

E-Magazine Volume 13
2021-2022



**Department of
Computer Science & Engineering**

COMPSENSE



ST JOSEPH ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION

Vamanjoor, Mangaluru - 575028



VISION

To be recognized as a centre of excellence in computer and allied areas with quality learning and research environment.

MISSION

- Prepare competent professionals in the field of computer and allied fields enriched with ethical values.
- Contribute to the Socio-economic development of the country by imparting quality education in computer and Information Technology.
- Enhance employability through skill development.

PROGRAMME EDUCATIONAL OBJECTIVES

- To impart to students a sound foundation and ability to apply engineering fundamentals, mathematics, science and humanities necessary to formulate, analyze and design and implement engineering problems in the field of computer science.
- To develop in students the knowledge of computer science and engineering to work in various fields networks, data, web and system engineering.
- To develop in students the ability to work as part of team through effective communication on multidisciplinary projects.
- To train students to have successful careers in computer and information technology industry to meet the needs of society enriched with professional ethics.
- To develop in students the ability to pursue higher education and engage in research through continuous learning.

PROGRAMME OUTCOMES

By the end of the undergraduate Programme in CSE, graduates will be able to:

- Apply knowledge of mathematics, science, engineering fundamentals, computer science and engineering to solve complex engineering problems.
- Identify, formulate, research literature, and analyze complex engineering problems in reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- Conduct investigations of complex problems using research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.
- Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.
- Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.
- Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of and need for sustainable development.
- Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
- Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
- Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, give and receive clear instructions.
- Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
- Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

PROGRAMME SPECIFIC OUTCOMES

By the end of the undergraduate programme in CSE, graduates will be able to:

- Understand the principles underlying entrepreneurship, freelancing and the requirements to initiate a startup in the IT or related domains.
- Participate effectively in competitive examinations related to certification, career growth and admission to higher studies.

Director's Message



It gives me an immense pleasure to note that the Department of Computer Science and Engineering is bringing out the annual departmental magazine. “Learning is a continuous process from the minute we are born”. SJEC provides a platform for every student to develop his learning skills . As you scan through the pages, it will enlighten you with the important milestones that department has achieved this year. This magazine should be a good source of guidance for faculty and coming batches of students in choosing activities of their choice in their future for building their carrier.

I congratulate Head of the department, Teaching and non teaching staff, editorial board and students of the Computer Science and Engineering Department for bringing this edition of the newsletter Wish you all the best.

Rev. Fr Wilfred P. D'Souza

Director-SJEC

Assistant Director's Message



I am happy to note that the Computer Science and Engineering department is coming out with the current issue of a department bulletin “COMPSENSE” giving the details of the activities held during the previous semester. My appreciation and thanks to all the staff and students working as a team to bring out this newsletter.

May this newsletter inspire all the readers to recognize the outstanding potential of all the Computer Science Engineers at SJEC Let it strengthen the networking initiatives of the department.

My best wishes to the HOD, the editorial team, COMPSENSE Newsletter co-ordinators and all the students.

Rev. Fr Alwyn D'Souza

Asst. Director-SJEC

Principal's Message



I am delighted to know that the department of Computer Science and Engineering is bringing out yet another volume of newsletter 'COMPSENSE'. A good amount of research activities are taking place in the department under the guidance of the HOD and dedicated staff members. The students of the department have excelled in their academic performances, placements and in the conduct of various activities under the banner of "CIPHER" The association of the department.

This volume, I believe will certainly be more interesting to pursue through. I thank the contributors to the newsletter, editors, HOD faculty and students who have strived hard to bring this issue on time.

Dr Rio D'Souza

Principal -SJEC

Editor's Message



We are happy to present before you COMPSENSE 2021-22, the Department Newsletter of Computer Science and Engineering which reflects the academic, extracurricular and individual achievements of the faculty, students and the department as a whole .

The newsletter provides a platform to the students and faculty members to display their achievements and talents. It also exposes the contribution of our students and faculty members with the outside world. WE believe that this newsletter will definitely create an impact in the minds of the reader.

We thank the Management, Principal and HOD of CSE department for their continuous support and guidance. My heartfelt gratitude to my colleagues and students for the support given in bringing out this news letter.

Ms. Nisha Roche

Assistant Professor – CSE-SJEC

Message from the
HOD - CSE



After three semesters of silent corridors and empty classrooms due to Covid-19, it was a delight to welcome all our students back into the campus. The extensive preparation and planning put into making campus re-entry safe and welcoming is a testament to the care and commitment of all our staff. It is indeed magnificent to see the learning happening despite the masks, handwashing, and physical distancing.

The department has a team of highly experienced and motivated faculty members who are in the process of tuning the young minds to make them globally competitive and help them in upgrading their skills. Through innovative teaching-learning process our students gain vital communication and critical-thinking skills. This approach to teaching-learning, coupled with practical experience gained during Industrial Training in reputed organizations, equips our students to handle the challenges posed by the software industry.

I am glad to inform you that the department has received a funding of approx. Rs 12 lakhs from AICTE through MODROBS scheme for setting up a Centre of Excellence in Advanced Augmented Reality (AR) and Virtual Reality (VR). I thank our SJEC management for supporting the department in setting up this new infrastructure which will facilitate training and internship in the sought-after field of Augmented, Virtual and Mixed reality.

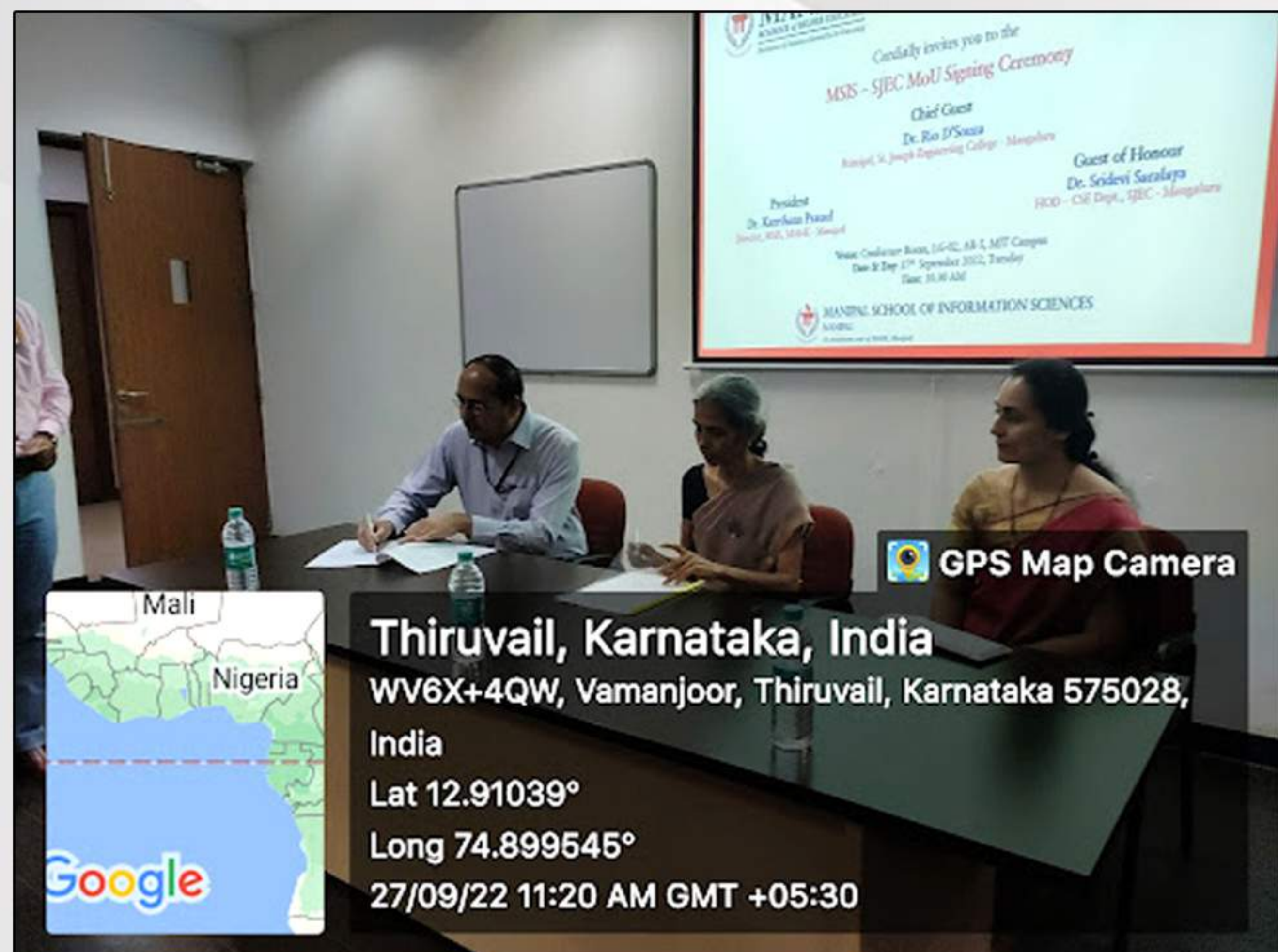
I wish All the very Best to our students in their forth coming exams and wishing them a Bright and Vibrant future. I congratulate the editorial team in their efforts towards bringing out this masterpiece of CSE magazine.

Dr Sridevi Saralaya
HOD CSE -SJEC

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	● MoU - MSIS
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DEPARTMENT ACTIVITIES

Academia Collaboration



An MoU was signed between the Department of Computer Science, SJEC and Manipal School of Information Sciences (MSIS), MAHE, Manipal on 27th September 2022 by Principal Dr Rio D'Souza and Dr Keerthana Prasad, Director, MSIS. The MoU was coordinated by Dr Sridevi Saralaya HoD- CSE.

