



You Choose, We Do It

# St. JOSEPH'S COLLEGE OF ENGINEERING (An Autonomous Institution)

## St. Joseph's Group of Institutions

OMR, Chennai - 119



Authorised Linguaskill Agent



# Department of Mechanical Engineering

**Counselling  
Code 1317**

## ABOUT THE DEPARTMENT

Department est. in the year of 1998

AICTE Approval Number 730-52-248(E)/ET/97

### Course Offered

B.E - Mechanical Engineering (60)

Ph. D - Mechanical  
Engineering

### Research Centre

Recognised by



### Awards

Bagged 118 University Rank  
(Gold, Silver and Other  
Ranks)

3 - INEA  
Awards

Conference / FDP / Workshop  
/ Seminars

Total - 25

Funded Projects / Memorandum  
of Understanding

Fund Received Rs. 1.73 Cr

10 MoUs

International / National Journal  
Publications / Patent

383 Journal Publications, 61 Patent



2019 for 5 years  
2013 for 5 years  
2007 for 3 years



College  
Website

**For Admissions**  
**9940104881/9940104882**



Department  
Website

## VISION

To become a **Centre of Excellence in Mechanical Engineering, Producing Competent Engineers, who are Innovative, Entrepreneurial and Skilled** to meet the global challenges.



## MISSION

### Excellence:

To offer state-of-art education in Mechanical Engineering, by providing opportunity to students to enhance their knowledge base and develop core specific skills.

### Research:

Build a research capability that is recognized nationally and internationally as a leading source of technological innovation and explore core research.

### Professional Integrity:

To create opportunities and train students to build leadership qualities blended with entrepreneurial mindset and lead an ethical and environmentally responsible career.



## Total University Ranks

**118 Ranks**



## DEPARTMENT STRENGTH

### Staffs Strength

- Professor (3)
- Associate Professor (7)
- Assistant Professor (21)

### Staff Qualification

- Doctorates (13)
- Pursuing Ph.D. (18)

### Experience at St. Joseph's

- 5 Years to 10 Years (5)
- 10 Years to 15 Years (10)
- More than 15 Years (16)



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# DEPARTMENT STRENGTH

## Staff Research

## Publications

Patent

Awarded

6

Published

55



Number of Scholars Pursuing Ph.D. (38)

Number of Scholars Completed Ph.D. in last 3 years (06)

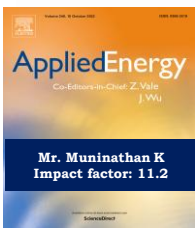
Dr.N. Arunkumar  
Impact factor: 5.6;

Anna University Recognized Supervisors (12)

2023-2024 (36)

2022-2023 (47)

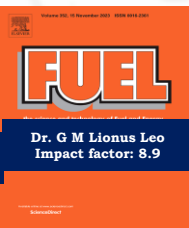
2021-2022 (33)



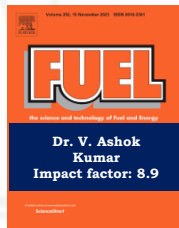
Mr. Muninathan K  
Impact factor: 11.2



Dr. T. Gavaskar  
Impact factor: 9



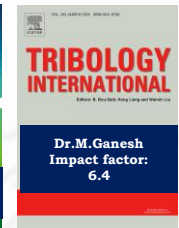
Dr. G M Lionus Leo  
Impact factor: 8.9



Dr. V. Ashok Kumar  
Impact factor: 8.9



Dr. M. Ganesh  
Impact factor: 6.8;



Dr. M. Ganesh  
Impact factor: 6.4



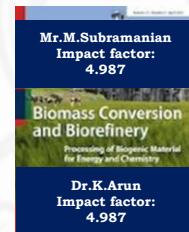
Dr. M. Ganesh  
Impact factor: 6.1



2nd International Conference (HybridMode) on "Technological Advancements in Materials, Design, Manufacturing and Energy Sectors (ICTAMDMES 2024)"



Dr. N. Arunkumar  
Impact factor: 5.6



Mr. M. Subramanian  
Impact factor: 4.987

Biomass Conversion and Biorefinery  
Dr. K. Arun  
Impact factor: 4.987



Mr. N. Sathishkumar  
Impact factor: 3.95;

