



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



COUNSELLING CODE 1317

DEPARTMENT OF BIOTECHNOLOGY

B.Tech

Ph.D



11
Gold Medals

10
Silver Medals

161
University Ranks

40%

HIGHER STUDIES

60%

PLACEMENT

Department Brochure 2024 - 25

About Us

Our department was incepted in the year 2002 and accredited by NBA. Having 10 professionally qualified faculty members and a state-of-the-art laboratory, the department offers UG and PhD courses that are affiliated to Anna University, (Autonomous)

Department Accomplishments

No. of research scholars completed/Ongoing = **19/19**

14.5 Years average experience faculties

Total Lab Equipment's **1.62 Crore**

17 Patents published **3** Patents granted

Research Fund Received **2.26 crore**

7 Doctorates

14.5 Years average experience faculties

5 Active MOUs with various companies/Institutes

4 Research Supervisors (Anna University approved)

340 Research Paper Publications

6 Years NBA Accredited

Received **1 INAE Award, 1 BRSI Award, 1 ISTE Award**



Vision

To provide a world class department to facilitate learning, training and research in Biotechnology by providing infrastructural facilities and competent faculty leading to technological innovations to serve the global society.

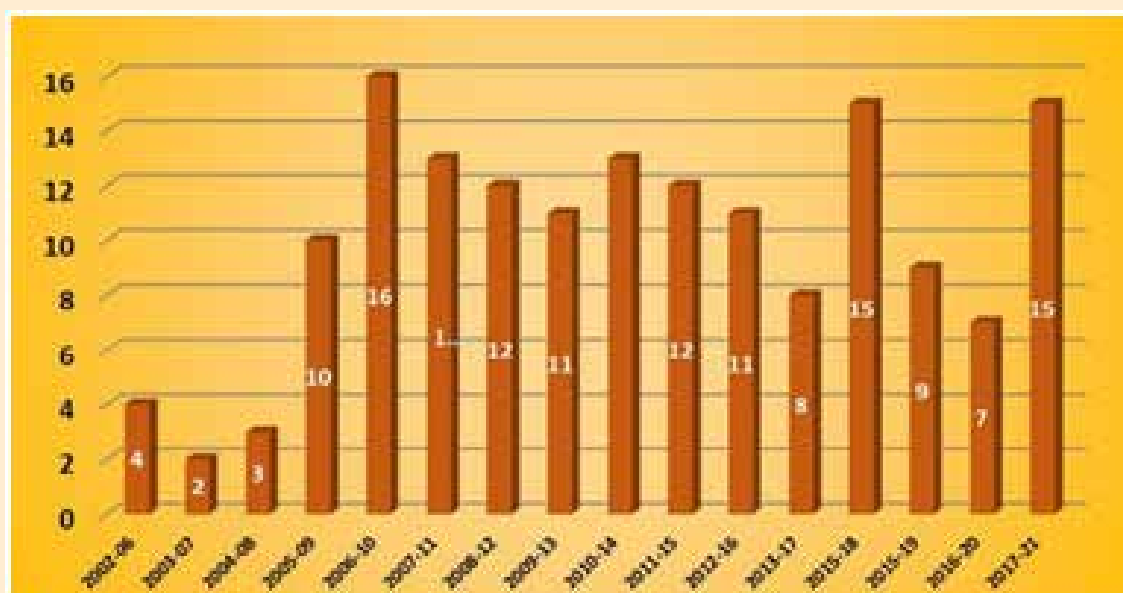
Mission

To provide quality education to students and to produce competent Bio-technologists to meet the challenges faced by industry and mankind.

To inculcate high moral, ethical & professional standard among our students.

To develop overall personality of the students.

Biotech Overall Rank



Biotech Placement Records

S.No.	Batch	Total Placements
1	2023-2024	30
2	2022-2023	35
3	2021-2022	50
4	2020-2021	47
5	2019-2020	44
6	2018-2019	39



Placement Support Activities

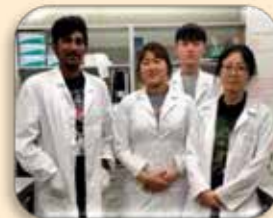
SEM	ACTIVITIES
I	Communication skill Enhancement
II	Aptitude Crash Course
III	BEC Training
IV	C Programming
V	Department Specific Value Added Course
	Product Batch Training
VI	Data structures
	Product Batch Training
	AMCAT Assessment I
VII	Placement Online Test
	Placement Orientation Program II
	Data structures & Algorithm
	CODE Fit Training
	Co Cubes Online Assessment I
	AMCAT Assessment II
	Resume Preparation & Mock Interview
	AMCAT Assessment III
	Co Cubes Online Assessment II
	IT Refresher
	Placement Orientation Program III