The main purpose of this MoU is to foster collaborations by jointly organizing short-term continuing education programs, seminars, conferences and workshops on topics of mutual interest. This MoU will also enable engagement in Research and Training activities as well as assist Final and Pre-Final year students in their internship and project work.

Three day workshop on “ Research in Artificial Intelligence by Domain : Applications and Technologies”

The Department of Computer Science and Engineering of St Joseph Engineering College organized a three day workshop on “Research in Artificial Intelligence by Domain: Applications and Technologies” from 21-23 March 2022. The three day workshop was inaugurated on 21st March 2022 at 9:30 AM. The programme started by invoking the blessings of the divine through a prayer which was followed by lightening the lamp. Dr Sridevi Saralaya, Head of the Department of CSE welcomed the gathering and gave an introduction of all the session topics, schedule and the respective session speakers. The Chief Guest of the function, Dr Rio D'Souza, Principal and the president of the function, Rev. Fr Wilfred Prakash D'Souza, Director, SJEC spoke about the importance of Artificial Intelligence and also wished the participants a happy learning. Dr. Kavitha K Mahesh, Convenor of the workshop, presented the vote of thanks.

Day-wise session summary

Day 1 (March 21, 2022):

Resource Person: Dr. Rio D'Souza, Principal and Professor in CSE, SJEC, Mangaluru

Dr Rio D'Souza spoke about the importance of AI and its significance in various fields. He also gave a brief introduction of evolutionary computing and how it is applied to the field of Neural Network.

Resource Person: Dr Manjunath Mulimani, Asst Prof, MIT, Manipal

Dr Manjunath Mulimani gave an introduction about Neural Networks and how Deep Learning is used to train deeper and deeper neural networks. He spoke about the advancements/researches that has taken place in the field of Deep Learning. The session concluded with a Q and A session and a note of thanks to the resource person.

Resource Person:

Dr H L Shashirekha, Professor, Mangalore University, Mangaluru

Dr H L Shashirekha gave an introduction to Natural Language Processing. She explained the various tasks that is involved in NLP like linguistics, Speech recognition, Part of speech tagging, Word sense disambiguation, Named entity recognition, Sentiment analysis and many more. She gave various examples to support the topics. The session concluded with a Q and A session and a note of thanks to the resource person.

Day 2 (March 22, 2022):



Resource Person: Dr Anand Kumar M, Assistant Professor, NITK, Mangaluru

Dr Anand Kumar M gave an introduction to NLP and human-computer interaction. He then gave insights into Conventional Machine Learning, Transfer Learning and Deep Learning. He explained in detail about how transfer learning can be used in NLP. He also explained how BERT model by giving various examples. At the end, he demonstrated the working of BERT model using Jupiter Notebook. The session concluded with a Q and A session and a note of thanks to the resource person.

Resource Person: Ms Veena Mayya, Assistant Professor, MIT, Manipal

Ms Veena Mayya gave an introduction to parallel programming and highlighted the difference between CPU and GPU programming. She explained the architecture of nVidia G80 GPU. She then gave a brief introduction of Cuda programming model. She then explained the role of threads, grids by using sample code examples. She demonstrated the working of CPU and GPU using Jupiter Notebook.



Day 3 (March 23, 2022):



Resource Person: Dr Vasudeva, Professor, NMAMIT, Nitte.

Dr Vasudeva started the session by giving a brief introduction to AI and Graph theory. He explained the importance of graph theory and the various algorithms that can be used. He then briefed about the different application in which graph theory can be used. The session concluded with a Q and A session and a note of thanks to the resource person.

DEPARTMENT ASSOCIATIONS

CIPHER, Delta Devops and CSI SJEC Chapter

Inauguration of CSE Department Association Cipher



The Department of Computer Science and Engineering in association with CIPHER Association organized a Branch Entry programme on 27th November 2021. The event was organized to welcome the second year students to the department. During the session information about the CSE Department and its associations was given. They were encouraged to join and participate actively in various activities and competitions conducted.

This event was organized by the third and fourth years for the new joiners. The theme of the day was "Bollywood Bash". The programme began with a grand welcome for the juniors. The emcees for the event were Mr Chirag M, Ms Apeksha Rai and Mr Mohammed Shehzad. The first event was the thematic performances by the 4 classes of second year. They were given a movie and had to depict it in any form they want. A couple of games like "Who's the Desi Girl?" and some spot games were conducted.



Refreshments and snacks were served to everyone present. Later on the academic achievers of the third and fourth years were awarded. The juniors were surprised by a Flash Mob by few of the seniors. The event ended with everyone moving their feet to the grooving music. The event was indeed a colorful and an energetic one.

Two-days Hands-on Webinar on “Fundamentals of Low-Cost Hardware Integration using MATLAB & Simulink

The poster is for a two-day hands-on webinar. At the top left are logos for SVEC MATLAB and CoreEL Technologies. The top right features the logo of St Joseph Engineering College Mangaluru, an autonomous institution. The text identifies the Department of Computer Science and Engineering, in association with SVEC Matlab and CoreEL Technologies Bengaluru, as the organizers. The webinar title is 'FUNDAMENTALS OF LOW-COST HARDWARE INTEGRATION USING MATLAB & SIMULINK', held on 12-13 July 2021 from 3:00 PM to 4:30 PM. The resource person is Mr. Shashikumar J K, Application Engineer at CoreEL Technologies Bengaluru. A registration link is provided: <https://bit.ly/CSE-MAT>. The poster details the agenda for Day 1 (Fundamentals of MATLAB & Simulink) and Day 2 (Low-Cost Hardware Interface using MATLAB & Simulink). It also states that E-certificates will be provided to all participants and provides contact information for Dr. Harivinod N.

Department of Computer Science and Engineering
In association with
SVEC Matlab and
CoreEL Technologies Bengaluru
organizes
Two-day Hands-on Webinar on
**FUNDAMENTALS OF LOW-COST
HARDWARE INTEGRATION
USING MATLAB & SIMULINK**
12-13 July 2021
3:00 PM to 4:30 PM

Mr Shashikumar J K
Application Engineer
CoreEL Technologies Bengaluru
Registration Link:
<https://bit.ly/CSE-MAT>

Day 1: Fundamentals of MATLAB & Simulink

- Getting Started with MATLAB online
- Managing and visualizing Matrices
- Automating Algorithm Development using MATLAB
- Introduction to Model Based Design using Simulink
- Modelling Dynamic Systems

Day2: Low-Cost Hardware Interface using MATLAB & Simulink

- Introduction to Embedded System Design
- Low-Cost Hardware Support
- MATLAB Support Package for Arduino Hardware
- Introduction to Arduino Simulink Library Block Set
- Demos and Activities

E-Certificates will be provided to all participants.
Contact: Dr Harivinod N, Associate Professor, Dept. of CSE, 97411 99888

Department of Computer Science and Engineering in association with SVEC Matlab and CoreEL Technologies Bengaluru organized Two-days Hands-on Webinar on “Fundamentals of Low-Cost Hardware Integration using MATLAB & Simulink” during 12-13 July 2021, 3:00 PM to 4:30 PM. Mr. Shashikumar J K, Application Engineer, CoreEL Technologies Bengaluru was the resource person. The webinar is hosted through ZOOM application. The webinar started by welcome and introductory remarks by Dr. Harivinod N, Convener.

Day 1 (12-07-2021): focused on Fundamentals of MATLAB & Simulink. The topics covered are Getting Started with MATLAB online, Managing and visualizing Matrices, Automating Algorithm Development using MATLAB, Introduction to Model Based Design using Simulink and Modelling Dynamic Systems.

Day2 (13-07-2021): focused on Low-Cost Hardware Interface using MATLAB & Simulink. The topics covered are Introduction to Embedded System Design,

Low-Cost Hardware Support, MATLAB Support Package for Arduino Hardware, Introduction to Arduino Simulink Library Block Set, Demos and Activities. The convener delivered the vote of thanks. In total 78 students attended the webinar across the branches.

Webinar on “Career Pathway to Cyber Security”

Cipher – the student association of Department of Computer Science and Engineering organized an online webinar on ‘Career Pathway to Cyber Security’ for the students of SVEC by Ms Rochelle Noronha, alumna, class of 2019, GRC Associate Consultant, PrivaSec, Australia on 24-07-2021 from 11 am to 12 noon.

The talk began with Ms Jennifer Serrao, III-year CSE, welcoming the gathering. Ms Rochelle Noronha spoke about the pre-requisites for the Master’s program in cyber security at Australia. She mentioned about entrance test and also about the subjects to be concentrated during graduation. She threw light on how a student must select a university for their studies. She spoke about the different opportunities for a cyber-security professional. She gave few tips on upskilling the knowledge and the importance of networking through LinkedIn. She also highlighted free education resources for cyber security. Overall, the

session was very interactive. A total of 237 participants attended the session. Dr Sridevi Saralaya, HOD-CSE congratulated Ms Rochelle and wished her good luck for her future endeavors. Ms Supreetha and Ms Nisha Roche moderated the session. The session ended with Mr Caron DCunha proposing the vote of thanks.