## Research Facilities



Computerized UTM Machine



Video measuring Machine



Inverted metallurgical Microscope



Micro Vicker's Hardness test



Computerized IC Engine



Profile projector



Deep hole Drilling machine



Exhaust Gas Analyzer



Surface roughness tester



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# Laboratory Facilities



**Manufacturing Technology Laboratory**



**Fluid Mechanics and Machinery Laboratory**



**Computerized UTM Machine**



**Thermal Engineering Laboratory**



**Strength of Materials**



**Metrology Laboratory**



**Mechatronics Laboratory**



**Smart Class Room**



**Basic Workshop**



**Internal Combustion Engine**



**CAD/CAM Laboratory**

## MoU with



**CADDAM Technologies Pvt Ltd signed a Memorandum of Understanding (MoU)**



**Garuda Aerospace Pvt. Ltd**



**SHARDA Motors Industries Limited**



**Grundfos Pumps India Pvt. Ltd.,**



**National Aerospace and Defense Contractors Accreditation Program**



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## What we enable Students ??



## Student Benefits

- Cash award of Rs 10000/- for each student securing CGPA 9.0 & above per year
- Cash reward for each student publishing national and international journals and patents.
- Gift for winners on "Achiever's day" celebration
- Higher Studies Career counselling- GATE, GRE, TOEFL, CAT, IELTS, PG CET
- TA, DA, registration fees for extra-curricular activities
- Organizing students club, professional chapter activities & motivating to participate in National/ International events

## ABHS

- ❑ Advisory Bureau for Higher Studies (ABHS) organizes guest lectures and seminars to equip students for pursuing higher studies.
- ❑ Coaching classes are also conducted for GATE, GRE & TOEFL.

## IIT BOMBAY - WORKSHOP

QIC of our college, in collaboration with IIT Bombay and Anna University, is conducting an **online workshop** that covers Free Online Software Source (FOSS) such as Latex, Java, C/C++, Open foam, QCAD, Scilab, PHP, Python, Drupal etc.

- 3353 students have undergone workshop
- Students who cleared the online test and achieved e-IIT Certificate from IIT Bombay.

## St. Joseph's Civil Service Academy

Joseph's Civil Service Academy have systematic plans to make the toughest journey for preparing Civil Service Exam with several challenges into an achievable goal to students. 54 of our students are currently undergoing this training.

## St. Joseph's Defence Officer Academy

St. Joseph's Defence 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.

## HIGHER STUDIES

Batch	Abroad	India	Total
2020-2024	4	10	14
2019-2023	6	1	7
2018-2022	2	3	5



University of Windsor



Carleton University



HALMSTAD UNIVERSITY



NANYANG TECHNOLOGICAL UNIVERSITY SINGAPORE



UNIVERSITY OF BIRMINGHAM



West Virginia University



McGill UNIVERSITY



OHIO STATE UNIVERSITY



UNIVERSITY OF MASSACHUSETTS



Penn UNIVERSITY OF PENNSYLVANIA



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# Department and Student's Activities



**BIS STANDARDS CLUB**



**The Institution of Engineers India, Students' Chapter**



**IIW-India Students' Chapter**



**ISHRAE Students' Chapter**



**INEA Award**

**Rotary Valve with Engine Cam Assembly**



**INEA Award**

**Design and Development of 3D Printer**



**INEA Award**

**Design of Multipurpose Air Conditioner**



**Mege Challenge Winners**

**Jayanthan S N, Navis Sales Michael J Nandha Kishore K**



**MSME Idea Hackathon**

**Venkatesh Babu A, Sandeep Nivas R**

**Grant of Rs. 14 Lakhs**



**Cash award for Toppers**



**INFERNO RACING TEAM**



**BAJA SAE INDIA 2024**



**Drone Design Challenge 2024**



**Workshop**



**GUEST LECTURE**



**NGO'S**



## Placement Training Programs



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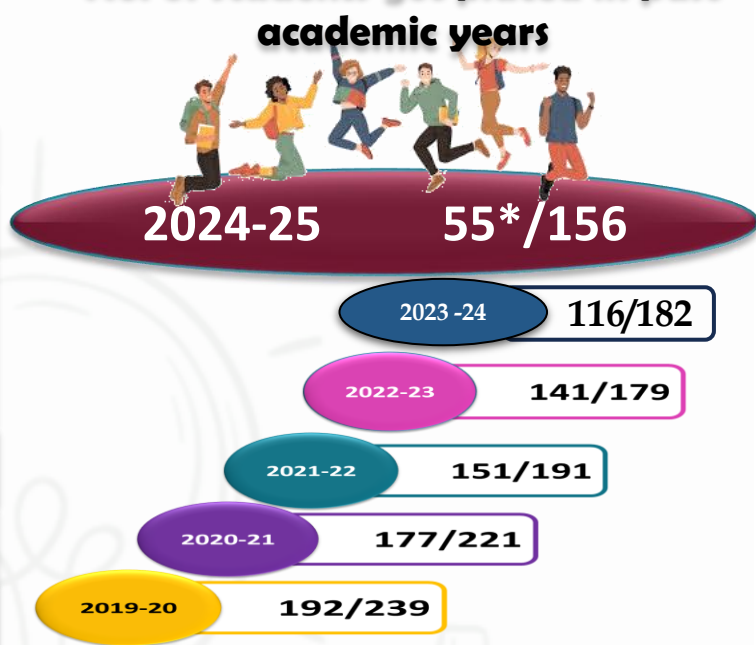