Our Recruiters



Student's Special Achievements

- Ms.Sivaranjani , Ms. Aishwarya D, Ms. Divyaprabha has participated in Project idea HACKATHON and selected as part of MSME HACKATHON 2023 and received fund of 8.75 lakhs.
- Ms. Deno Petrecia and Ms. Adeline Juanita C has participated in International Conference On Advances In Communication Technology and Computer Engineering, Organized by University of Boston during February 2023.
- Ms.Priyadharshini,R. Shivani ,Divyadharshini and v Bharathi has participated in Hackathon in Envision organized by IEEE computer society by SSN college of Engineering during November 2023 and secured cash award.
- Ms. Monica V.R and Ms. Sharmyli M.S has participated in National level Hackathon in Bioinformatics organized by Tamil Nadu agricultural University BIRAC- E-Yuva during March 2023 and secured cash award.
- Ms. Pavithra Sree D, Ms. Pooja Nirali and Mr. Alfred Francis P J have participated in the National Level Bio Hackathon and won cash awards.
- Mr. S. R. Gokul Krishna has won second place in the event Hack salvation of Synsacra, A National Level Technical Event and also won first position in Mechathon event.
- Mr. A. Akash Emmanuel had carried out the sponsorship internship in the Department of Animal Biotechnology, Konkuk University, Korea. Mr. Rachinth Ravichandran & Mr. Akash Lashmanasamy had received FCQ Elite Superior Category Award from International Quiz Competition held at Tokyo, Japan



Biotech Industrial Visits

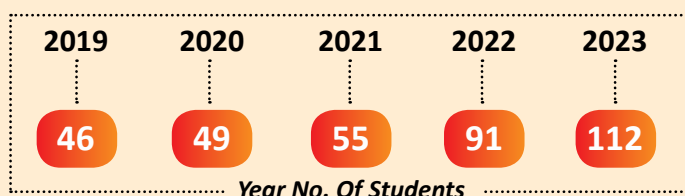
- MEDOX Biotech India Pvt. Ltd.,
- C.A.S. in Marine Biology
- Perangipettai Ravikumar Distilleries Ltd Pondicherry
- Archimedes Health Care Sriperumbudur
- Life cell International Pvt. Ltd.,
- Growmore Biotech Ltd., Hosur
- Balaji Enterprises pvt.ltd. Pondichery
- Quantum biomedicals, Madhavaram
- Apollo Distilleries Pvt. Ltd., Ponneri
- Eppendorf India Pvt Ltd, Chennai
- Shibin Exports, Chengalpattu
- Modern Bakers, Madurantakam
- Madurantakam Co-operative Sugar Mills
- Quantum Biomedical Pvt Ltd, Chennai
- Tirumala dairy industry, Madurantakam



Internship/In-Plant Training Venues

- BCG Vaccine Laboratory,(Government of India), Guindy, Chennai.
- Cancer Institute(WIA), Regional Centre for cancer Research, Adyar, Chennai.
- BGC rop Science & Technologies(P)Ltd., Madurai.
- Cipla Pharmaceuticals, Verna, Goa.
- Sea Turtleand Natural Resources, State of Colima Mexico Central Leather Research Institute(CLRI), Adyar, Chennai.
- National Institute for Research in Tuberculosis, Chennai E.I.D Parry, India
- Pasteur Institute of India, Conor.
- Tamilnadu Cooperative Milk Producers Federation Limited, Chennai
- Chennai Metropolitan Water Supplyand Sewerage Board, Chennai.
- Medicap Pharmacy, Gujarat.
- Life Cell International Pvt Ltd., Chennai.
- TamilNadu Veterinary and Animal Sciences University, Chennai.

Total Internship Attended



Elite Alumini



Beryl Augustine (2007-2011)
Clinical Research **Scientist**,
Perimeter Medical Imaging,
Toronto, **Canada**



Venkatesh Endalar G (2006-2010)
Senior **Scientist**
LifeMine Therapeutics,
Cambridge, **UK**



Anand Narayanan (2007-2011)
Analytical **Scientist**,
Lightcast Discovery,
London, **UK**



Ramya N (2005-2009)
Scientist, Lonza,
Texas, **USA**



Amrita V (2007-2011)
Scientist,
Vital Biosciences,
Toronto, **Canada**



Srishr R (2009-2012)
Senior Food **Scientist**
GMP Nutraceuticals,
USA



Srividya V (2010-2014)
Scientist, 4D Molecular
Therapeutics,
California, **USA**



Karthik Vignesh (2010-2014)
Research **Scientist**
Labernard Biofuels &
Distilled Spirits, **USA**



