



You Choose, We Do It
St. JOSEPH'S COLLEGE OF ENGINEERING
 (An Autonomous Institution)
St. Joseph's Group of Institutions
 OMR, Chennai - 119



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 (180)

Ph. D - Mechanical Engineering



Research Centre

Recognised by



Awards

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

3 - INEA Awards



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



Conference / FDP / Workshop / Seminars

Total - 23



Funded Projects / Memorandum of Understanding

Fund Received Rs. 1.7 Cr

10 MoUs



International / National Journal Publications / Patents

343 Journal Publications, 20 Patent



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 (4)
- Associate Professor (7)
- Assistant Professor (25)

Staff Qualification

- Doctorates (15)
- Pursuing Ph.D. (21)

Experience at St. Joseph's

- 5 Years to 10 Years (11)
- 10 Years to 15 Years (12)
- More than 15 Years (13)



College
Website

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9940104881/9940104882



Department
Website

Staff Research

DEPARTMENT STRENGTH

Publications

Patent

Awarded

4

Published

46



Number of Scholars Pursuing Ph.D. (39)



Dr.N. Arunkumar
Impact factor:
5.6;

Number of Scholars Completed Ph.D. in last 3 years (09)



2022-2023 (74)



2021-2022 (62)

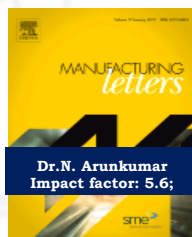


2020-2021 (47)

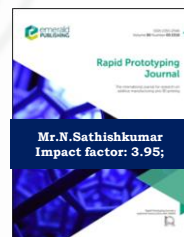
Anna University Recognized Supervisors (12)



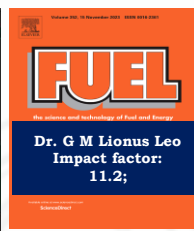
DST (SERB) SPONSORED THREE DAYS NATIONAL SEMINAR



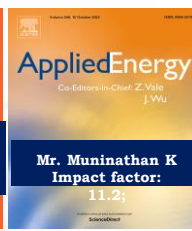
Dr.N. Arunkumar
Impact factor: 5.6;



Mr.N.Sathishkumar
Impact factor: 3.95;



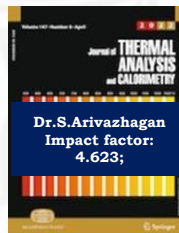
Dr. G M Lionus Leo
Impact factor:
11.2;



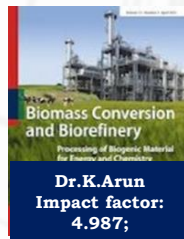
Mr. Muninathan K
Impact factor:
11.2;



Three days National level Seminar



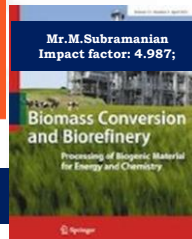
Dr.S.Arivazhagan
Impact factor:
4.623;



Dr.K.Arun
Impact factor:
4.987;



Dr. T. Gavaskar
Impact factor: 11.2;



Mr.M.Subramanian
Impact factor: 4.987;

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



College Website

For Admissions
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Department Website

