



*We Make You Shine*  
**St. JOSEPH'S INSTITUTE OF TECHNOLOGY**  
 (An Autonomous Institution)  
**St. Joseph's Group of Institutions**



OMR, Chennai - 119



# DEPARTMENT OF MECHANICAL ENGINEERING

**COUNSELING CODE: 1149**

## FACULTY

- Doctorates.....04
- Pursuing Ph.D .....11
- M.E. /M.Tech.....02

## RESEARCH GRANTS

- DST/SERB/AICTE.....Rs. 1,50,000
- TNSCST.....Rs. 42,500

## PATENTS

- Granted.....14
- Published .....30

## RESEARCH PAPER PUBLISHED

150.....SCI/WoS/SCOPUS

## PROFESSIONAL BODIES

SAE/IEI/ISHRAE

## PLACEMENT OFFERS(2022-2023)

70\*

## Best Student Award

IEI .....5

Consultancy of worth Rs. 10,00,000



Accredited by NBA since 2017

Average Experience of Faculties- 8

MOU with 8 Reputed Industry

Recognized as Research Centre

AU approved Supervisors -3

**FOR ADMISSION CONTACT**

☎ 9940104881

☎ 9940104882

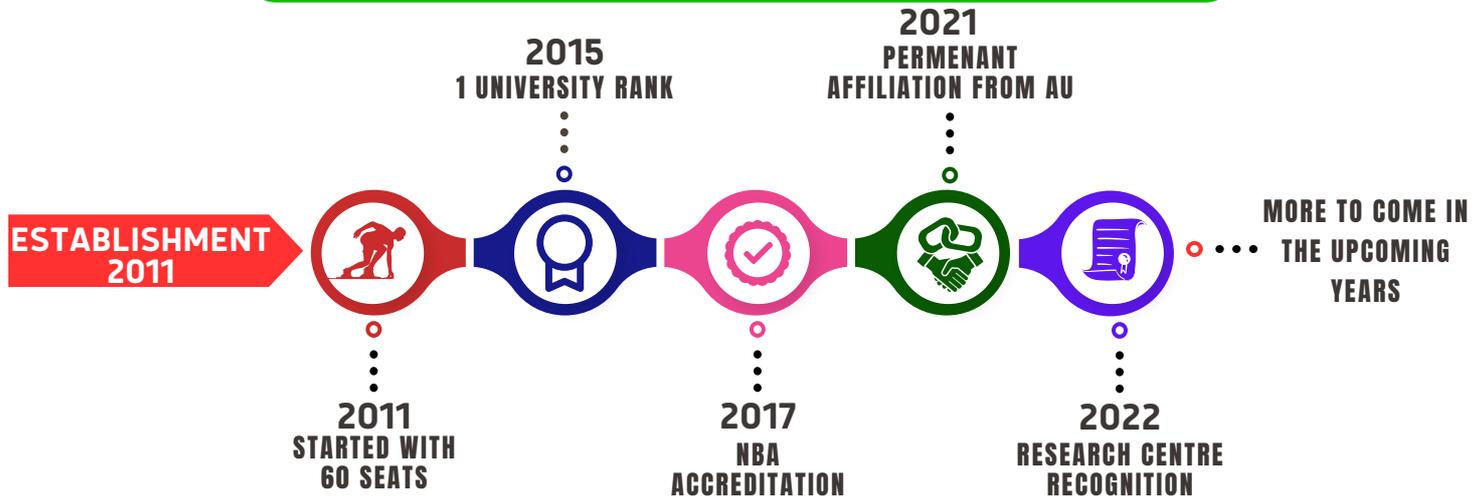
**FOR FURTHER INFORMATION**

[www.stjosephstechnology.ac.in](http://www.stjosephstechnology.ac.in)

