

ABHIYAANA

2023



**INNOVATION
UNLEASHED**
Transforming Climate
Challenges into Solutions



ST JOSEPH ENGINEERING COLLEGE

AN AUTONOMOUS INSTITUTION

VAMANJOOR, MANGALURU - 575 028

MOTTO

Service & Excellence

VISION

To be a global premier Institution of professional education and research.

MISSION

Provide opportunities to deserving students of all communities, the Christian students in particular for quality professional education.

Design and deliver curricula to meet the national and global changing needs through student-centric learning methodologies.

Attract, nurture and retain the best faculty and technical manpower.

Consolidate the state-of-art infrastructure and equipment for teaching and research activities.

Promote all round personality development of the students through interaction with alumni, academia and industry.

Strengthen the Educational Social Responsibilities (ESR) of the Institution.





ST JOSEPH
Our Patron



Message from the **PRESIDENT**

With utmost delight and warmth, I extend my greetings to Abhiyana 2023, the cherished annual college magazine of St. Joseph Engineering College, Vamanjoor, Mangaluru. As we mark another year of our collective pursuit of excellence in Engineering and Management education, my heart is filled with hope for boundless success ahead. I hold immense gratitude for the Director, Principal, the dedicated Staff, and the vibrant student community whose unwavering commitment and tireless dedication continue to elevate our institution to greatness.

In the 21st century, cyber crimes have evolved with technology, presenting new challenges. These challenges, fuelled by advancements, often stem from technological vulnerabilities, human error, or malicious intent. From phishing scams to data breaches and ransomware attacks, the causes vary from exploiting weak security systems to targeting unsuspecting individuals.

Addressing these issues requires a multi-faceted approach. First, education is critical. Information about online risks and teaching safe practices can prevent many cyber crimes. Strengthening cybersecurity measures across industries is crucial, ensuring robust systems and frequent updates to fend off attacks. Collaboration between governments, tech companies, law enforcement and educational institutions is vital to creating and enforcing cyber laws and regulations that deter cybercriminals.

As a technical institution, we should encourage our students and staff to focus on cutting-edge technologies like AI and Blockchain, which can bolster defences against evolving cyber threats. A combination of awareness, updated security measures, technological advancements, and collaborative efforts among various stakeholders will pave the way towards a robust cybersecurity system.

"Even though I walk through the darkest valley, I will fear no evil, for you are with me; your rod and your staff, they comfort me." Psalm 23:4

I request students and staff to embrace cyber awareness as a vital skill in your engineering toolkit. Prioritize safeguarding your digital endeavours just as you would with your prized achievements.

Once again, I extend my heartfelt congratulations to all the incredible teaching and non-teaching staff and every individual associated with the College for the remarkable progress achieved over the years. Let us strive to elevate SJEC to even greater heights through our dedicated service and pursuit of excellence.

May St Joseph our Patron continue to intercede for us.

Rev. Dr Peter Paul Saldanha
Bishop of Mangalore



Message from the **DIRECTOR**

In the symphony of progress, St Joseph Engineering College echoes a commitment to innovation that extends beyond the realms of technology – it encompasses a responsibility to address the pressing global challenge of climate change.

Climate change is not a distant concern; it's an imminent reality demanding our ingenuity. Our academic environment must be a crucible where sustainable ideas thrive. By integrating climate-conscious modules into our curriculum, we empower our students to design solutions that mitigate environmental impact.

Research is the compass guiding us through this uncharted territory. Our faculty and students must collaboratively delve into projects that unravel the intricacies of climate change. From renewable energy breakthroughs to resilient urban planning, our research endeavors must be a beacon illuminating the path toward a greener future.

Industry partnerships fortify our commitment. By aligning with companies at the forefront of sustainable practices, our Engineering College becomes a nexus for practical solutions. Through internships, projects, and collaborative initiatives, we bridge academia and industry, ensuring our graduates are equipped to tackle real-world challenges.

Yet, the true catalyst for change lies in the ethos of our community. Each student, faculty, and staff member contributes to our collective carbon footprint. Embracing a culture of conservation, energy efficiency, and waste reduction is not just a choice; it's our duty.

In this era of climate uncertainty, our Engineering College stands poised to redefine what it means to engineer a future. Let sustainability be the cornerstone of our legacy, and may our endeavors echo in the halls of progress for generations to come.

My congratulations to the Editorial Board of Abhiyaana 2023 for their dedicated work in bringing out this magazine.

All the best and God Bless!

Rev. Fr Wilfred Prakash D'Souza
Director



Message from the **ASST DIRECTOR**

As the famous saying goes “Team work, makes the dream work”, St Joseph Engineering College, Mangalore has come a long way and accomplished a number of milestones since 2002 and today it is one of the prestigious institutions in Engineering education. Nevertheless it has a long way to move forward, has many more dreams to fulfill, number of responsibilities to carry out and greater heights to reach.

To succeed in life and reach greater heights, it is not enough to do ordinary things but to do extraordinary things with greater zeal and passion. It is not just the efficiency in climbing the ladder of success that is important but it is more important to know whether the ladder is leaning against the right wall. I am very sure teamwork of the Management, staff and students at SJEC will take this institution to greater heights.

After serving in this prestigious institution for four precious years and now moving out, I have mixed feelings in my heart. Investing myself in this institution has given me a great deal of personal experience and I am extremely grateful for that opportunity. The vibrant campus of SJEC will also always be a part of me and I will miss it.