Nita Elizabeth Jijo (2011-2015)
Associate **Scientist II**
PTC Therapeutics,
California, **USA**



Bharath Kumar R (2008-2012)
Senior Proteomics Platform
Scientist,
Anavo Therapeutics, **Germany**



Mahanarkathik PR (2005-2009)
Research **Scientist I**
Cell Line Development
Aurobindo Pharma, Hyderabad,
India

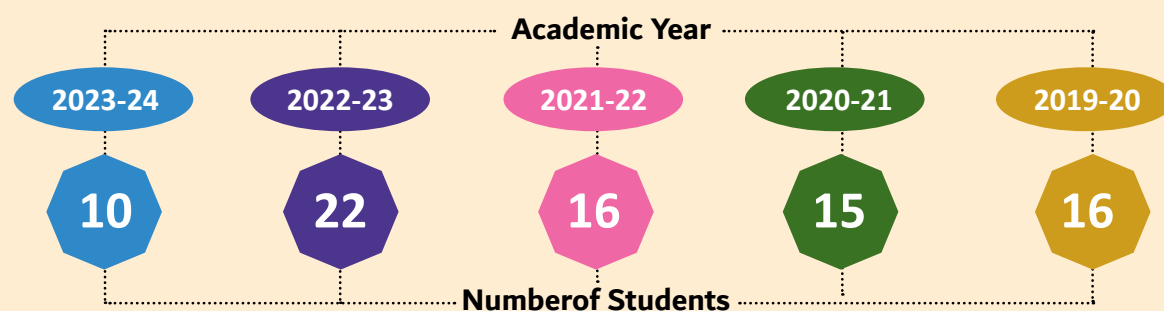


Narendranath Bhokisham
(2005-2009)
Senior Research **Scientist**
3M, Saint Paul,
Minnesota, **USA**

Details of Higher Studies

List of Universities (Abroad / India)

- St. John's University
- Campbell University
- McGill University
- University of Windsor
- University of Kansas
- University of Colorado
- University of Buffalo
- Illinois Institute of technology
- University of Pennsylvania
- North Carolina state University
- University of Massachusetts Leeds
- University Eastern Michigan
- University of Melbourne
- Wayne State University
- University of London
- National University of Ireland
- IIT/NIT/IIM



Research Specific Equipment

- Photo Bioreactor
- High-Performance Liquid Chromatography
- Phase Contrast Microscope
- Micro Filtration Unit
- PCR Thermal Cycler
- Ultrasonication
- TOC Analyzer
- Zeta Potential Particle Analyzer
- High Pressure Cell Destructor



Course towards Current /Future Scope

- Nano Biotechnology
- Stem Cell Technology
- Tissue Engineering
- Pharmaceutical Biotechnology
- Cancer Biology
- Proteomics & Genomics
- Bioengineering
- Food Technology
- Animal Biotechnology
- Industrial Biotechnology



Social Outreach Activities – NGO Visits

- Faith Home Orphanage, Guindy, Chennai
- Sirumalargal Home Orphanage Chengalpattu
- Christ Faith Home For Children
- Chennai Oxford Home, Priya Nagar, Urapakkam
- El-Shadi Charitable Trust, OMR, Chennai
- Annai Fathima Child Welfare Centre, Chennai
- Maria's Old Aged Home, Chennai

- Annaikum Karangal, Ullagaram, Chennai
- Saranalaya Children Home, Kovur, Chennai
- New Life Old age Home, Eraiyur, Chennai
- Peace Garden, Guduvancherry, Chennai
- St. John's De Britto Home for Aged Women, Chennai
- Krupa orphanage, Padappai
- Hope public charitable trust, Aminjikarai
- Manasu Orphanage, Trisulam



Entrepreneurship Activities

YEAR	II YEAR	III YEAR	IV YEAR
2019-2020	05	17	21
2020-2021	06	18	21
2021-2022	05	19	20
2022-2023	07	24	22
2023-2024	08	22	20

Professional Society Activities



Biotech Research Society, India (BRSI)

- Biotech Technical Trainings
- Organize Guest Lectures
- Conduct Seminars and Symposium
- Awards for Scientific Contributions



Indian Society for Technical Education (ISTE)

- National Level Workshops
- Short Term Training Programs
- Faculty Development Programs
- Science Exhibitions
- Organizing Technical Talks

Biotech Industrial Partner

- Armats Biotek Pvt Ltd
- Shibin Nutraceuticals Pvt. Ltd
- Dynamic Megaceuticals Pvt Ltd
- BioZone Research Tech Pvt. Ltd.
- Baid Mehtha Pharma-Animal Trial

Bio Zenith (Student Club)