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



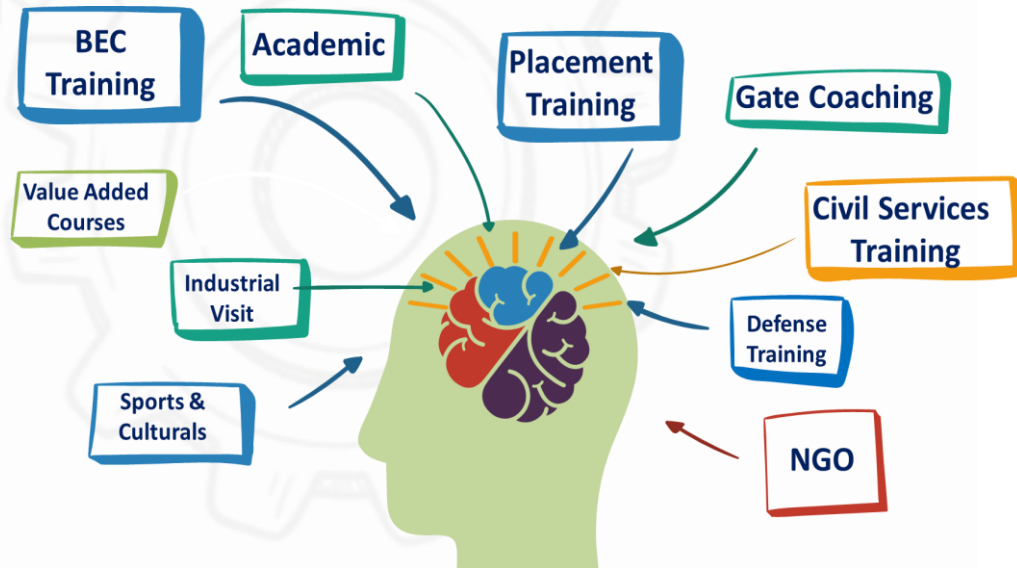
Internal Combustion Engine



CAD/CAM Laboratory

Student Benefits

- Cash award of Rs 25000/- for each student securing other university ranks
- Gift for winners on "Achiever's day"
- Higher Studies Career counselling- GATE, GRE, TOEFL, CAT, IELTS, PGCET
- TA, DA, registration fees for extra-curricular activities & Journal publications.
- Organizing students club, professional chapter activities & motivating to participate in National/ International events



College Website

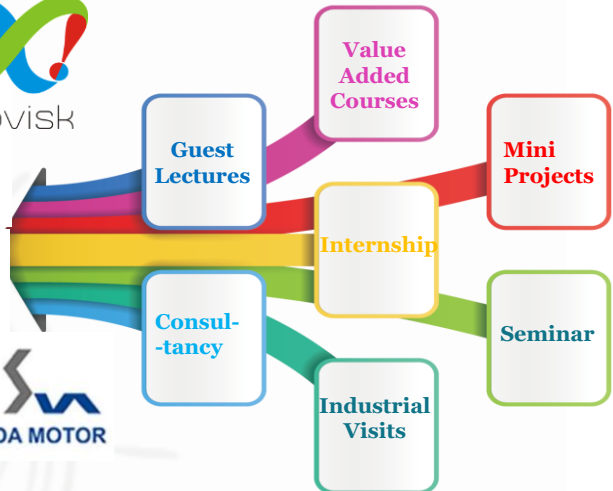
For Admissions
9940104881/9940104882



Department Website

What we enable Students ??

MoU with



HIGHER STUDIES

Batch	Abroad	India	Total
2019-2023	6	1	7
2018-2022	2	3	5
2017-2021	10	7	17



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.**

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.

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.



For Admissions
9940104881/9940104882



Department and Student's Activities



BIS STANDARDS CLUB



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

AUTODESK

Mege Challenge Winners

Jayanthem S N, Navis Sales Michael J, Nandha Kishore K

MSME Idea Hackathon 2022

Grant of Rs. 14 Lakhs

Venkatesh Babu A, Sandeep Nivas R

Cash award for Toppers

St. JOSEPH'S COLLEGE OF ENGINEERING

2022-SAE MBAJA Indore, M.P.

2022-Mega ATV Goa, Maharashtra

Cash award for Toppers

Placement Training Programs

Major Recruiters

SMART
TRAINING RESOURCES INDIA PVT LTD
India's Largest Career Development Company

SkillRack

TIME
Triumphant Institute of Management Education Pvt. Ltd.
we care for your career

MYSLATE

cognizant JSW

Mindtree SPIC
Nourishing growth

Valeo

MRF

BOSCH FLSMIDTH

Wipro

RENAULT NISSAN SAINT-GOBAIN

BLUE STAR

TATA

ZOHO Infosys

Aspiring Minds
Employability Quantified



College Website

For Admissions
9940104881 / 9940104882



Department Website

No. of students got placed in past academic years

Some of the current batch (2019-2023) Students' Placements:

Aswin Raj A (312319114026) **9.5 Lakh/Annum**
JSW Steel

Vigneshwar R. (312319114153) **8.4 Lakh/Annum**
ZOH0 Corporation

Tejhasree S. (312319114144) **6.1 Lakh/Annum**
Technip Energies

Saai Sathish P. K. (312319114112) **6 Lakh/Annum**
Bosch Engineering

Anderws Emerald J. S. (312319114013) **6 Lakh/Annum**
Pradeep Kumar C. (312318114122) **6 Lakh/Annum**
SPIC