The poster is for a webinar on 'Career Pathway to Cyber Security'. It features the logo of St Joseph Engineering College Mangaluru at the top left. The text identifies the Department of Computer Science and Engineering and the Cipher – CSE Student Association as the organizers. The webinar title is 'CAREER PATHWAY TO CYBER SECURITY', held on Saturday 24 July 2021 at 11.00 am, and is open to all. The resource person is Ms Rochelle Noronha, Alumna, Class of 2017, GRC Associate Consultant, PrivaSec, Australia. A registration link is provided: <https://tinyurl.com/CSEWebinarSVEC>. The poster also lists the Faculty Coordinators: Ms Supreetha R, Asst Prof.-CSE and Ms Nisha Roche, Asst Prof.-CSE.

ST JOSEPH
ENGINEERING COLLEGE
MANGALURU
AN AUTONOMOUS INSTITUTION

Department of
Computer Science and Engineering
Cipher –CSE Student Association
organizes
Webinar on
**CAREER PATHWAY
TO CYBER SECURITY**

Saturday 24 July 2021
at 11.00 am
OPEN TO ALL

Ms Rochelle Noronha
Alumna, Class of 2017
GRC Associate Consultant
PrivaSec, Australia

Registration link: <https://tinyurl.com/CSEWebinarSVEC>
Faculty Coordinators:
Ms Supreetha R, Asst Prof.-CSE | Ms Nisha Roche, Asst Prof.-CSE

CSI-SJEC CHAPTER

Hands-on Session on “Application Development highlighting backend connectivity using different tools”

The Department of Computer Science and Engineering of St Joseph Engineering College in association with CSI-SJEC Student Chapter organized a one day Hands-on Session on “Application Development highlighting backend connectivity using different tools” for fifth semester CSE students on 30/10/2021 from 11am to 5pm. A total of 100 students participated in the session. The resource person for the session was Dr Melwyn D’Souza, Former Senior Delivery Manager, Diya Systems Pvt. Ltd, Mangaluru.



Mr Jenol Pinto of 4th year CSE welcomed the resource person and the participants. Ms Sunitha G, Assistant Professor, CSE Dept gave a brief introduction about the purpose of conducting the workshop. The resource person started the session by briefing about the software’s that are required to be installed for the session. He showed how the frontend can be created using java and how it can be connected to the backend tool SQL server. In the afternoon session, the resource person made the students to work on the creation of frontend using python. He also showed how interaction can be done using oracle and python.

The session ended by thanking the resource person for conducting a wonderful session. Students participated enthusiastically for the whole duration of the session. Ms Sunitha Guruprasad and Ms Renuka Tantry were the coordinators of the session.

Hands-on Session on “Insights on Computer Network Fundamentals”

The Department of Computer Science and Engineering of St Joseph Engineering College in association with CSI-SJEC Student Chapter organized a Hands-on Session on “Insights on Computer Network Fundamentals” for fifth semester CSE students on 30/11/2021 from 1:30pm to 5pm. A total of 72 students participated in the session. The resource person for the session was Dr Gururaj H L, Associate Professor, VVCE, Mysuru.



Ms Renuka Tantry, Assistant Professor, CSE welcomed the resource person and all the participants, also gave a brief introduction about the purpose of conducting the workshop. The resource person started the session by briefing about the fundamental concepts of computer networks. He made students to understand the concepts through working with several network commands. In the second session, the resource person explained about the OSI layers and the different protocols used in OSI layers with examples. He also demonstrated how to capture live packets through wireshark packet analyser tool.

Dr Sridevi Saralaya, HOD-CSE felicitated the resource person. The session ended by thanking the resource person for conducting a wonderful session. Students participated enthusiastically for the whole duration of the session. The session was compered by Ms Khatija Fidhah of 3rd year CSE.



Interactive webinar on “How Artificial Intelligence is transforming the world”

ST JOSEPH ENGINEERING COLLEGE MANGALURU AN AUTONOMOUS INSTITUTION

Department of Computer Science and Engineering
in association with
Alumni Association
organizes
Interactive Webinar on
How Artificial Intelligence is Transforming the World

Ms Lyvia D'Almeida
Data Scientist and Lead Business Consultant
An Alumna from CSE Dept

Saturday, 10 July 2021
11:00AM to 12:00PM
For all SJEC Students

Registration link: <https://tinyurl.com/AlumniWebinar-DataAnalytics>
Faculty Coordinator: Ms Renuka Tantry

The Department of Computer Science and Engineering of St Joseph Engineering College in association with Alumni association along with CSI-SJEC Student Chapter organized a interactive webinar on “How Artificial Intelligence is transforming the world” by Ms Lvyia Dalmeida, Data Scientist and Lead Business Consultant for all SJEC Students on 10th July 2021 from 11a.m. to 12a.m

CSI and Delta Devops

Webinar on “Synergy of Business Management and Information Technology”

Delta Devops and CSI – the student associations of Department of Computer Science and Engineering organized an online webinar on “Synergy of Business Management and Information Technology” for the students of SJEC by Ms Nina Sophia Dsouza, alumna, class of 2012, Project Support Officer at Monash Australia on 31-07-2021 at 12 noon.

ST JOSEPH ENGINEERING COLLEGE MANGALURU AN AUTONOMOUS INSTITUTION

Open to all SJEC student

Department of Computer Science and Engineering
Delta-DevOps and CSI Student Association
Organizes Webinar on
Synergy of Business Management and Information Technology
31 JULY 2021 | 12:00 PM

Resource person:
Nina Sophia Dsouza
Alumna Class of 2012
Project Support Officer at Monash University
Master of Business Information Systems at Monash University

Faculty coordinators
Ms Nisha Roche Ms Renuka Tantry

Registration Link: <https://tinyurl.com/cseWebinar2021>

The talk began with Ms Akansha, III-year CSE, welcoming the gathering. Ms Nina spoke about how her industry experience of 7 years had helped her get admission in Monash University and the role she is working in. She gave a few tips on upskilling the knowledge and the importance of networking through LinkedIn. Overall, the session was very interactive. A total of 200 participants attended the session. Dr Sridevi Saralaya, HOD-CSE congratulated Ms Nina and wished her good luck for her future endeavors. Ms Renuka and Ms Nisha Roche moderated the session. The session ended with Ms Akansha proposing the vote of thanks.

FACULTY CORNER

FDP and Workshops attended by Faculty :

Sl No	Name of the Faculty	Organizing Institution	Name of the Program	Date From	Date To
1	Dr Sridevi Saralaya	Jawahar College of Engineering and Technology	Technology Driven Health Care Systems	18-1-2022	24-1-2022
		St Joseph Engineering College Mangaluru	Research in AI by Domain: Applications and Technologies	21-3-2022	23-3-2022
		East Point College of Engineering and Technology	Big Data Analytics and Machine Learning	26-3-2022	1-4-2022
		St Joseph Engineering College Mangaluru	Academic Writing	4-4-2022	8-4-2022
		St Joseph Engineering College Mangaluru	Webinar on "Expanding the Magic Circle in Pervasive Casual Games"	4-4-2022	4-4-2022
2	Ms Sunitha G	St Joseph Engineering College Mangaluru	5 Days FDP on "Problem Based Learning (PBL)"	13-9-2021	17-9-2021
		Government College of Engineering, Dharmapuri	ATAL Academy Online FDP on "Blockchain Technology"	23-8-2021	27-8-2021
		Punjab Engineering College, Chandigarh	ATAL Academy Online FDP on "Cryptocurrency and Blockchain Technology"	16-8-2021	20-8-2021
		Ramaiah Institute of Technology, Bangaluru	One Week Workshop on "Digital Forensics and Investigations"	9-8-2021	13-8-2021
		Christ College of Engineering, Irinjalakuda, Kerala	3 day FDP on "Research Frontiers in Computer Science"	1-7-2021	3-7-2021

3	Dr Kavitha Mahesh	Sona College of Technology	ATAL Academy Online Elementary FDP on "Secrets of Human Bio-energy fields & Subconscious mind"	12-7-2021	16-7-2021
		St Joseph Engineering College Mangaluru	Implementation of NEP 2020 at Engineering Institutions	30-8-2021	6-9-2021
		St Joseph Engineering College Mangaluru	5 Days Intensive FDP on Problem Based Learning (PBL)	13-9-2021	17-9-2021
		St Joseph Engineering College Mangaluru	Three Day Workshop on Research in Artificial Intelligence by Domain: Applications & Technologies	21-3-2022	23-3-2022
		St Joseph Engineering College Mangaluru	Webinar on "Expanding the Magic Circle in Pervasive Casual Games"	4-4-2022	4-4-2022
4	Dr Shreenath Acharya	St Joseph Engineering College Mangaluru	Strategic Leadership for Faculty Members	Sep 7,14,21 & 28 - 2021	
		St Joseph Engineering College Mangaluru	Three Day Workshop on Research in Artificial Intelligence by Domain: Applications & Technologies	21-3-2022	23-3-2022
		St Joseph Engineering College Mangaluru	Webinar on "Expanding the Magic Circle in Pervasive Casual Games"	4-4-2022	4-4-2022
5	Dr Harivinod N	IEEE Bangalore Section	IEEE Conference Organizers Education Workshop	10-4-2022	10-4-2022
		DELNET	Delnet: Resources and Services	4-10-2021	4-10-2021
		St Joseph Engineering College Mangaluru	Research in AI by Domain: Applications and Technologies	21-3-2022	23-3-2022
		East Point College of Engineering and Technology	Big Data Analytics and Machine Learning	26-3-2022	1-4-2022
		St Joseph Engineering College Mangaluru	FDP on Academic Writing	4-4-2022	8-4-2022
		St Joseph Engineering College Mangaluru	Training on CONTINEO Software	21-9-2021	21-9-2021
6	Ms Supriya Salian	AICTE, New Delhi	Online orientation training programe for Mentors	26-7-2021	30-7-2021
7	Dr Karthik K	St Joseph Engineering College Mangaluru	"Implementation of NEP 2020 at Engineering Institutions"	30-8-2021	6-9-2021
		St Joseph Engineering College Mangaluru	Research in AI by Domain: Applications and Technologies	21-3-2022	23-3-2022

