring out the inherent talent of

meditation courses, Asanas and personality development programs to commemorate the International yoga day every year.

Red Ribbon Club

This club was established in the year 2007. It conducts blood donation camp annually, in which students of the college participate to help the needy in the Government Hospital in Tirunelveli.

Anti-Corruption Club

This club was started to increase awareness for anti-corruption. The ultimate aim of the club is to Activate & Motivate students against corruption and to build a corrupt free society.

Citizen Consumer Club

The main purpose of the club is to promote awareness for students on Consumer Rights and to educate the students regarding Purchase, Billing, etc.

Students' Association

The college incorporates a students' association. Elected student representatives and the staff advisor from each class are nominated for the council of representatives by the principal which constitutes the Students' Association.

Tamil Mandram

Our College Tamil Mandram conducts special meetings, holds elocution and essay competi-

competitions every year. It brings out the linguistic talents of students. It serves as a driving force for the growth of the Tamil Language.

Fine Arts Association

The Fine Arts Association aims in bringing out the artistic and histrionic talents of students. It provides opportunities for the students to improve their creativity and team work.

ISTE Students' Chapter

An ISTE student chapter was started in the year 1994. This chapter arranges lectures, seminars, computer courses and conducts quiz events inviting connoisseurs. It also arranges Personality Development Programmes, Entrepreneurship Programmes and GATE coaching classes.

Science Association

The Science Association is intended for the benefit of I year B. E. students. The aim of this association is to provide knowledge regarding various scientific facts and applications among youngsters through special lectures by eminent scholars.

Alumni Association

Alumni Association is registered in 2017 may.The aim of the Alumni Association is to conduct periodic workshops and seminars. It creates awareness in the students regarding recent trends in industry, recruitment opportunities

and scope for higher studies. It sponsors various training programmes that are being conducted periodically. It maintains a healthy network of web portal creating vistas to reach the unbounded horizons.

Literary & Debating Society

A Literary and Debating Society has taken shape under the auspices of the Department of English. The objective of this society is to improve students' Communication, Presentation and Interpersonal skills. It also conducts mock interviews and group Discussions.

Placement Cell

The main aim of every college student is to get placed in a reputed company. The students should therefore set out their aims and plans right from the very beginning and work hard for the fulfilment of their dreams. The Placement Cell aims at providing good placements to the students. Placement Representatives are selected from each department every year and coordinated together by the Placement officer. A separate block for Placements is allocated in 2017 for the benefit of placement related activities. The young engineers of today should not be the money or material minded. But they should work together for the development of our society.

Quality Improvement Cell

Quality improvement in education is considered to be one of the most indispensable to improve the quality and standard of education especially in engineering Colleges. The Department of Faculty Development, Anna University has initiated the Quality Improvement Cell in all the Engineering Colleges to ensure the standard expected by the contemporary industries across the globe. QIC, was established in our institute with nominees from respective branches, including the Librarian.

Activities of Quality Improvement Cell

- To promote self-learning among the students.

- To use NPTEL videos composed by IIT.

    NPTEL web and video courses for many of the subjects are made available to the students through Quality Improvement Cell.

- To use Spoken Tutorial of IIT Bombay

    Spoken tutorial for many of the through Quality Improvement Cell. Spoken tutorial workshops/Training classes/Online Tests are organized during the course of study.

- To use MOOC Courses.

    Students are given awareness and encouragements to participate in MOOCs conducted by IIT Bombay in various engineering subjects.

- In the blended learning mode, apart from the text books, faculty members go through the video lectures provided by eminent scholars / institutions so that teaching- learning process will be effective.

Tech-Expo

An Intra College Technical Exhibition is conducted every year that brings out talents of every student in each discipline. Deserving projects from each department are awarded with cash prizes. Field experts from various institutions and industrial firms are invoked to judge the projects.

