

ANNUAL REPORT

ACADEMIC YEAR 2021—2022

St Joseph's College of Engineering, Chennai, has the following notable achievements in the year 2021-22:

NOTABLE ACHIEVEMENTS IN 2021-22:

1. ARIIA 2021:

Our College has been recognised in the '**Band Excellent**' under the category of '**Colleges/Institutes (Private / Self-Financed) (Technical)**' in Atal Ranking of Institutions on Innovation Achievement (ARIIA) 2021 announced on **29th December 2021**.

2. Center of excellence for youth empowerment:

Our College has been recognized as **Center of excellence for youth empowerment** to train women students on **advanced IT skills** Under **Honeywell student empowerment program**.

3. University Ranks in the year 2021-22:

The students of 2018-22 batch have secured a total of **80 University Ranks**, which include **3 Gold and 4 Silver medals**.

4. Training and Placement :

The institution has always been in the forefront with respect to recruitments. The Centre for Training & Placement has been working vigorously to provide recruitment for our students. **1024 students** are placed through campus interviews the students are recruited by many leading organizations like Cognizant Technologies, Wipro, Infosys, Ashok Leyland, Wheels India, Soliton Technologies, AMAZON, Verizon, GE Digital, Juspay Mu-Sigma, Comm Vault, Global Analytics, E-Con Systems , Sirius Vembu Technologies, Tech Mahindra Solution Technologies, HDFC, ICICI, IDBI Federal Life Insurance, Mr. Copper, Bajaj Capital, DHL Logistics, Yes

Bank, ITC Ltd, L&T, Zoho, Naukri.com, HCL, Hewitt, RenalultNissian, Virtusa, RBS, Accenture, Mindtree, Kotak Mahindra Bank, Pepsico etc., with a ranging from **3.2 lakhs to Rs 12 lakhs** per annum.

5. Higher Studies:

In the year 2021-22, **105 Students** are pursuing their higher studies at various Universities in India and abroad. Students have got admission into top ranking Universities like University of Manchester, RMIT University, John Hopkins University, University of California, Arizona State University, North Carolina State University, National University of Singapore, Illinois Institute of Technology, NJIT, University of Texas, University of Windsor, Northeastern University, IITs, IIMs, NITs, and so on through our Advisory Bureau for Higher Studies.

6. SAE m-BAJA Main Event 2022:

Aurelian Racing Team 5.0 comprising Final, Third and Second Year Mechanical Students successfully constructed an **All Terrain Vehicle (ATV)** and participated in the **SAE m-BAJA Main Event 2022 held at NATRIP, Pithampur, Madhya Pradesh from 5th to 12th April, 2022**, organised by **BAJA SAE INDIA**.



7. KANITHAM 2021:

The following students won the **FIRST and THIRD PLACE in KANITHAM 2021** conducted by **Dr.M.G.R Educational and Research Institute on 13.11.2021**.

S.NO	NAME	BRANCH & SEC	EVENT	PRIZE
1	S. JAICHARAN	III IT-A	CONNECTION	I
2	S.KRISHNARAM	III CSE-B		
3	P.M.ASHWIN	III MECH-A		
4	S. NEEHARIKA	I IT-B		III
5	A.R.ATHIRA	I IT-A		
6	M.ASMITHA	I CSE-A		

8. IEEE India Council Student Coordination Team:

The following III Year Students from the **Department of Electrical and Electronics Engineering** selected for the **IEEE India Council Student Coordination Team** for the academic year 2022-23.

		
ABISHLAL N S Web Development Team Coordinator	MANI SHA N Content Writing Team Coordinator	MOHAMED AASHIK S Graphic Design Team Coordinator

9. IEEE Richard E.Mervin Student Scholarship:

Mr. M.S.Kumaran and Mr.T. Arangan Rishikesh B.E., Electrical and Electronics Engineering won the **IEEE Richard E.Mervin Student Scholarship (USD 1000)** provided by IEEE Computer Society.