8	Ms Smitha V George	IQAC- St Joseph Engineering College Mangaluru	FDP on Problem Based Learning by Dr Vikas Shinde	13-9-2021	17-9-2021
		Department of Computer Science, DCT's Dhempe College of Arts and Science, Miramar, Goa	State-level Webinar on the theme 'Computational Linguistics'	29-7-2021	29-7-2021
		St Joseph Engineering College Mangaluru	Academic Writing	4-4-2022	8-4-2022
9	Ms Shravya Shetty	St Joseph Engineering College Mangaluru	5 Days FDP on "Problem Based Learning (PBL)"	13-9-2021	17-9-2021
		E & ICT Academy, IIT Kanpur	Data Science	5-7-2021	16-7-2021
		Ramaiah Institute of Technology	Digital forensics and Investigations	9-8-2021	13-8-2021
		AICTE	An Overview of teaching techniques in Innovation and design thinking	27-12-2021	31-12-2021
		SJC Institute of Technology	Artificial Intelligence and machine learning	20-9-2021	22-9-2021
10	Ms Jaishma Kumari	St Joseph Engineering College Mangaluru	5 Days FDP on "Problem Based Learning (PBL)"	13-9-2021	17-9-2021
		Sri Jayachamarajendra College of Engineering	AICTE Training And Learning (ATAL) Academy	5-7-2021	9-7-2021
		NMAM Institute of Technology, Nitte	Focuses on Learning the Scope of Security Aspects and Applications	22-7-2021	31-7-2021
11	Ms Prajna M	St Joseph Engineering College Mangaluru	5 days FDP on "Problem Based Learning"	13-9-2021	17-9-2021
		Vishwakarma Institute of Technology	Emerging Paradigms in Artificial Intelligence and Data Science	16-8-2021	20-8-2021
		Reva University	Professional Ethics	2-8-2021	6-8-2021
		E & ICT Academy, IIT Kanpur	Machine Learning	19-7-2021	24-7-2021

12	Ms Rakshitha	M S Ramaiah Institute of Technology, Bangalore	Workshop on “Digital Forensics and Investigations”	9-8-2021	13-8-2021
		St. Joseph Engineering college, Mangaluru.	FDP on “NEP 2020 Implementation at Engineering Institutions”	30-8-2021	6-9-2021
		St. Joseph Engineering college, Mangaluru.	Workshop on “Research in Artificial Intelligence by Domain”	21-3-2022	23-3-2022
		Visvesvaraya Technological University Consortium & Springer Nature	User awareness program on Springer Nature e-resources	21-2-2022	21-2-2022
		Ministry of Education , AICTE and CyberPeace Foundation	Level 1 Training under Project eSaksham	Oct 2021	
		St Joseph Engineering College, Mangaluru	Webinar on "Expanding the Magic Circle in Pervasive Casual Games"	4-4-2022	4-4-2022
13	Ms Anusha S	St. Joseph Engineering college, Mangaluru.	Workshop on “Research in Artificial Intelligence by Domain”	21-3-2022	23-3-2022
		St. Joseph Engineering college, Mangaluru.	FDP on "Artificial Intelligence and Machine learning"	24-2-2022	24-2-2022
		St Joseph Engineering College Mangaluru	Webinar on "Expanding the Magic Circle in Pervasive Casual Games"	4-4-2022	4-4-2022
14	Ms. Supreetha D R	Government Engineering College, Rajkot	Getting Started with Deep Learning	16-10-2021	16-10-2021

QUOTES

“SUCCESS IS A LOUSY TEACHER . IT SEDUCES SMART PEOPLE INTO THINKING THEY CAN’T LOSE.”

- BILL GATES

EDUCATION IS ONE THING NO ONE CAN TAKE AWAY FROM YOU.

EDUCATION is the KEY to UNLOCK the GOLDEN DOOR of FREEDOM

“INNOVATION DISTINGUISHES BETWEEN A LEADER AND A FOLLOWERS”

- STEVE JOBS

ACHIEVEMENTS

Funding Received by the Department



Principal Investigator
Dr Sridevi Saralaya

Title of Project:

**Center of Excellence in
Advanced Augmented
Reality(AR) and Virtual
Reality(VR)**

Funded by: AICTE

Year of Sanction: **2021-22**

Total Amount: **Rs. 1202000.00**



Co-Principal Investigator
Dr Rio D'Souza

Achievements-Faculty:

Dr Sridevi Saralaya was awarded the **Best Paper Award** for the paper titled **“Ali Express, A Collaborative Recommendation Algorithm”** which was presented in IEEE international conference on Smart Technologies and systems for Next Generation Computing” held at IFET college of Engineering on 25 and 26 March 2022.

PhD awarded :

Dr Karthik K was awarded a PhD degree for the thesis titled **“Automated Quality Enhancement, Modelling and Management of Diagnostic Scan Images with AI Techniques”** from NITK Surathkal on 09.05.2022.



Dr Rio Dsouza was awarded the **Best Paper Award** in the track Active learning for higher order thinking and professional skills for the paper titled **“constructive methodologies to overcome the technological barriers in online teaching-Learning Process”** in ICTIEE 2021.

Faculty Internship Program- Industry academia Interaction



Ms Nisha Roche, Assistant Professor in the department of Computer Science and Engineering was part of the six months M-Fi Research scholar Program at Multicoreware Inc, Chennai. This Program was an initiative by IUCEE in collaboration with SJEC and Multicoreware.

KSCST GRANT 2021 - 22



Dr Harivinod N, Evanka Dsouz, Dhanshree, Fathima Suha, Nisha have received a grant of RS 6000/- by the karnataka state

council for Science and Technology (KSCST) for the project titled Android application for fall armyworm identification on maize using deep learning in the year 2021-22.

Ms Renuka Tantry completed the International Engineering Educator Certification organised by the IUCEE Foundation on 23 July 2022.



Research Publications July 2021 to June 2022

SI No	Name of the Faculty	Title of the paper/ Book	Title of the Journal/ proceedings of the conference	National / International	Publication Month
1	Dr Sridevi Saralaya	AliExpress- A Collaborative Recommendation System	IEEE International Conference on Smart Technologies and Systems for Next Generation Computing (ICSTSN 2022)	International	March
		Application of Process Mining for TB Testing Process	IEEE 7th International Conference for Convergence in Technology (I2CT)	International	April
2	Dr Harivinod N	AIOPs based Predictive Alerting for System Stability in IT Environment	International Conference on Innovative Trends In Information Technology	International	February
		AIOPS Prediction for Server Stability Based on ARIMA Model	International Journal Of Engineering Research & Technology	International	December
3	Mr Krishnaraj Rao	Android App and RFID Based Smart Ration Distribution System	2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC)	International	December
		An Automated Robotic Arm: A Machine Learning Approach	2021 IEEE International Conference on Mobile Networks and Wireless Communications (ICMNBC)	International	December
4	Mr Ashwin Shenoy M	A Survey on Different Computer Vision Based Human Activity Recognition for Surveillance Applications	6th International Conference on Computing Methodologies and Communication (ICCMC)	International	March
5	Dr Shreenath Acharya	Enhanced Performance and Data Security using Elliptic Curve Cryptography in Cloud Environment	International Conference on Computational Performance Evaluation (ComPE-21)	International	April
6	Ms Sunitha Guruprasad	Heart Disease Prediction Using Machine Learning Techniques	5th International Conference on Electrical, Electronics, Communication, Computer Technologies and Optimization Techniques (ICEECCOT)	International	December
7	Ms Nisha Roche	An Augmented reality approach to Event Designing	International journal of research and analytical reviews (IJRAR)	International	April

STUDENT CORNER



Congratulations

VTU Rank Holder

Ms Simonne L Pinto obtained second rank in VTU examinations held in the year 2021-22 with an overall CGPA of 9.69.

Student Achievement/ Participation in various events in 2021-22

Inter Collegiate Events 2021-22

SL. NO	USN	STUDENT NAME	EVENTS PARTICIPATED	PRIZE	DATE OF PARTICIPATION
1	4SO18CS111	Siona Crissel Dsouza	The one with the Fandoms, IEEE Bangalore Section	First	12-10-2021

Inter Collegiate Events 2021-22

SL. NO	USN	STUDENT NAME	EVENTS PARTICIPATED	PRIZE	DATE OF PARTICIPATION
1.	4SO19CS152	Shreya M Padmashali	Global industry experts of IUCEE foundation	Participated	11-07-2021
2	4SO20AI019	Edita Fernandes	Intelligence Information Technology Paper Presentation PLASMA -2021, JNN College of Engineering, Shivamogga	Participated	24-07-2021
3.	4SO20CS417	Samantha Florence Pereira Prabhu	The Art Project, Photography HDFC Bank	Participated	27-07-2021

4.	4SO20CS417	Samantha Florence Pereira Prabhu	Talent Selection Bootcamp ,SHINE foundation in association with Global Alliance for Mass Entrepreneurship(GAME) and Confederation of Indian Industry (CII)	Participated	17-08-2021
5.	4SO20CS155	Shreya Krishna Shetty	Whiz Quiz 2021 National Level E-Quiz Event, Sahyadri College of Engineering & Management Mangaluru	Participated	24-10-2021
6.	4SO18CS037	Disha Tantry	Volleyball inter collegiate rest of Bangalore zone, Maharaja institute of technology Mysore	Participated	29-11-2021
7.	4SO18CS030	Dale Chelsea Vas	Inter-state VTU tournament, Hockey and Basketball at VTU University	Participated	20-12-2021