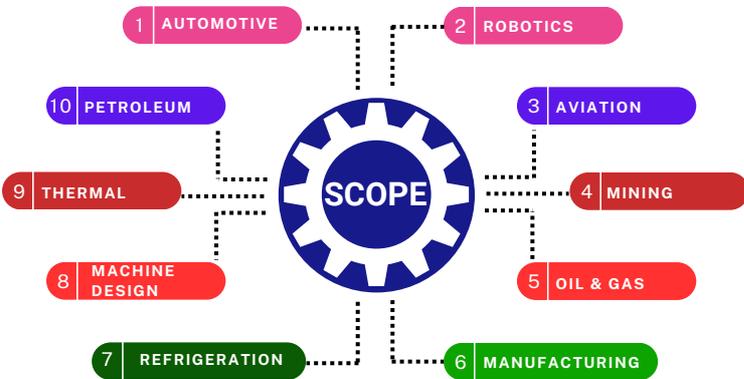
# ABOUT DEPARTMENT OF MECHANICAL ENGINEERING

Established in the year 2011, the Department of Mechanical Engineering has excelled in its infrastructural facilities keeping pace with the latest development in technologies. The department is accredited by the National Board of Accreditation in 2017 and Secured Permanent Affiliation from ANNA UNIVERSITY, CHENNAI in 2021 and is backed by professionally experienced and highly qualified faculty and supporting staff.