- Business Plan in Biotechnology
- Bio Art using Microorganism
- Brain Dissection
- Bio connections
- Prototype Designing

Students Support & Progression

Exams	No. of Students qualified (Past 5 Years)
BEC	420
AMCAT	346
GRE	69
GATE	78
IELTS	72
TOFEL	39
TANCET	60

Biotech Students Sports Achievements

- Siva Santhosh- Meritorious Certificate for Aquatics 2021
- Jagadish Raj K-Cricket Winner-Zonal Championship 2021
- Mr. S Siva Santhosh, Swimming - Anna University Inter Zonal Aquatic Meet 2018-19
- Ms. Shvetha V. Chess –Anna University Inter Zonal Tournament 2018-19 .
- Mr. A Bhuvanesh Kumar, Karate - SHURI-TO National level Open Championship

Academic Support

- Industrial Visits (Biocon, Orchid, Life cell)
- In-Plant Trainings (IIFT, CLRI, Pasteur Inst. Student Workshops)
- Guest Lectures (IIT, NIT, CLRI)
- Fee, TA/DA sponsorship- Symposium Winners
- Special Sponsorship- International Presentation
- Internships (IISC, IIT, Cancer Institute)
- Value Added Courses

Industry Institute Interactions

- Research Support
- Equipment Sharing
- Research Samples Analysis
- Student Projects
- Technical Training Programs

College Highlights

*You Choose,
We Do It*



St. Joseph's College of Engineering is having **30 years of successful** academic reputation offering **11 UG** programs and **3 PG** programs with a current intake of more than **1750 students per year**.

Since inception, our Institution is consistently placed among the **Top 10** institutions in terms of number of ranks. So far **1553 ranks** including **57 Gold** medals and **56 Silver** medals have been secured by students. The college has been in **1st Place** for **4 times** in terms of fetching highest numbers of Anna University Ranks.

The College is continuously being ranked by in National Institutional Ranking Framework (NIRF) since 2017 and ranked in **'101 - 150 band'** at National Institutional Ranking Framework under Innovation category (**NIRF-Innovation 2023**).

Accredited with **A+ grade** by securing **3.46** on a scale of **4.00** by **National Assessment and Accreditation Council (NAAC)**.

10 departments have been recognized as **'Research Centers'** by Anna University to pursue Ph.D. and also recognized as **'Scientific and Industrial Research Organization' (SIRO)** since **2014** by **DSIR**, Government of India.

Our institution has received **2nd Rank** in Performers band of **NSIIR 2023** (National Sustainability Impact Institutions Ranking) organized by **NITI AAYOG & ATAL** Innovation Mission for our initiatives in support United Nation's Sustainable Development Goals.

Our research publications have resulted in fetching Scopus h-index **67** and Web of Science h-index **59** for our institution.

Our institution is the recognized **'Linguaskill Centre'** for Cambridge English Assessment in India & one among **25 South Asia Best Preparatory Centers** for Business English Certification (BEC).

So far **57 Sponsored Research Projects to the value of Rs. 5.04 Crores** and **48 Faculty** Training Programs with a grant of **Rs.71.51 lakhs and FIST grant of Rs.71 Lakhs** were received from AICTE, NRB, DST, SERB, DBT, NRDMS, ISRO, TNSCST & Anna University etc.

INAE Innovative Project Awards (21 Projects) were bagged by our students for their innovative projects.

Our Institution is selected under the National level **"Unnat Bharath Abyan Programme"** by MHRD Government of India and Skill and Personality Development program Centre (SPDP) for SC/ST by AICTE, and received a grant of **Rs.17 lakhs grant under PMKVY program**.

Won First AICTE-ECI Chhatra Vishwakarma award in 2017 as a Best Institute at National level.

Won 1st position in "Utkrisht Sansthan Vishwakarma Award", 2020 by AICTE in association with Ministry of Human Resource and Development (MHRD).

Secured AICTE-Lilavati 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 4star rating for the activities carried out in the campus by Institution's Innovation Council (IIC). In 2023 the college has received **4 project grants worth of Rs.56 Lakhs** for Business incubation by MSME, MOE, & Government of India.

Consistently our students are securing winning positions in National Level Innovative idea competitions such as **AICTE Smart India Hackathon in Hardware and software, Toycathon, Mapathon etc.**

We have Secured **58th Rank by Internshala Annual Ranking 2023** and our Institution is consistently awarded **"National Employability Award"** every year since 2017 by Aspiring Minds.

Our college is recognized as India's Best Engineering Institute 2023 with **AAAA rating** by Careers 360 organization. Our Institution is listed in India Book of Records for hosting National Level FDP on Cloud Infrastructure organized by BRAIN O VISION, and supported by AICTE, Ministry of Education, Govt. of India.