Student Achievement in Intra Collegiate Events July 2021 – June 2022

SL.NO	USN	STUDENT NAME	EVENTS PARTICIPATED	PRIZE	DATE OF PARTICIPATION
1.	4SO17CS070	Mohammed Ridhun	Carpe Diem by Delta DevOps	2 nd Prize	17-07-2021
2.	4SO18CS088	Pranith Rao	Mecha Hunch, Anuspandana-2021	1 st prize	17-07-2021
3.	4SO18CS088	Pranith Rao	Marvel quest: Treasure Hunt, Anuspandana-2021	1 st prize	17-07-2021
4.	4SO18CS088	Pranith Rao	CSI Summer Codethon Carpe Diem, Anuspandana-2021	1 st prize	17-07-2021
5.	4SO18CS088	Pranith Rao	The Mega Event-Exactories, Anuspandana-2021	2 nd prize	17-07-2021

6.	4SO18CS003	Akanksha Gaonkar	CSI Summer Codethon Carpe Diem, Anuspandana-2021	2 nd prize	17-07-2021
7.	4SO18CS086	Novin Misquith	Hang in there!! Where?,Anuspandana-2021	2 nd prize	17-07-2021
8.	4SO18CS092	Raksharaj S Shetty	CSI Summer Codethon Carpe Diem, Anuspandana-2021	1 st prize	17-07-2021
9.	4SO18CS092	Raksharaj S Shetty	The Mega Event-Exactories, Anuspandana-2022	2 nd prize	17-07-2021
10.	4SO18CS086	Novin Misquith	The Mega Event-Exactories, Anuspandana-2021	2 nd prize	17-07-2021
11.	4SO18CS111	Siona Crissel D'souza	CSI Summer Codethon, Anuspandana-2021	2 nd prize	17-07-2021
12.	4SO20AI009	Annalisa D'Silva	Anuspandana 2021 Online Techno –Cultural Competition, St. Joseph Engineering College, Mangaluru	2 nd prize	17-07-2021
13.	4SO20AI059	Vineeth Shenoy P	Anuspandana 2021 Online Techno –Cultural Competition, St. Joseph Engineering College, Mangaluru	1 st prize	17-07-2021
14.	4SO20CS063	Jeevan V Jijo	Anuspandana 2021 Online Techno –Cultural Competition, St. Joseph Engineering College, Mangaluru	1 st prize	17-07-2021

15.	4SO18CS110	Simonne Letetia Pinto	CSI Summer Codethon Anusandhana	2 nd prize	17-07-2021
16	4SO18CS111	Siona Crissel Dsouza	CSI Summer Codethon Anusandhana	2 nd prize	17-07-2021
17.	4SO19CS152	Shreya M Padmashali	Second place in Online Kannada Essay writing competition , Physics Department in association with EPSILON-Student Association, St. Joseph Engineering College, Mangaluru	2 nd prize	15-08-2021
18	4SO19CS177	Viona Monteiro	Online essay writing competition on Nation First ,Always First	1 st prize	15-08-2021
19	4SO20CS101	Priya Pinto	Milan 2021 A Celebration of Cultural Diversity, St. Joseph Engineering College	1 st prize	13-11-2021
20	4SO20CS420	Tejashwini K	2 nd place in Kala Vaibhav SJEC-Milan2021, St. Joseph Engineering College, Mangaluru	2 nd prize	13-11-2021

Student Participation In Intra Collegiate Events 2021-22

SL. NO.	USN	STUDENT NAME	EVENTS PARTICIPATED	PRIZE	DATE OF PARTICIPATION
1	4SO19CS066	Jessica Naomi Dsouza	Fit India freedom run 2.0, St. Joseph Engineering College, Mangaluru	Participated	13-08-2021
2	4SO20CS047	Ethan	Milan 2021 A Celebration of Cultural Diversity ,St. Joseph Engineering College, Mangaluru	Participated	13-11-2021

PROJECTS 2021-22

SL. NO	USN	NAME	GUIDE	TITLE
1	4SO18CS029	Cleyon Dsouza	Dr Harivinod N	Bank Note Detector
	4SO18CS008	Amogha Vigram		
	4SO18CS017	Arpita D		
2	4SO18CS040	Dsouza Rhea Ancita	Dr Kavitha Mahesh	Identification of gender association, multi-words and abusive words using NLP for regional languages
	4SO18CS048	Harshitha N		
	4SO18CS050	Janice Riona Mendes		
	4SO18CS052	Jenifer Carol Menezes		
3	4SO18CS033	Dhanushree S	Dr Harivinod N	Fall Army Worm Detection Application
	4SO18CS041	Evanka D'souza		
	4SO18CS042	Fathima Suha		
	4SO18CS059	K Nisha		
4	4SO18CS013	Jay Santosh Ankolekar	Mr Ramamoorthy H	Securing Biometric Information Using Blockchain
	4SO18CS021	Aster Elden Dsouza		
	4SO18CS062	Kartikey Gupta		
5	4SO18CS065	Kiran	Ms Prajna M	Behaviour analysis on Human actions
	4SO18CS049	Harshith kumar H D		
	4SO18CS020	Ashvin Sharon Fernandes		
	4SO18CS061	Karthika D N		
6	4SO18CS003	Abhi K V	Dr Shreenath Acharya	A secured HealthCare system using Blockchain
	4SO18CS018	Ashish B A		
	4SO18CS031	Deekshit L Dsouza		
	4SO18CS043	Freston R Pinto		
7	4SO18CS022	Athrika	Ms.Merlin Joseph	Fake products review monitoring
	4SO18CS026	Chaithra		
	4SO18CS035	Dhanya K		
	4SO18CS036	Dhanyashree		
8.	4SO18CS039	Anvith Dsouza	Dr Shreenath Acharya	Detection of Privacy attacks in IOT Network using Deep Learning Model
	4SO18CS056	Joel Dsouza		
	4SO18CS058	Joshil Fernandes		
	4SO18CS067	Anthony Lasrado		
9.	4SO18CS001	Aaron Lobo	Ms.Sunitha G	Crowdfunding using Blockchain
	4SO18CS005	Ajith M D		
	4SO18CS032	Denson Dsouza		
	4SO18CS063	Keith Monteiro		
10.	4SO18CS064	Kevin Arun	Dr Kavitha Mahesh	Cyberbullying Detection in Social Media
	4SO18CS028	Clanita Anusha Mathias		
	4SO18CS027	Christina Roslin George		
	4SO18CS006	Akhil Antony		

11.	4SO18CS045	Gautham S P	Mr Karthik K	Crop Suggester by Estimating the Soil Nutrient Indicators
	4SO18CS046	Gurudeep H N		
	4SO18CS047	H Harikrishna Pai		
	4SO18CS051	Jasmine Hazel Crasta		
12.	4SO18CS015	Anusha A T	Dr Sridevi Saralaya	Conformance Verification of Laboratory testing process using Process
	4SO18CS034	Dhanya G		
	4SO18CS037	Disha Tantry		
	4SO18CS053	Jennifer Serrao		
13.	4SO18CS010	Anisha Dsouza	Ms Renuka Tantry	Artificial intelligence based smart door with face mask detection
	4SO18CS011	Ankitha		
	4SO18CS012	Ankitha Rai K		
	4SO18CS016	Anusha J Shetty		
14.	4SO18CS024	Carol Rebello	Ms Sharvya	Curio - A Virtual assistant
	4SO18CS057	Joshal Pinto		
	4SO17CS105	Sreedevi Sreekumar		
15.	4SO18CS002	Abdul Ahad	Ms Smitha V George	Social Media Sentiment Analysis of Lockdown in India During COVID-19
	4SO18CS025	Caron Shaun D'Cunha		
	4SO18CS030	Dale Chelsea Vas		
	4SO18CS121	Vaishnavi P Samani		
16.	4SO18CS007	Alston Bernard Roche	Ms Renuka Tantry	Automatic Attendance system using Computer Vision
	4SO18CS014	Anoosh D'souza		
	4SO18CS054	Jenol Joyster Pinto		
	4SO18CS097	Rhea Benedicta D'souza		
17.	4SO15CS103	Shibani G	Mr.Ashwin Shenoy	Gender and Age Detection
	4SO17CS087	Rolton Linus Alva		
	4SO18CS404	Kavana S M		
18.	4SO18CS074	Mazin	Mr Rama Moorthy H	Automatic Ordering for Smart Inventory Management
	4SO18CS078	Muhammad Hisham		
	4SO18CS128	Akanksha		
	4SO19CS410	Syed Zain		
19.	4SO18CS070	Lincia Grishma Dsouza	Ms Rakshitha	Acoustic Scene Classification
	4SO18CS071	Linnet Prajna Aranha		
	4SO18CS118	Swathi Prabhu K		
	4SO18CS119	Tanusha Attavar		