**Department Website**

# PLACEMENT RECORD

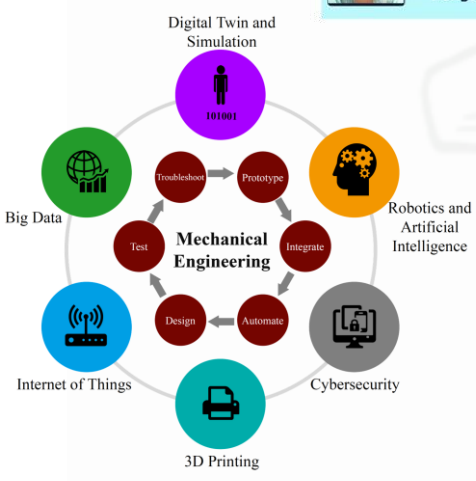
WASEEM ALI R M- 312321114150	7.92 Lakhs/Annum <b>Man maid</b>
JOSHUA C -312321114058	5.9 Lakhs/Annum <b>Keyence</b>
BALAJI S - 312321114023 GURUMOORTHY M S - 312321114043	5.5 Lakhs/Annum <b>SPIC</b>
HARIHARAN B - 312321114044 KAVIKUMAR K - 312321114067 SRIRAM KARTHICK - 312321114130	4.5 Lakhs/Annum <b>LTIMINDTREE</b>
RAHUL SENTHIL KUMAR - 312321114105	4.5 Lakhs/Annum <b>Zepto</b>
HARIHARAN B - 312321114045	4.25 Lakhs/Annum <b>Renault Nissan</b>
AMIRDHAVARSHINI U - 312321114014 HARINI JV - 312321114046	

# No. of Students got placed in past academic years

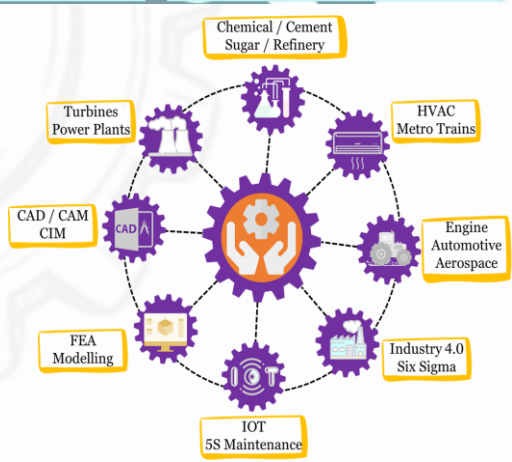


## ELITE ALUMNI

 <b>Karthik Ravishankar</b> (2012-2016 Batch) Business Analytics Engineer, California, USA	 <b>Balaji Chandrakanth</b> (2008-2012 Batch) Senior Scientist, CSIR, Durgapur	 <b>Hareesh Raman</b> (2014-2018 Batch) Customs Inspector, Chennai	 <b>Senthilkumar Veerappan</b> (1998-2002 Batch) Manager Vehicle Engineering International Market Group Ford Motor Company, Chennai	 <b>Murali Krishna Sathya Narayanan</b> (2005-2009 Batch) Program Coordinator Body Structures, Volvo Cars, Hisings Backa, Västra Götaland County, Sweden	 <b>Harikeshan Ramakrishnan</b> (2006-2010 Batch) Area Manager Blue Star Limited Visakhapatnam, Andhra Pradesh, India
 <b>Sivashanmugam Kumaresan</b> (2006-2010 Batch) Managing Partner Rishaba Industries LLP, Butterfly Gandhimathi -Appliances Ltd.	 <b>Pradeep Venugopal</b> (2004-2008 Batch) Consultant, IHT Corporation, Chennai, India	 <b>Varun Kalyanasundaram</b> (2008-2011 Batch) Director, Polimer Media Pvt Ltd Chennai, India	 <b>Ashwini Boopathy</b> (2007-2011Batch) Pipeline Mgmt. Executive BMW Group Chennai Tamil Nadu	 <b>Alan Kevin</b> (2006-2010 Batch) Production Manager Chinatool Shenzhen City, Guangdong, China	 <b>Surya Narayanan Panneerselvam</b> (2007-2011 Batch) Co-Founder at Skill-lync, Chennai, Formerly at Cummins Inc. Stoughton, Wisconsin
 <b>Manju Catherine Pothan</b> (2004-2008 Batch) Designer, Usability & Product development, Philips Research, Bangaluru	 <b>Dr. Samuel Milton</b> (2006-2010 Batch) Project Engineer Advanced Manufacturing Siris Hasselt, Flanders, Belgium	 <b>Dr. J. Naveen</b> (2006-2010 Batch) School of Mechanical Sciences VIT University , Vellore	 <b>Ajay Balaji Dandapani</b> (2011-2014 Batch) German KYC Senior Analyst Deutsche Bank Operations International Bengaluru, Karnataka	 <b>Srivathsan Narasimhan</b> (2008-2012 Batch) Advanced Thermofluids Engineer (Systems Design), Rolls-Royce India Private Limited, Bangalore	 <b>Gowtham Raj</b> (2010-2014 Batch) Senior Engineer, Mercedes-Benz Research and Development Krishnagiri, Tamil Nadu