	Mr. MS Kumaran 2017 – 2021 Batch/EEE	IEEE Richard E. Merwin Student Scholarship Winner Prize money of 1000 USD
	Mr. T. Arangan Rishikesh 2018 – 2022 Batch/EEE	IEEE Richard E. Merwin Student Scholarship Winner Prize money of 1000 USD




10. IEEE Region Young Professionals REVOL 2021 Program:

Mr. M.S.Kumaran, B.E., Electrical and Electronics Engineering won the IEEE Region Young Professionals REVOL 2021 Program.

	<p>Mr. MS Kumaran 2017 – 2021 Batch/EEE</p>	<p>IEEE Region 10 Young Professionals REVOL Winner</p>
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11. Online Hack-a-than:

The following students won Prize worth Rs.5000 through National Level Online Hack-a-than on Sustainable Energy organised by VIT Chennai on 08.01.2022.

Year	Team Member(s)	Details	Prize
<p>I CSE</p>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Ms. Durga S 21CS202</p> </div> <div style="text-align: center;">  <p>Ms. Harini S 21CS315</p> </div> </div> <div style="text-align: center; margin-top: 20px;">  <p>Ms. Harini J 21CS203</p> </div>	<p>Theme: “Energy Conservation”</p> <p>Title: Manufacturing Detergent</p> <p>Mentors: Mr.S.Manikanda Prabhu Assistant Professor Dept. of Mathematics</p> <p>Mr.P.Naveen Assistant Professor Dept. of Computer Science and Engineering</p>	<p>II Place Rs.5,000/-</p>

12. TNSCST Students project Scheme:

The following Final Year students and Faculty members received grant of Rs.7, 500 from Tamil Nadu State Council for Science and Technology (TNSCST) towards Students project Scheme under Science, Engineering and Technology.

S. No	Name of the Faculty	Project Title	Student Name
1.	Dr.T.D.Sudhakar Professor / EEE	Mitigation of mosquito larvae production in water bodies using photovoltaic energy applied to water agitators	Sebastian Sujan Gomez.J Sasikkumar.B
2.	Ms.R.G.Nirmala Assistant professor / EEE	Power compensation in hybrid wind-PV grid connected using PVR	A.S.Keerthanaa Sri
3.	Dr.C N.Gnanaprakasam Associate Professor / EIE	Fabric development using waste pet bottles	Mugilan S, Mohamed Afrith Kareem
4.	Mrs.C.Ramadevi Assistant professor / EIE	Automation of effluent treatment plant	Kruthika.A, Pooja.P
5.	Ms.S.Banupriya Assistant Professor / Civil	Development of IoT Based Landslide Monitoring, Detection and Early Warning System Using Drone and Remote Sensing Data for Nilgiris District	Chandra Sivam.S, Jeffin.P, Arun Balaji.S, Rithish Ragul.B
6.	Mrs.S.Ancy Assistant Professor / IT	IOT based flood detection system	Kapila.R.G, Aarthi.S
7.	Dr.S.Rajeshkannan Associate Professor / ECE	Development of smart surveillance and vehicle halt system using deep learning vision model	Eswara Prasad.S, Giridharan.B
8.	Dr.C.Karthik Associate Professor / Biotech	Green synthesized RGO silver nanoparticle coated protective mask for COVID19	Beulah Shiny.H


13. Syllogic 2K22:

The following students **won PRIZES** at **National Level Technical Symposium – Syllogic 2K22** held at **Kongu Engineering College**.

S. No	NAME	REGISTER NO.	YEAR	EVENT	PLACE
1.	Francia Virgin J	312320203011	II	Paper Presentation	I
				Poster Presentation	I
2.	Natanya Ida Susana J	312320203028	II	Paper Presentation	I
3.	Kirubalini S	312320203019	II	Paper Presentation	I
4.	Subasri S	312320203043	II	Paper Presentation	I
5.	M Trisha	312320203046	II	Poster Presentation	III
6.	S Kaviya Selvi	312320203018	II	Poster Presentation	III

14. IEEE Madras Section Student Project Funding:

The following students won Third Prize in IEEE Madras Section Student Project Funding (SPF 2021-22) held on 23.04.2022.