20.	4SO18CS081	Nireekshith	Ms Gayana M N	End to End Event Management Solution
	4SO18CS086	Novin Misquith		
	4SO18CS088	Pranith Rao		
	4SO18CS120	Vaibhav K Suvarna		
21.	4SO18CS103	Shanwill Pinto	Dr Melwyn D'Souza	Automated Driver Assistance for Night Driving
	4SO18CS110	Simonne Pinto		
	4SO18CS113	Sriganesh		
	4SO18CS123	Vignesh		
22.	4SO18CS107	Shifali.B.S	Mr Ashwin Shenoy M	A Novel Approach on Intelligence based Surveillance using Object Detection
	4SO18CS112	Siona Misha Nazareth		
	4SO18CS127	Vandana Ann Goveas		
	4SO19CS409	Sushma M S		
23.	4SO18CS072	Maithri	Dr Harivinod N	MedLeaf: An Android App for Medicinal Plant Leaf Identification
	4SO18CS082	Nisha		
	4SO18CS090	Prathvi N B		
	4SO18CS098	S Sneha		
24.	4SO18CS096	Revisha Vas	Dr Shreenath Acharya	Improved Students Performance Prediction Mechanism Using Machine Learning Techniques
	4SO18CS109	Shriraksha		
	4SO18CS126	YOGESHWARI SJ		
	4SO19CS401	Chethana. S		
25.	4SO19CS400	Akshata Vinayak Patil	Ms Jaishma K	Plagiarism Detection for Text and Images.
	4SO19CS403	Neha Deepak Khavanekar		
	4SO19CS406	Rupali Shrikant Naik		
26.	4SO18CS077	Mohammad Rumaiz	Ms Gayana M N	Speech to Sign Language Converter
	4SO18CS099	Sana Parveen		
	4SO18CS108	Shravya A		
	4SO18CS105	Shaz Rasheed Hussain		
27.	4SO18CS091	Rahul Rao	Mr Krishnaraj Rao N S	Diseased Plant detection from Drone Images using Deep learning
	4SO18CS092	Raksharaj Shetty		
	4SO18CS104	Shaun Dsouza		
	4SO18CS125	Wenzel Barboza		
28.	4SO18CS114	Srishti Bhandarkar	Dr Sridevi Saralaya	Use of Machine Learning Techniques to Identify Tuberculosis Predictors for Screening
	4SO18CS115	Sudhiksha S Prabhu		
	4SO18CS116	Sujani K M		
	4SO18CS117	Supritha G		

29.	4SO18CS093	Rakshith U Amin	Ms Supriya salian	Gift Recommendation Application
	4SO18CS094	Rayan Haseeb		
	4SO18CS100	Savin B N		
	4SO18CS102	Shakir manzoor wani		
30.	4SO18CS073	Manjunatha Shenoy R	Ms Sunitha G	Stock Market Sentiment Analysis and stock prediction.
	4SO18CS087	Gavin		
	4SO18CS124	Welroy		
31.	4SO19CS404	Prasanna I Deshbhandri	Mr Karthik K	Cricket Players Analysis and Prediction: Approach for selecting and ideal cricket team.
	4SO19CS405	Roystan CF		
	4SO19CS407	Sumant S Ulvekar		
	4SO19CS408	Sumanth DM		
32.	4SO18CS066	Krithika P	Ms Supriya Salian	An AI based solution for early detection of valvular heart and respiratory diseases
	4SO18CS075	Melina Roshali Monteiro		
	4SO18CS106	Shetty Lakshmi Jaysheel		
	4SO18CS122	Vanessa sharon		
33.	4SO17CS110	Tellis Rencli Lawrence	Mr Ramamoorthy H	Image Captioning Based on Deep Neural Networks
	4SO18CS089	Prashant Sinha		
	4SO18CS095	Reevan D'Souza		
34.	4SO18CS055	Jevita Maria Saldanha	Ms Smitha V George	Automated Online Examination Proctoring using AI
	4SO18CS076	Melisha Benny		
	4SO18CS080	Neha K M		
	4SO18CS084	Nishma A Nair		
35.	4SO18CS038	Diya R Sanghvi	Dr Kavitha Mahesh	Task-adaptive pre-training of multilingual models for Indian languages
	4SO18CS068	Lauren Maria Fernandes		
	4SO18CS079	Naxatra		
	4SO18CS111	Siona Crissel Dsouza		

Internship carried out by students in the following Companies during academic year 2021-22

Sl. No	Company Name	Company sector
1	Arc SJEC	IOT, Robotics, Python
2	Ardelis Technologies	Web Development
3	Automation and Robotics Club - SJEC	Robot Operating System
4	Celebrare Technology Pvt Ltd	Web Development
5	Cognitive Solution	Machine Learning using Python
6	Diabsolut	AIML using Python
7	DLithe Consultancy Pvt Ltd	Machine Learning with Python
8	E Z Technologies	Python and Machine Learning
9	Exposys Data Labs	Machine Learning with Python Programming
10	IC Solutions, Bangalore	Data Science
11	iHub IT Solutions	Data Science
12	Kakunje Software	Full Stack Development
13	Lejhro Technology Pvt Ltd	Data Science
14	Remark Skills Education	Full Stack Development
15	SISTMR	Machine Learning
16	UniCourt	Machine Learning
17	Zephyr	Web Development and Machine Learning
18	Dlithe Consultancy Services	Salesforce



Congratulations
Toppers

IV Year CSE



Simonne Letetia Pinto



Sana Praveen



Lauren M Fernandes

III Year CSE



Sharan Kumar



Divya Pai



Sanjana Rawat

II Year CSE



Jessica James Fernandes



Sharanya S Shetty



Shrilakshmi P Shetty

PLACEMENTS

Campus Placement Details for the Year 2021-2022:

SL. NO	NAME	COMPANY PLACED
1.	Nisha	Cognitive Cloud
2.	Athrika	Cognitive Cloud Vrize
3.	Jevita Maria Saldanha	Cognitive Cloud
4.	Ankitha Rai K	Cognitive Cloud
5.	Anusha J Shetty	Cognitive Cloud
6.	Chaithra	Cognitive Cloud
7.	Shetty Lakshmi Jaysheel	Cognitive Cloud
8.	Pranith Rao	Cognitive Cloud, Winwire Technologies Zensar
9.	Karthika Dn	Cognitive Cloud
10.	Dhanushree S	Cognizant
11.	Joel Aloysius Dsouza	Cognizant
12.	Joshal Shiny Pinto	Cognizant
13.	Melina Roshali Monteiro	Cognizant
14.	Nireekshith	Cognizant Winwire Technologies
15.	Revisha Shareen Vas	Cognizant
16.	Shaun Stephen Dsouza	Cognizant
17.	Nishma A Nair	Cognizant
18.	Welroy Gonsalves	Cognizant

19.	Novin Misquith	Cohesity
20.	Yogeshwari S J	Evobi
21.	Cleyon Dennis Dsouza	GainInsights
22.	Disha Tantry	GainInsights
23.	K Nisha	GainInsights
24.	Swathi Prabhu K	GainInsights
25.	Deekshit Lawrence D Souza	Global E-Softsys
26.	Tanusha Attavar	Global E-Softsys
27.	Gautham Sp	Global E-Softsys
28.	Vandana Ann Goveas	Global E-Softsys
29.	Laureen Maria Fernandes	HashedIn
30.	Rhea Benedicta D'Souza	Harman Connected Services Winwire Technologies Wipro TalentNext
31.	Srishti Bhandarkar	HashedIn
32.	Lincia Grishma Dsouza	Hexaware Technologies
33.	Shanwill Pinto	Hexaware Technologies
34.	Shetty Lakshmi Jaysheel	Hexaware Technologies
35.	Sudhiksha S Prabhu	Hexaware Technologies
36.	Swathi Prabhu K	Hexaware Technologies
37.	Rahul Rajesh Rao	Hexaware Technologies
38.	Chaithra	IBM
39.	Joel Aloysius Dsouza	Impelsys

40.	Shaun Stephen Dsouza	Impelsys
41.	Keith Sohan Monteiro	Impelsys
42.	Denson Flaid Dsouza	Infosys
43.	Gautham Sp	Infosys
44.	Linet Prajna Aranha	Infosys, Wipro TalentNext,
45.	Maithri	Infosys
46.	Melina Roshali Monteiro	Infosys
47.	Melisha Benny	Infosys
48.	Nireekshith	Infosys
49.	Sudhiksha S Prabhu	Infosys
50.	Swathi Prabhu K	Infosys
51.	Tanusha Attavar	Infosys
52.	Vaibhav K Suvarna	Infosys
53.	Rupali Shrikant Naik	Infosys
54.	Anisha Dsouza	LTI
55.	Anoosh Dsouza	Mangalore Infotech
56.	Nireekshith	Mangalore Infotech
57.	Simonne Letetia Pinto	Mangalore Infotech
58.	Vignesh	Niveus Solutions
59.	Ajith M D	Niveus Solutions
60.	Ankitha	Niveus Solutions
61.	Fathima Suha	Niveus Solutions
62.	H Harikrishna Pai	Niveus Solutions

63.	Jennifer Serrao	Novigo Solutions
64.	Naxatra	Novigo Solutions
65.	Raksharaj S Shetty	Novigo Solutions
66.	H Harshitha Nayak	Palle Technologies
67.	Prashant Sinha	Palle Technologies
68.	Shifali.B.S	Palle Technologies Maverix Harman Kardon Harman Connected Services
69.	Siona Crissel D Souza	Palle Technologies
70.	Akshata Vinayak Patil	Persistent
71.	Dhanyashree	Persistent
72.	Joel Aloysius Dsouza	Persistent
73.	Shravya A	Persistent SYX Services
74.	Ankitha	Robosoft Technologies
75.	Ankitha Rai K	Robosoft Technologies
76.	Jevita Maria Saldanha	Robosoft Technologies
77.	Novin Misquith	Robosoft Technologies
78.	Sana Parveen	Robosoft Technologies
79.	Sujani K M	Robosoft Technologies
80.	Sriganesh	SAP
81.	Karthika Dn	Sasken Technology
82.	Sana Parveen	She Codes(Accolite Digital)
83.	Aaron Marian Lobo	TCS