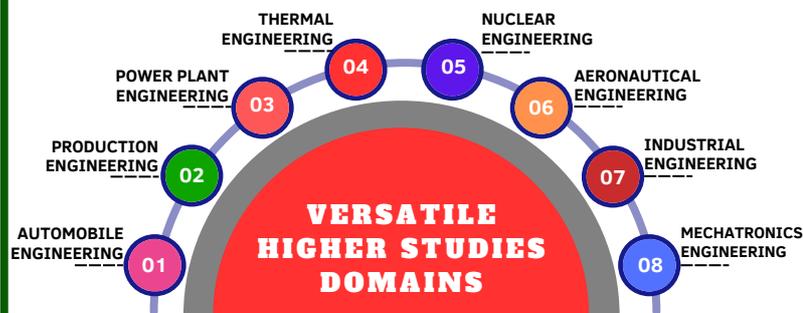
## GENESIS OF THE DEPARTMENT



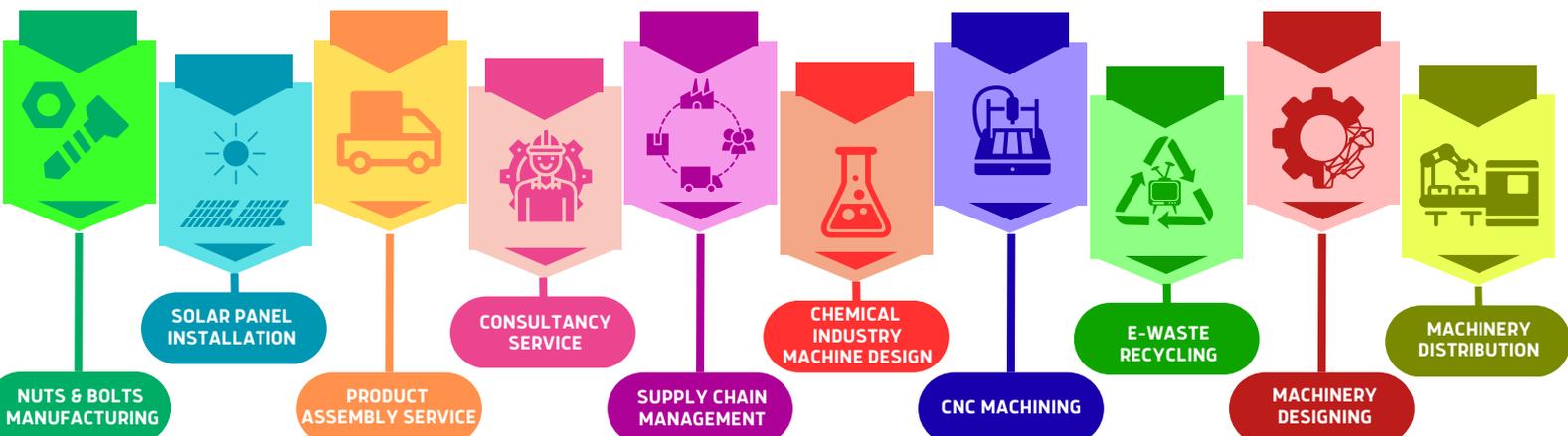
## SCOPE FOR MECHANICAL ENGINEERING



## SCOPE FOR HIGHER STUDIES



## SCOPE FOR ENTREPRENEURSHIP



**COUNSELING CODE:1149**

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# LAB FACILITIES/PROFESSIONALS BODIES/STAFF ACHIEVEMENTS

## WELL ESTABLISHED LABORATORIES



**ENGG. PRACTICES  
LABORATORY**

**MANUFACTURING  
LABORATORY**

**THERMAL  
LABORATORY**

**CAD/CAM  
LABORATORY**

**METROLOGY  
LABORATORY**

**MECHATRONICS  
LABORATORY**

**DYNAMICS  
LABORATORY**

**SOM  
LABORATORY**

## PROFESSIONAL BODIES ACTIVITIES

### SAE

Currently there are 56 active members under SAE and through SAE 24 events have been organized till date. Students have participated in 6 National Level competitions and won 3 among them. Effectively participated in the Tractor Design Competition 2018 and has won "The Best Durability Award" with a cash prize of Rs. 25,000/-

### ISHRAE

In ISHRAE there are 30 active members and 2 Faculties have membership in our Department. We have organized 12 events through ISHRAE and we have received Rs. 30,000 as a fund for Student Project. Totally 6 Students have got offers from various reputed Industries through ISHRAE.

### IEI

Totally there are 6 Faculties and 95 Students in IEI. Through IEI Our Department have organized 80 events. 20 Competitions have been conducted till date and we have received 20 awards from IEI We have received Rs. 1,00,000 as a fund from IEI and 4 Students have received their placement offer through IEI

## STAFF RECOGNITION & ACHIEVEMENTS

**ANNA UNIVERSITY RECOGNIZED  
SUPERVISORS**

**3**

**Dr. D. ELIL RAJA**

**Dr. M. CHRISPIN DAS**

**Dr. N. THANGAPANDIAN**

**3**

**TNSCST FUNDS FOR FINAL  
YEAR PROJECT WORK**

**Mr. T. PRABHURAM**

YEAR 2022-Rs. 7,500

**Mr. S. JAGADEESH**

YEAR 2023-Rs. 7,500

**Dr. V. SAVITHIRI**

YEAR 2020-Rs. 7,500

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# Faculty Publications/MoU/Activities

## PUBLICATION/PATENT/CONSULTANCY/BOOKS&CHAPTES

605

CONFERENCES

23

CONSULTANCY

536

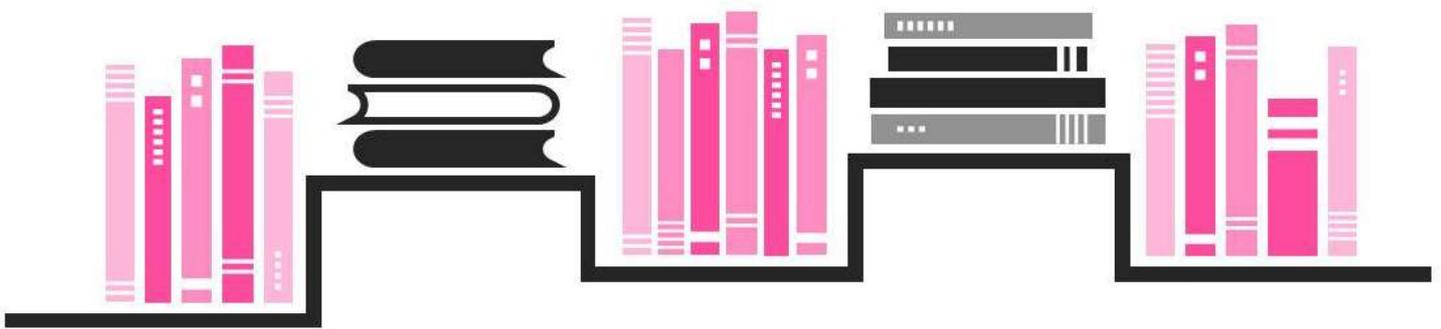
JOURNALS

44

PATENT

28

BOOKS & CHAPTERS



## Memorandum of Understanding



### Civil Service Academy

St. Joseph's Civil Service Academy have systematic plans to make the toughest journey for preparing Civil Service Exam with several challenges in to an achiveable goal to students. 68 of our students are currently undergoing this training.

### Defence Service Academy

St. Joseph's Defense officer Academy aims to develop competitive attribute along with strong academic base by quality teaching and individual attention among the students. The academy trains all of the students at free of cost. 45 of our students are currently undergoing this training.

MoUs with CADD India, Shri SAI NDT, Goodwin Motors, CADD Centre & CADDAM Technologies has played a key role in technological upgradation, innovation and a sense of competitiveness amongst our students.