SPORTS

All India Tournaments

- M.Jaya Maris Kannan,III – Civil Represented TamilNadu Tennikoit Team And Secured Winners

Ball Badminton

- Men – second (Zone – 18)

Football

- Men – Winner(Einstein Sports League)

Volleyball

- Women-First(District level)

Kabaddi

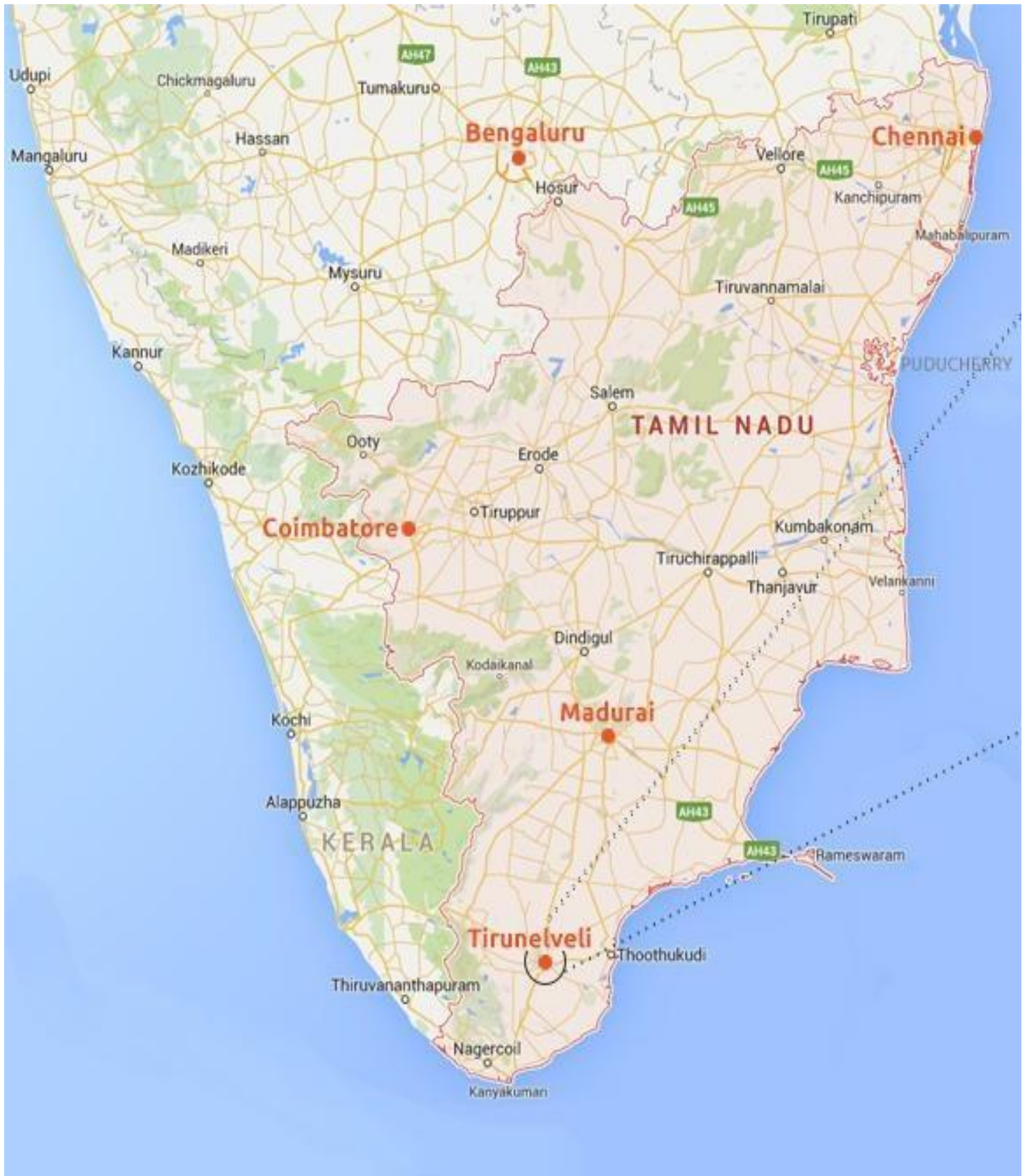- Women – Runners(Einstein Sports League)

Basketball

- Men – Winner(Einstein Sports League)

Kho-Kho

- Men – Winner(Einstein Sports League)

WAY TO

GCE

Map of Tirunelveli City

Nearest Bus Stand

Tirunelveli M.G.R Bus Stand   1.7 km   3 min*

Nearest Railway Station

Tirunelveli Railway Junction   6.7 km   10 min*

Surrounding Airports

Tuticorin Airport   45 km   45 min*

Madurai International Airport   170 km   2 hr 30 min*
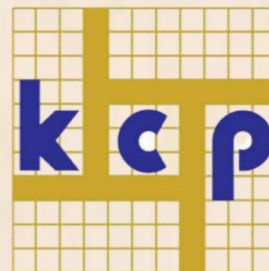
Trivandrum International Airport   143 km   3 hr*

OUR RECRUITERS

CONTACT US

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