84	Akanksha	TCS
85	Ankitha Rai K	TCS
86	Anoosh Dsouza	TCS
87	Dhanya G	TCS
88	Gautham Sp	TCS
89	Joshal Shiny Pinto	TCS
90	Siona Misha Nazareth	TCS
91	Tanusha Attavar	TCS
92	Vandana Ann Goveas	TCS
93	Wenzel Audrin Barboza	TCS
94	Anusha J Shetty	TCS
95	Linet Prajna Aranha	TCS
96	Supritha G	TCS
97	Alston Bernard Roche	VMware
98	Anusha A T	VMware
99	Dhanya K	VMware
100	Neha K M	VMware
101	Prathvi N B	VMware
102	Karthika Dn	Vrize
103	Krithika.P	Winwire Technologies
104	Vandana Ann Goveas	Wipro
105	Denson Flaid Dsouza	Wipro TalentNext
106	Dhanya G	Wipro TalentNext
107	Dsouza Rhea Ancita Richard	Wipro TalentNext
108	Lincia Grishma Dsouza	Wipro TalentNext

109	Akanksha	Wipro TalentNext
110	Mohammad Rumaiz	Zensar
111	Revisha Shareen Vas	Zensar
112	Vaibhav K Suvarna	Zensar
113	Vignesh	Zensar
114	Shifali.B.S	Harman Kardon,Techmahindra
115	Vanessa Sharon Soans	Techmahindra
116	Ajith M D	Harman Kardon
117	Prashant Sinha	Harman Kardon
118	Sujani K M	Harman Kardon
119	Vignesh	Mangalore Infotech,Clarivate Analyics
120	Shibani G	Maverix
121	H Harshitha Nayak	Maverix
122	Prashant Sinha	Maverix
123	Nisha	SYX Services
124	Anthony Joyston Walter Lasrado	SYX Services
125	Yogeshwari S J	Sonata Software
126	Deekshit Lawrence D Souza	Sonata Software
127	Dsouza Anvith Antony	Sonata Software
128	Arpita D	Sonata Software
129	Sujani K M	BNP Paribas
130	Harshithkumar H D	Telenetix
131	Shriraksha	ITC Infotech
132	Manjunatha Shenoy R	Grifeo
133	Welroy Gonsalves	Invenger Technologies
134	Jevita Maria Saldanha	o9 Solutions,Samsung
135	Jay Santosh Ankolekar	Intellipaat

136	Kartikey Gupta	Intellipaat
137	Laureen Maria Fernandes	Samsung
138	Mohammad Rumaiz	Qualitest
139	Sushma M S	Rinex Technologies
140	Sumant Surendra Ulvekar	CSR
141	Rahul Rajesh Rao	Winwire Technologies,TCS,
142	Siona Misha Nazareth	Wipro TalentNext,Winwire Technologies,
143	Evanka D'Souza	SYX Services,TCS,

Message From Alumna



I had a splendid experience as a student at the Department of Computer Science and Engineering at SJEC. The journey here has been unforgettable. The college claims to promote Service and Excellence and they mean it in a true sense. The institution has helped me develop a positive attitude towards life and discover more about myself.

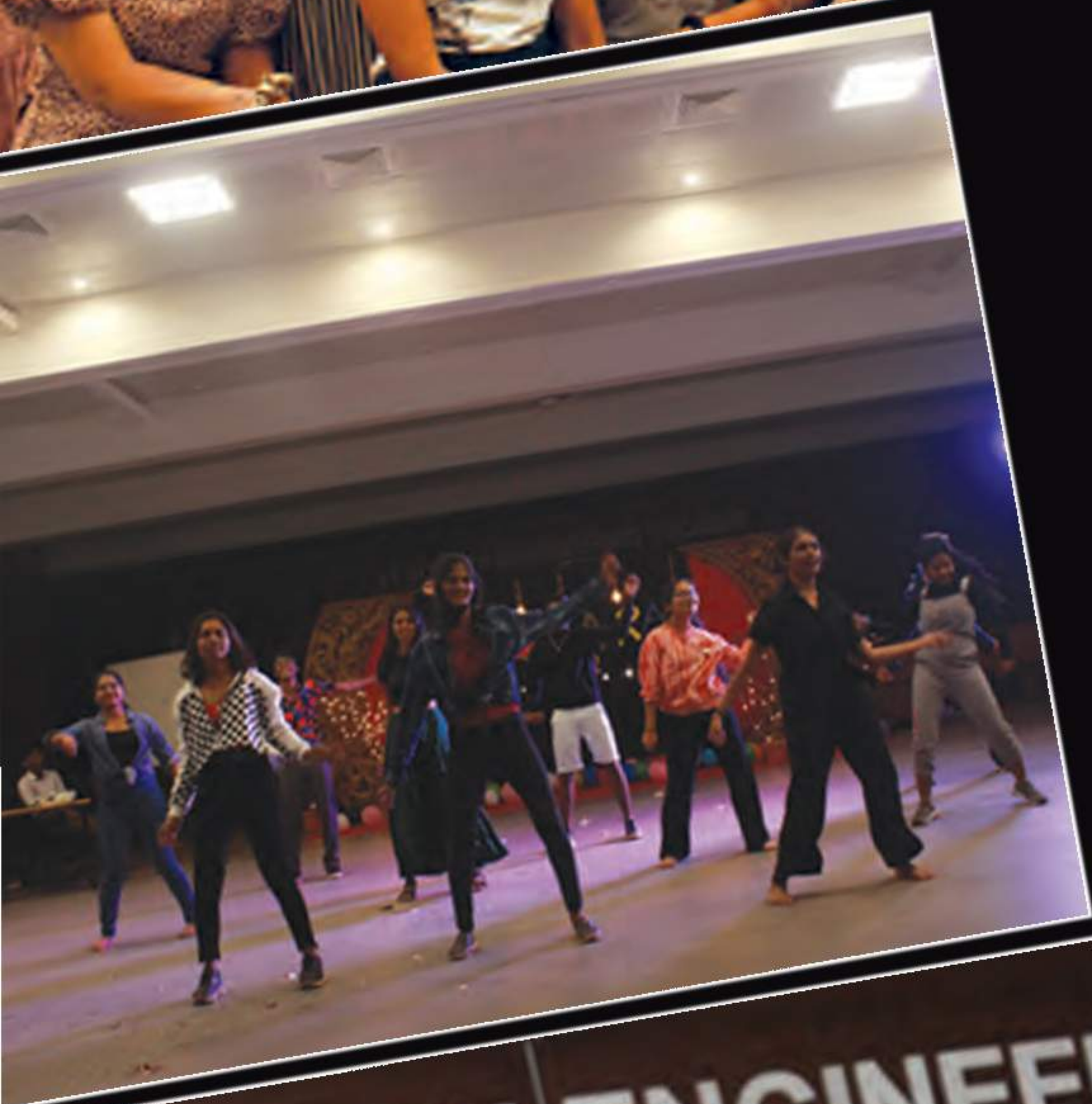
All our faculties are extremely knowledgeable, and they are always eager to help us in our times of need. I remember myself as an 18-year-old teenager who opened a door of limitless opportunities for myself by joining this prestigious institution. I had a complete makeover in my personality over the four years I spent in SJEC, be it learning, professionalism, developing work ethics, inculcating soft skills, forming some good bond for lifetime, and gaining a lot of technical knowledge.

Students here get exposure to various recent technologies through lab activities and great learning for life through ample of extra-curricular activities. Various soft skill trainings such as V Act and I point classes are conducted, right from the first year of the journey which plays a vital role during campus placements. From a timid teenager to a confident professional who can stand tall in this cutthroat competitive world, my alma mater SJEC has truly transformed me.

Panchami Dilip Nayak
Class of 2021



SIGNOUT-2022



The department of Computer Science and Engineering organized a department farewell Signout 2022 for the outgoing students of 2022 on 26 June 2022 at kalam Auditorium from 1:50PM - 4:50 PM under the guidance of Ms Shravya Shetty, Assistant Professor. The Gathering was welcomed by Mr. Chirag and Ms. Adeline from 3rd year. Dr Sridevi Saralaya , HOD - CSE Department wished the outgoing students well for their future and raised the Toast.

The informal function began with a video that revisited the glimpses of memories they made in the last 4 years. The mementoes were distributed to the outgoing students from the Department of Computer Science. Various games were conducted for the outgoing students. The students of 3rd and 4th year entertained the audience with various dance and song performances. Meanwhile refreshments were served.



BLOOD SACRIFICE

What in those curious eyes
Inquisitive wisp on your forehead fall
To see his beloved storeys high
And sigh at her sweet talk

What in that silky mane
Strike a pose with a smoulder bold
Yet those eyes seem to talk
For the mind cannot bear it all

What in those dragging feet
Broken heart and a serene smile
But in that moment everything stops
And the heart flutters as she passes by

What in those rosy cheeks
Longing in those eyes that gaze
Yet the dimple in your cheek
Is lost In a moment of mocking haste

And come the snow of snowflake love
Satin in its words galore
Yet all your blush and blunt desire
Fades into the ombre of autumn fall

Those weary leaves that falls down
Into tears of a consoling touch
If only you saw them bloodshot eyes
That's been out in the rain too much

Because in this storm of deafening pain
Head splits twice, night and day
And to take refuge in solitude
You must smile the pain away

Yet you walk with head held high
When they divide us saffron black
For all the river of red that is made
Take me as blood sacrifice

With solemn steps, head held down
And the hardened heart in misery
I'll laugh away my tears dry
While you blush at our memories

- Aleema P K -6th Sem AV

HARD WORK LEADS TO SUCCESS

We were born a winner of a marathon of life among 250 million competitors which lead our very existence. Once upon a time, we all were fierce warriors fighting the most gruesome battle of them all, and we were a survivor. We have all forgotten that our existence is proof of a great victory. The only barriers in life are the walls that you have trapped yourself in forgetting what you have achieved . If we are determined and willing to work hard, we can achieve so many great things so we shouldn't doubt ourselves. Life itself is a journey with barriers, but overcoming these will take you a step closer to achieving your goal.