### St. JOSEPH'S (விடிவெள்ளி)

### ALUMNI MEET

### FDP & WORKSHOPS



To give to the needy is true charity. All other gifts have a nature of measured return. Each human being has equal opportunity to have a peace living. Every one of us should give more to private and charitable effort to eliminate poverty. Our Chairman desires for extending his support to the homes for the aged people, children suffering with cerebral palsy and orphanages through St. Joseph's விடிவெள்ளி, a non-governmental organization.

**Total no of NGO Homes Visted- 126**

Department organizes Alumni meet every year that enables the alumni community shares their outside world experience, which they faced after stepping out of the institution.

**Total no of Alumini Meet Organized- 16**

Department has regular practice of conducting Faculty Development Programs and Workshops for the faculties and students that indented to impart knowledge on recent technological advancement in various fields of engineering.

**Total no of FDP Organized- 11**

**No of Sponsored FDP -6**

**Total no of Workshop Organized- 26**

**No of Students Workshop organized-18**

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## VALUE ADDED COURSE GUEST LECTURE

The Department is unique in conducting various training program to make the students specialize in the current technologies in their core fields. In this regards, We are conducting VALUE ADDED COURSES to enhance their knowledge and to have a real time industrial experience.



## INDUSTRIAL VISIT

The Department of Mechanical Engineering is arranging Industrial visits for all the students once in every Semester. The Students will have a lively experience and exposure to various processes carried out in the industry and they can make themselves aware of recent trends in the organizations.



## IN-PLANT TRAINING & INTERNSHIPS

To enhance learning skills, technical knowledge, creativity, our students are encouraged to undergo In-plant training and internship.



## Intra Department Symposium

Students can participate the events conducted to nurture the talents competing within the department to find the spark and to bring out thier talents( Studenst are awarded with cash prize worth Rs10,000/-



## Inter College Symposium

Students from various colleges take part in the co-curricular and technical competitions organized and co-ordinated by our students. Tthe winners are awarded with cash prize and certificate by college. (Cash Prize worth Rs.33,000/

CODING CLUB

HACKATHON CLUB

ROBOTICS CLUB

ENGLISH CLUB

TAMIL CLUB

DRAMATIC CLUB

MUSIC CLUB

MATHEMATICS CLUB

DEFENCE ACADEMY

ENTERPERNEURSHIP DEVELOPMENT CLUB

DANCE CLUB

CIVIL SERVICE ACADEMY

QUIZ CLUB

GREEN ENERGY CLUB

ECO-SOC CLUB

SCIENCE CLUB

16 COLLEGE LEVEL CLUB ACTIVITIES CONDUCTED EVERY MONTH AND THE WINNERS ARE AWARDED WITH CASH PRIZE AND MERIT CERTIFICATES

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# STUDENTS ACHIEVEMENTS



## ANNA UNIVERSITY RANK

Mr. M. Pachaimuthu (2011-2015) from our Department bagged 43rd rank in Anna University which adds a feather to our crown. The Rank holder was honored by giving a cash prize worth Rs. 25, 000 and a shield.



## MANAGEMENT FUNDED PROJECTS

### IRON BOT

The robot suit is designed (using Autodesk Maya & Papekura Software) and fabricated using hand lay-up Techniques. The links and joints made up of mild steel frames the skeleton of the robot. Fiber reinforced E-waste composite makes the exterior robot parts. Our beloved Chairman sanctioned Rs.1,00,000 for this fabrication



### IGNITO – THE TRACTOR

“IGNITO – The Tractor” can be used in the various fields such as Agriculture, farm gardens, and small scale industries. The management of St. Joseph’s Institute of Technology has contributed the total sum of Rs.1,76,000 for the fabrication of this project and our Students bagged first spot in National level design Competition.



### DRONE ALPHA

A machine that helps us with surveillance as well as rescue operations. An aerial view of any location gives us a clear idea of where we are. Apart from flying, we have included many features in our Drone.

### SOLAR ATV

Our Students have designed and fabricated an eco friendly ATV powered by solar energy. It can carry 66lbs load on the front track and 96 lbs on the rear.