IV year EEE Students			Prize Details
 Arangan Rishikesh T	 Akshaya S	 Bavithra Rajan S	Title STUNG
Faculty Mentor Mr. Sreekanth R Assistant Professor Department of EEE			Third Place Rs. 5,000/- Cash Prize







15. National Level Innovation Grant Program:

Received a Research Grant of Rs.3, 50,000 through National Level Innovation Grant Program organised by ARTPARK, IISc, Bangalore for supporting students final year projects.

IV year CSE Students		Faculty Mentor
 S. Revanth	 S. Venkat	Dr. G. MARIA KALAVATHY Professor and Head Student Affairs
Fund Details Research Grant Rs. 3,50,000/- (Grant with Mentorship) Project Title : Artificial Intelligence Based Integrated and Distributed System for Preventing Covid-19 Spread using Deep Learning Innovation Grant Program, Indian Institute of Science, Bangalore (National Level Technology Innovation Grant)		

16. National Academy of Engineering (INAE) Conclave 2021:

The following students won Prizes with the amount worth of Rs.54, 000 through Indian National Academy of Engineering (INAE) Conclave 2021, organised to encourage students and facilitate the engagement of Indian youth in engineering activities.

Year	Team Members	Details	Prize
II CSE	 Ms. Dharane Manne  Ms. Marika Mahalakshmi  Ms. Bhuvana Rajputana	Faculty Mentor : Mr. Vinu S Assistant Professor Theme: “Teaching and Learning in Pandemic” Title: EdMasti - A Learning App	I Rs.30,000/-
III CSE	 Ms. Sri Roopa R  Mr. Sriakeshram B  Mr. Sreyankumar S	Faculty Mentor : Dr. Hemalatha R Associate Professor Mr. Balaji K Assistant Professor Theme: “Engineering Intervention to fight against COVID-19 and Healthcare Management” Title : ANN Co-Cough Detector	II Rs.24,000/-



17. HACKINFINITY:

The following students won Prizes with the amount worth of Rs.20, 000 through HACKINFINITY organised by SSN College of Engineering.

Year	Team Member(s)	Details	Prize
II CSE	 Ms. HARENE M	Faculty Mentor : Mr. Vinu S Assistant Professor Theme: Health Care Title: Health Aid	Winner Rs.12,000/-
III CSE	 Mr. Sangeetha Nesan R  Mr. Tony A M  Mr. Sreyankumar S	Faculty Mentor : Dr. Hemalatha R Associate Professor Mr. Balaji K Assistant Professor Theme: “Bringing Few Advanced Technological Enhancements in the Field of HealthCare and Digitalizing HealthCare” Title: DIGI-HOSPITAL	I st Runner up Rs.8,000/-

18. Centered Design Hackathon:

The following student won **First Prize (1000 Euro)** in **User Centered Design Hackathon** organised by **NanoGiants, GmbH, Germany**.

II year CSE Student	
 <p>Vedha Sankar (One among the team members from Germany, UK and India)</p>	<p>Faculty Mentor Ms. Shanthini S Assistant Professor</p> <p>Team Name TVA</p> <p>Category “Best Running Software”</p> <p>Challenge 4 Evaluation of Design Solutions</p>
 <p>The certificate is titled "USER CENTERED HACKATHON Choose to Build" and is dated "17th-19th September 2021". It features a "FIRST PLACE" badge and a graphic of a laptop with a person icon. The text on the certificate reads: "The goal of this hackathon with more than 200 registrations, in over 30 countries spanning across 6 continents, was to find ways, to further improve the user centered design process, by optimising processes and develop tools or products that leverage user centrality." The winner is listed as "VEDHA SANKAR" in the "Winner 'Best running Software'-Category". Three signatures are present at the bottom: Dennis Mathias Scherf (Software Engineer, nanogiants), Stefan Naidig (CEO, nanogiants), and Nadja Nasser (UK & US Designer, nanogiants).</p>	