Yes, there will be disappointments and failures on the road to success, but after every storm, there is a rainbow. We can learn from our past mistakes and attempt to do better.

No path started off as a path. Someone must walk on it for it to become a path. You must pound and break the hard land and pierce through it for the water to come out. We must do the best we can from our side, give all that we have got to see the result we are willing to see. What truly matters is how many times we have gotten up after falling down, because with that determination and strength we can reach great heights.

If you are still doing things that make you unhappy, it's time to change and start living because you being born is an absolute blessing and it's time we take advantage of the time we have left on this earth. If it's positivity and happiness that you wish to spread into the world, it's in your hands, and it's never too late to live the life that you always wanted to live. Perseverance, determination, and hard work should be worn as armor because every day is a battle-ready to be won.

Success isn't always about greatness. It's about consistency. Consistent hard work leads to success. Greatness will come.

- Dwayne Johnson,
actor

- Jessica Naomi D Souza
CSE, 6th Sem, A



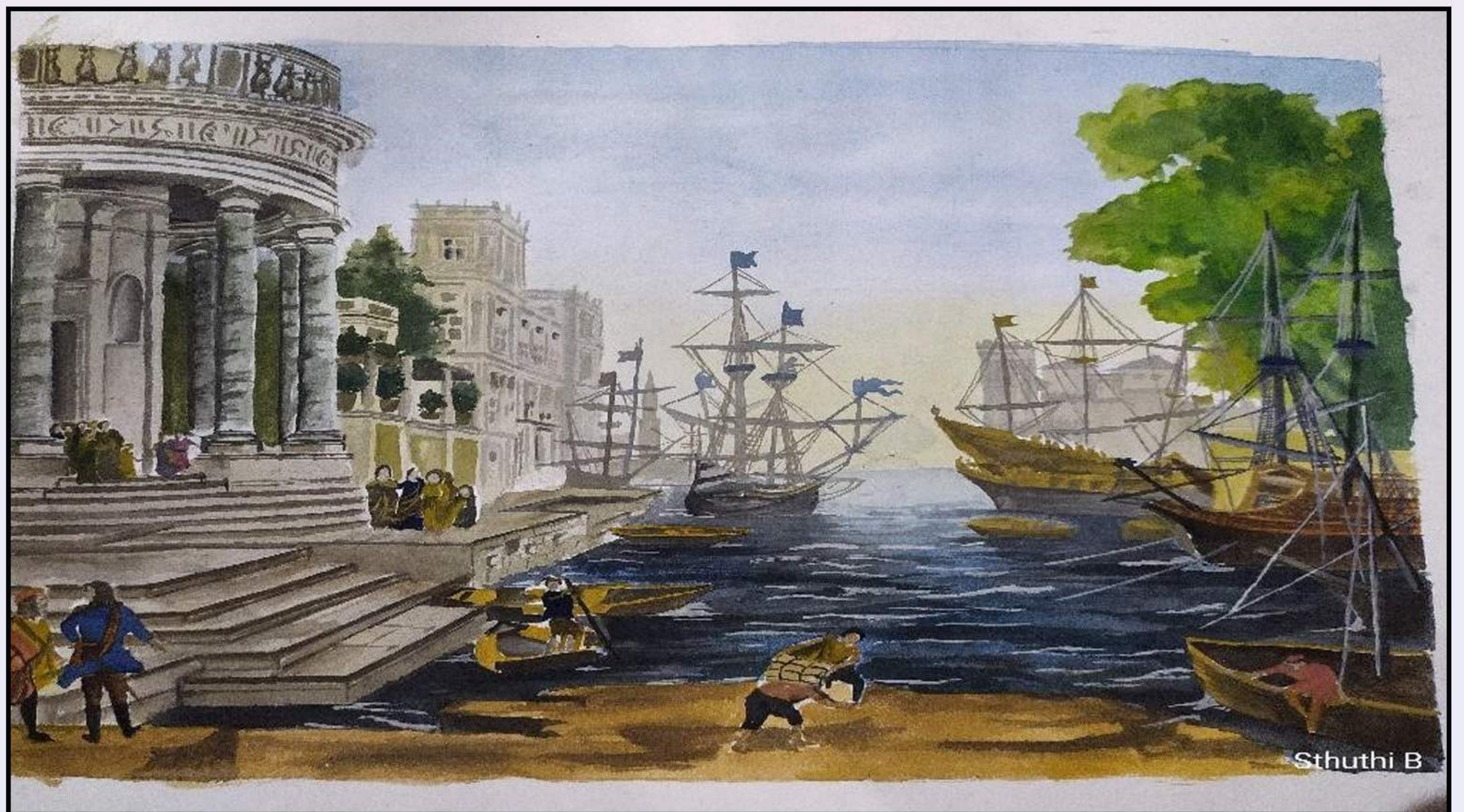
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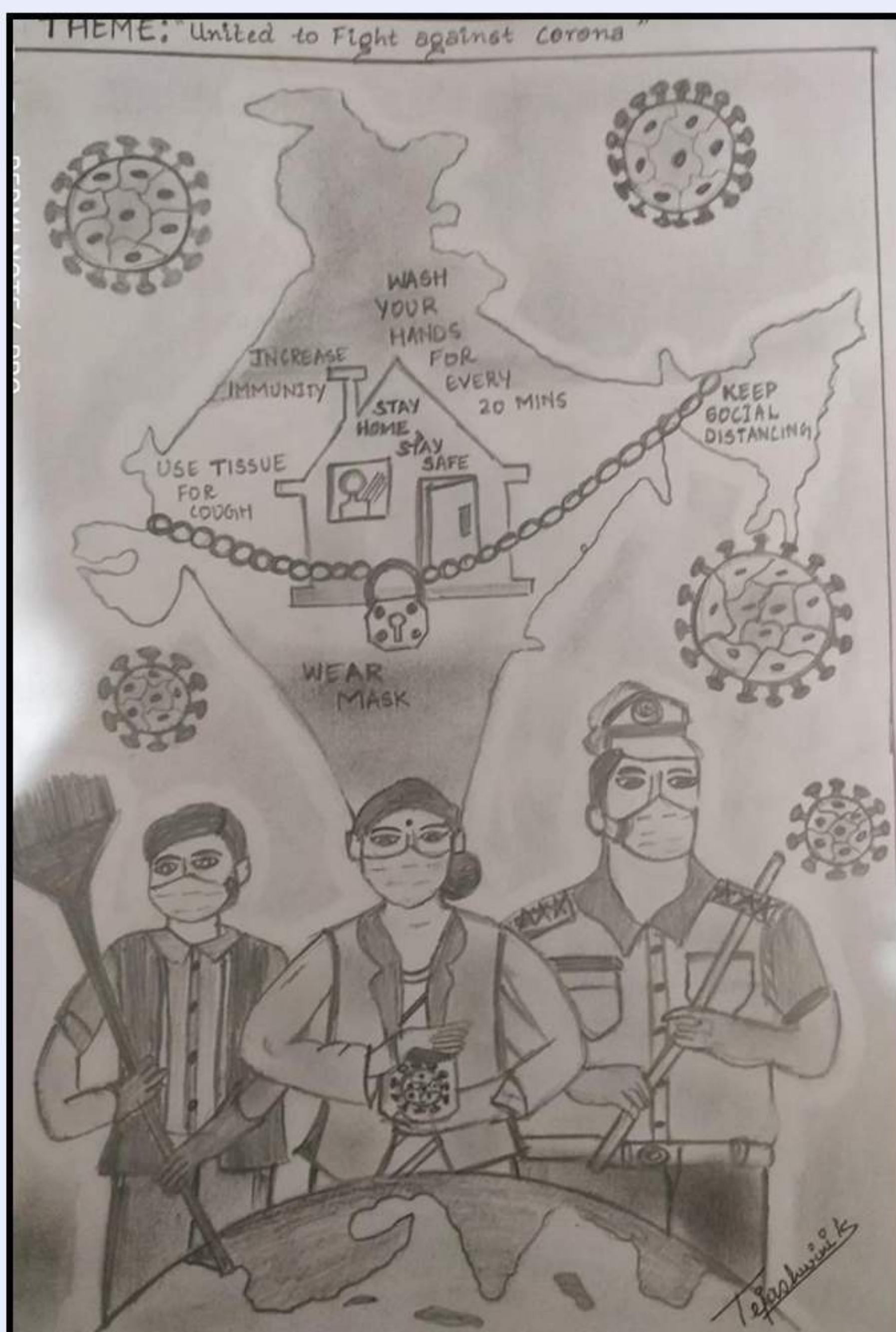
Art By: Tejashwini K Jogi – 6th Sem C



Art By: Jayalakshmi H.A – 6th Sem A



Art By: Sthuthi B – 6th Sem C



Art By: Tejashwini K Jogi – 6th Sem C



Art By: Sthuthi B – 6th Sem C



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