We are Happy to say that the cost incurred for the fabrication was sanctioned by our beloved Chairman Dr. B. Babu Manoharan



### MEGA ATV

The SAE Student has participated in National level MEGA ATV CHAMPIONSHIP SEASON- 4 organized by AUTO SPORTS India, held from 18-3-19 to 20-3-19 in PERANAM, GOA and secured 3rd amongst Tamil Nadu colleges and overall secured 39th position in All India level



## ISHRAE FUNDED PROJECTS

Performance Enhancement of domestic refrigerator using phase change material

Mr. G. Roshan Akthar  
Mr. Rehan Baig

2016-2020 BATCH  
FUNDED AMOUNT-Rs. 30,000

Experimental study of hydrocarbon refrigerant with mixture of nanoparticle

Mr. Pravin P.M.S  
Mr. Nisaanth Melvin J

2013-2017 BATCH  
FUNDED AMOUNT-Rs. 30,000

## TNSCST FUNDED PROJECTS

Development and mechanical characterization of jute fiber reinforced flower powder particulate polyester composite

Mr. Jegath Greeny E.S  
Mr. Hariharan K

2013-2017 BATCH  
FUNDED AMOUNT-Rs. 7,500

Design and Fabrication of Magnetic Suspension System

Mr. Dhuvarakanath S  
Mr. Dinesh Kumar U

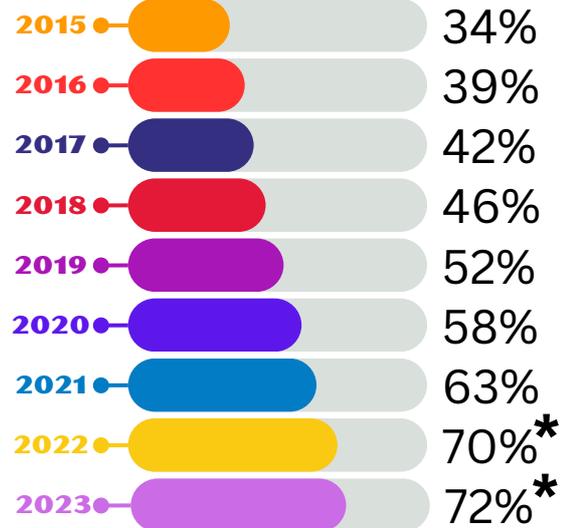
2019-2023 BATCH  
FUNDED AMOUNT-Rs. 7,500

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FOR FURTHER INFORMATION

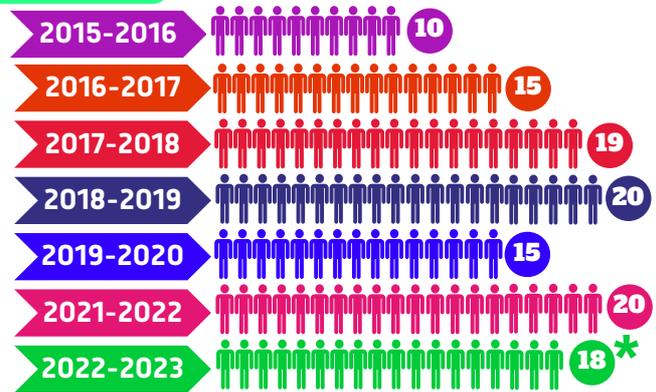
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## PLACEMENT OFFERS



Pay Package ranges from 3.5 lakhs to 15 lakhs

## HIGHER STUDIES



## ELITE ALUMNI



Mr. Yogendar. V  
Batch (2014-2018)  
Tamil Nadu Police



Mr. Lokesh. R  
Batch (2011-2015)  
Tamil Nadu Police



Mr. Venugopalan. K  
Batch (2014-2018)  
Indian Railways



Mr. Rohith Kumar  
Batch (2014-2018)  
Cochin-Shipyard



Ms. Nandhini. R  
Batch (2018-2022)  
Soliton



Ms. Pavithra. L  
Batch (2014-2018)  
Ashok Leyland



Mr. Revanth. A  
Batch (2014-2018)  
TN Forest Dept.