## SCOPE & OPPORTUNITIES



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# Why St. JOSEPH'S ?



- ❑ St. Joseph's College of Engineering has maintained an unparalleled reputation for the **past three decades**, offering **11 undergraduate** programs and **3 postgraduate** programs.
- ❑ Our college has consistently been ranked by the **National Institutional Ranking Framework (NIRF)** since 2017, achieving a position in the **201-300 band in NIRF 2024**.
- ❑ Our College is accredited with an **A+ grade**, securing a score of **3.46 on a scale of 4.00** from the **National Assessment and Accreditation Council (NAAC)** since 2019.
- ❑ Our institution has secured **2nd Rank** in the Performers band of **NSIIR 2023** (National Sustainability Impact Institutions Ranking) organized by **NITI Aayog & ATAL Innovation Mission** for our initiatives supporting the United Nations' Sustainable Development Goals.
- ❑ Our college won **AICTE-ECI Chatra Vishwakarma Award** as the **Best Institute** at the national level.
- ❑ In 2020, our college secured **1<sup>st</sup> position** in the 'Utkrisht Sansathan Vishwakarma Award' by **AICTE**.
- ❑ We received **AICTE-Lilavathy awards in 2021 and 2022: Winner in Women Security in 2022 and Runner-up in Hygiene and Sanitation in 2021, and Women Empowerment in 2022**.
- ❑ Our college has been selected for the national-level 'Unnat Bharat Abhiyan Programme' by the Ministry of Human Resource Development (MHRD), Government of India, and for the 'Skill and Personality Development Programme' Centre (SPDP) for SC/ST by AICTE.
- ❑ Received '**AA**' rating based on performance in **NPTEL Online Certification** courses, an initiative of the Government of India.
- ❑ Recognized as the '**Best Exam Preparatory Centre**' for conducting the **Lingua Skill certification** by Cambridge ESOL for the past eight years in India, we stand among the 25 best preparatory centres in South Asia.
- ❑ Received the **Institutional Excellence Award 2024** from the **Institute of Engineers (India)**.
- ❑ We have been awarded the "National Employability Award" annually since 2017 by Aspiring Minds and is recognized as **India's Best Engineering Institute 2023** with a **AAAA rating** by **Careers 360**.
- ❑ Our students have secured a remarkable total of **1,541 ranks**, including **57 Gold medals** and **55 Silver medals**. The college is in **1<sup>st</sup> place** in terms of the highest number of **Anna University ranks three times** (2010, 2019, and 2021).
- ❑ The college is recognized as '**Institute Level Research Centre**' by Anna University, enabling research scholars to pursue **Ph.D. and MS** by research.
- ❑ We have established a '**Centre for Excellence**' in collaboration with **Honeywell and Salesforce Technology** to offer training programs in **UI Path Robotic Process Automation** and **Salesforce Fundamentals Virtual Learning**, respectively. We have developed a "**Big Data Lab**" with support from **Cognizant Technology Solutions** and have been conferred the title of "**Trusted Academic Partner**" by **WIPRO**.
- ❑ Our students have achieved recognition in **national and international sports** events, including the **Commonwealth, Asian, and Olympic Games**.



2024

-

2025

Total Placement Offer  
**836\***  
Total Companies visited  
**280+**



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