Aswin Vignesh C. (312319114025) **6 Lakh/Annum**
Harikrishnan K. (312319114055) **6 Lakh/Annum**
Sopra Steria
Tharun Kumar S. (312319114148) **6 Lakh/Annum**

Akshiv S. (312319114008) **6 Lakh/Annum**
Keyence Technologies

2022-23 **120/179**

2021-22 **151/191**

2020-21 **177/221**

2019-20 **192/239**

2018-19 **179/223**



ELITE ALUMNI

Karthik Ravishankar
(2012-2016 Batch)
Business Analytics Engineer,
California, USA

Balaji Chandrakanth
(2008-2012 Batch)
Senior Scientist,
CSIR, Durgapur

Hareesh Raman
(2014-2018 Batch)
Customs Inspector,
Chennai

Senthilkumar Veerappan
(1998-2002 Batch)
Manager
Vehicle Engineering
International Market Group
Ford Motor Company,
Chennai

Sivashanmugam Kumaresan
(2006-2010 Batch)
Managing Partner
Rishaba Industries LLP,
Butterfly Gandhimathi
-Appliances Ltd.

Pradeep Venugopal
(2004-2008 Batch)
Consultant,
IHI Corporation,
Chennai,
India

Varun Kalyanasundaram
(2008-2011 Batch)
Director,
Pollimer Media Pvt Ltd
Chennai,
India

Manju Catherine Pothen
(2004-2008 Batch)
Designer,
Usability & Product development,
Philips Research,
Bengaluru

Murali Krishna Sathya Narayanan
(2005-2009 Batch)
Program Coordinator
Body Structures, Volvo Cars,
Hisinge Backa,
Västra Götaland County, Sweden

Ashwini Boopathy
(2007-2011Batch)
Pipeline Mgmt. Executive
BMW Group
Chennai
Tamil Nadu

Alan Kevin
(2006-2010 Batch)
Production Manager
Chinatool Shenzhen City,
Guangdong,
China

Dr. Samuel Milton
(2006-2010 Batch)
Project Engineer
Advanced Manufacturing
Siris Hasselt, Flanders,
Belgium

Dr. J. Naveen
(2006-2010 Batch)
School of Mechanical Sciences
VIT University,
Vellore

Harikeshan Ramakrishnan
(2006-2010 Batch)
Area Manager
Blue Star limited
Visakhapatnam,
Andhra Pradesh, India

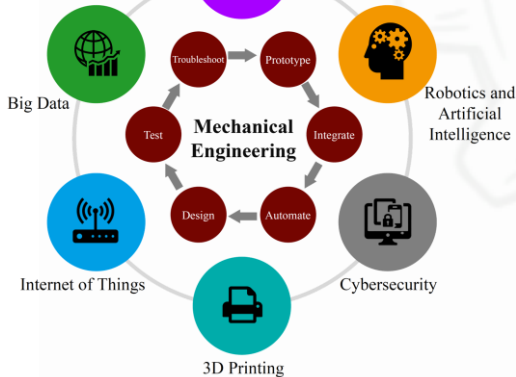
Surya Narayanan Panneerselvam
(2007-2011 Batch)
Co-Founder at Skill-lync,
Chennai,
Formerly at Cummins Inc.
Stoughton, Wisconsin

Ajay Balaji Dandapani
(2011-2014 Batch)
German KYC Senior Analyst
Deutsche Bank Operations
International Bengaluru,
Karnataka

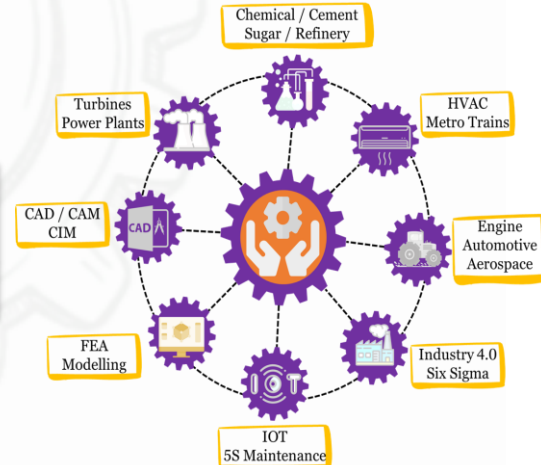
Srivathsan Narasimhan
(2008-2012 Batch)
Advanced Thermofluids Engineer
(Systems Design),
Rolls-Royce India Private
Limited, Bangalore