Mr. Naveen Chandar. A  
Batch (2015-2019)  
Indian AirForce



Mr. BalamaniKandan  
Batch (2011-2015)  
Sapiens Tech



Mr. Vinith. R  
Batch (2012-2016)  
Tamil Nadu Police



Mr. Joseph Alexander  
Batch (2012-2016)  
Samsung Electronics



Mr. Alpo Dany  
Batch (2014-2018)  
Royal Bank Canada



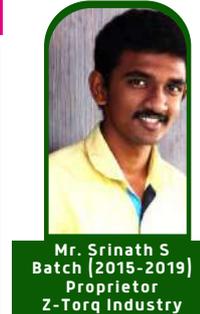
Mr. Bede Abishek J  
Batch (2015-2019)  
DACHSER-GERMANY



Mr. Danish Faraaz  
Batch (2015-2019)  
Water Tech - USA

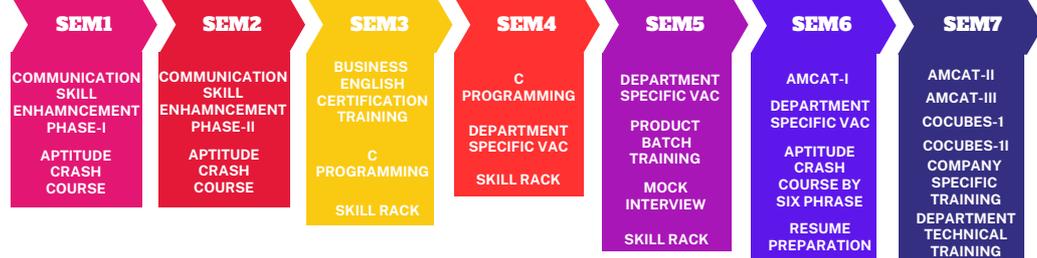


Mr. Natarajan A K  
Batch (2012-2016)  
Proprietor  
Rapidxtrusions



Mr. Srinath S  
Batch (2015-2019)  
Proprietor  
Z-Torq Industry

## SEMESTER WISE PLACEMENT TRAINING PROGRAM



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# WHY St. JOSEPH'S



- ⚙️ We motivate and prepare our students to excel in all aspects.
- ⚙️ 12 years of academic excellence in Engineering Education, offering 6 UG programs and 1 PG program.
- ⚙️ Secured 39 University Ranks with 1 Silver medal since inception.
- ⚙️ The courses offered (B.E. - CSE, ECE, EEE, Mech. Engg. & B.Tech-IT) have been accredited by NBA in 2017 in the shortest span of 6 years since inception, which ascertains our quality.
- ⚙️ Rated 4.5 Stars by the Institution's Innovation Council (IIC) of Ministry of Education, Govt. of India.
- ⚙️ Ranked at 'Performer Band' in Atal National Level Ranking (ARIIA-2021) by Ministry of Education, Govt. of India.
- ⚙️ Associate Member of ICT Academy, Department of Information Technology, Government of Tamilnadu.
- ⚙️ 'National Employability Award' by Aspiring Minds (SHL), received every year since 2021.
- ⚙️ Recognized as the Nodal Centre of ISRO-IIRS outreach program to conduct live and interactive courses.
- ⚙️ Recognized Skill Development Centre for Pradhan Mantri Kaushal Vikas Yojana (PMKVY), Ministry of Skill Development & Entrepreneurship (MSDE) implemented by National Skill Development Corporation.
- ⚙️ Selected under the National level "Unnat Bharath Aayan Programme" by MHRD Government of India and "Skill and Personality Development programme Centre (SPDP)" for SC/ST students by AICTE, New Delhi.
- ⚙️ Recognized as the "Best Exam Preparatory Centre" for conducting Business English Certificate (BEC) examination by Cambridge ESOL for the past years in India & one among 25 South Asia Best Preparatory Centres.
- ⚙️ Received notable awards and recognitions namely Innovative Project Award and Youth Conclave Award from INAE, Hackathon Award, IEEE and TNSCST Student Project Fund.
- ⚙️ Received grants from SERB & AICTE for conduction of IEEE supported International Conference & MSME for start up projects.
- ⚙️ Approval has been granted by AICTE for IDEA lab worth Rs 110 Lakhs under self-finance scheme.
- ⚙️ Received 2 International Travel Grants from IEEE Photonics society by our students for attending International Conferences in USA.
- ⚙️ Conducted 7 International Conferences periodically since 2016
- ⚙️ Excellent Sports recognitions at National and International level.

**OVER ALL PLACEMENT COUNT**  
**2022-2023: 640\***  
\*(as on date)  
**TOTAL COMPANIES VISITED**  
**292+**



**FOR ADMISSION  
CONTACT**  
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