Gowtham Raj
(2010-2014 Batch)
Senior Engineer,
Mercedes-Benz Research
and Development
Krishnagiri, Tamil Nadu

Digital Twin and Simulation



SCOPE & OPPORTUNITIES



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Why St. JOSEPH'S ?



- ❑ St. Joseph's College of Engineering is having **30 years** of successful academic reputation offering **11 UG programs** and **7 PG programs** with a current total intake of more than **1570 students** per year.
- ❑ Since inception, St. Joseph's College of Engineering is consistently placed among the **Top 10 institutions** in terms of number of ranks. So far **1541 ranks** including **57 Gold medals** and **55 Silver medals** have been secured by students. The college has been in **1st Place** in terms of **highest numbers of Anna University ranks**, 4 times.
- ❑ The College is continuously being ranked by in **National Institutional Ranking Framework(NIRF)** since 2017. Our institution is ranked in **'Elite Band'** at National level Atal Ranking of Institutional Innovations and Achievement (ARIIA – 2021).
- ❑ Accredited with **A+ grade** by securing **3.46** on a scale of 4.00 by **National Assessment and Accreditation Council (NAAC)**.
- ❑ **09 Departments** recognised as **'Research Centres'** by Anna University to Ph.D. Recognition as **'Scientific and Industrial Research Organisation'** (SIRO) since 2014 by DSIR, Government of India.
- ❑ The college is having a good number of research publications with a **h-Index of 57 in Scopus** and **51 in Web of Science** index.
- ❑ Recognised as the **'Best Exam Preparatory Centre'** for conducting Business English Certificate (BEC) examination by Cambridge ESOL for the past eight years in India & one among 25 South Asia Best Preparatory Centres.
- ❑ **45 Sponsored Research Projects** of worth **Rs. 2.83 Crores** and **40 Faculty Training Programs** worth of **54 lakhs** funded by AICTE, NRB, DST, SERB, DBT, NRDMS, TNSCST & Anna University etc., have been carried out by staff members.
- ❑ Received **FIST grant of Rs. 71 Lakhs** from Department of Science and Technology, Government of India. **"21 INAE Innovative Student Project Awards"** were bagged by our students for their innovative final year projects.
- ❑ Selected under the National level **"UnnatBharathAbyan Programme"** by MHRD Government of India and Skill and Personality Development programme Centre (SPDP) for SC/ST by AICTE, New Delhi.
- ❑ Secured **86th rank** by Internshala Annual Ranking 2022.
- ❑ Received a grant of **Rs. 17 lakhs** grant under PMKVY program.
- ❑ Won First **AICTE-ECI ChatraViswakarma** award in 2017 as a Best Institute at National level.
- ❑ Won **1st position** in **"UtkrishtSansthanVishwakarma Award"**, 2020 by All India Council for Technical Education (AICTE) in association with Ministry of Human Resource and Development (MHRD).
- ❑ Secured **AICTE-Lilavathy awards** in 2021 and 2022 : **Winner** under the stream of **Women Security**, **Runner** under **Hygiene and Sanitation** themes in 2021 and **Runner** in **Women Empowerment 2022**.
- ❑ College has secured **4.5-star rating** for the activities carried out in the campus by Institution's Innovation Council (IIC). In 2022 the college has received 3 projects for incubation worth of Rs. 45,00,000 by MSME, MOE, Government of India .
- ❑ Consistently our students are securing winning positions in National level Innovative idea implementation competitions such as AICTE Smart India Hackathon in Hardware and software, Toycathon, Mapathon etc.
- ❑ Consistently awarded **"National Employability Award"** every year since 2017 by Aspiring Minds.



2023
-
2024

Total Placement Offer
1781*
Total Companies visited
280+



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