During my tenure in this campus I received a lot of care and concern from the Management, the Staff and students. It has been a pleasure working with you and I really appreciate everything you've done for me. SJEC will always hold a special place in my heart, and I owe a lot to St Joseph, our patron. To the SJEC family and the editorial team, I would like to wish all the very best for Abhiyana 2022-23. May St Joseph intercede for us all, and God bless you all.

Rev. Fr Alwyn Richard D'Souza
Assistant Director



Message from the **ASST DIRECTOR**

Dear Readers / Students,

I am glad to write for Abhiyaana 2023 as a Proud Alumnus and as the Assistant Director of St Joseph Engineering College. It is good to be back here on a rejuvenated campus as an administrator, to give back to my Alma Mater.

The world of engineering and technology has grown at an unprecedented pace over the last couple of years. Emerging trends and new-age technologies are responsible for this rapid evolution. Engineering students are at the forefront of learning these emerging technologies.

However, this task is easier said than done. Various branches of engineering have to work in unison. The technology used today becomes obsolete tomorrow. There is a fear that Artificial Intelligence (AI), Quantum Computing, Internet of Things (IoT), among others, may replace human beings in workplaces. Recently, a TV channel in Odisha has already experimented with Lisa, a multilingual AI news anchor. While there are fears, there are also opportunities.

For example, AI can help engineers code, design, and execute faster. 3D printing can quickly and cheaply create prototypes and parts. Cloud computing can reduce one's investment in supercomputers. The question is, are we up for the challenge to compete with machines?

The new era of engineering is exciting and full of potential for students who are ready to think outside the box and learn emerging technologies. Engineering students are uniquely positioned to take advantage of the opportunities at hand. However, it requires one to go the extra mile. I vaguely remember one of my professors from back then saying that we only learn about 30-40% in college, and the rest is up to each individual to learn. There is no shortage of learning opportunities today, especially in the post-COVID era. There are plenty of freely available resources. The question is -How do we make the most of them?

"The illiterate of the 21st century will not be those who cannot read and write, but those who cannot learn, unlearn, and relearn." -Alvin Toffler

Rev. Fr Kenneth Rayner Crasta
Assistant Director



Message from the **PRINCIPAL**

Excellence in education is when we do everything we can to make sure they become everything they can.” –**Carol Ann Tomlinson**

I am delighted to extend my warmest congratulations to the entire Josephite family on the successful release of our much-anticipated Abhiyaana – the annual magazine. This vibrant and insightful publication is a true reflection of the outstanding talent and dedication that permeate every aspect of our college community.

First and foremost, I want to express my heartfelt appreciation to our incredible students. Their achievements in various activities, both academic and extracurricular, have not only enriched our college experience but have also added layers of vibrancy to our collective identity. Their hard work, creativity, and commitment to excellence shine through the pages of the magazine, showcasing the diverse talents that make our college community truly exceptional.

I would also like to commend our esteemed faculty and staff for their unwavering support and guidance. Their commitment to nurturing the holistic development of our students has played a pivotal role in their achievements. Their dedication to fostering a positive and conducive learning environment has not gone unnoticed, and we are grateful for the impact they continue to have on the lives of our students.

A special round of applause goes to the talented members of the editorial team who have worked tirelessly to bring this magazine to life. Their creativity, attention to detail, and countless hours of hard work are evident in every carefully curated page. The magazine is not just a compilation of events; it is a testament to their passion for storytelling and their commitment to preserving the memories that make our college experience unique.

As we flip through the pages of Abhiyaana, let us celebrate the milestones, cherish the memories, and take pride in the collective achievements of our Josephite family. May this publication serve as a source of inspiration for future generations and a reminder of the incredible community we are fortunate to be a part of.

Once again, congratulations to everyone involved in the making of this extraordinary annual magazine. Your contributions have undoubtedly enriched our college legacy.

Dr Rio D'Souza
Principal



Message from the **VICE PRINCIPAL**

As we embark on another exciting journey through the realms of academia and exploration, it brings me immense pleasure to extend my heartfelt greetings to each member of our vibrant SJEC community. With every passing year, our institute continues to flourish, driven by the unwavering commitment of our faculty, the relentless pursuit of excellence by our students, and the steadfast support of our management.

In this edition of our esteemed college magazine, we take great pride in showcasing the remarkable achievements and endeavors that define the essence of our institution. From excellent research initiatives spearheaded by our esteemed faculty members to stellar performances in the sporting arena, from the bustling activities of our various technical clubs to the exceptional academic accomplishments of our students, the magazine serves as a testament to the spirit of innovation, dedication, and collaboration that permeates every aspect of our college life.

One of the hallmarks of our institution is our unwavering dedication to nurturing a culture of academic excellence and fostering a conducive environment for holistic development. Through innovative projects, student-led initiatives, and hands-on learning experiences, we endeavor to equip our students with the knowledge, skills, and mindset necessary to thrive in an ever-evolving world.

Moreover, I am proud to acknowledge the steadfast commitment of our management towards continually enhancing our facilities and infrastructure. Their unwavering support and vision have played a pivotal role in creating an environment that nurtures creativity, fosters innovation, and encourages exploration.

As we celebrate the myriad achievements and milestones of our college, let us also take a moment to express our gratitude to all those who have contributed to our success – our dedicated faculty, our talented students, our supportive staff, and our visionary management.

I extend my warmest wishes to each member of the SJEC community as we continue to strive toward excellence, embrace innovation, and chart new horizons together.

Dr Purushothama Chippar
Vice Principal

Editorial



Dear Esteemed Readers,

As you navigate through the unfolding chapters of Abhiyaana 2023, we extend a warm invitation to immerse yourself in a literary journey that honors the diverse blend of voices resonating within our dynamic community. This edition transcends the boundaries of being a mere compilation of words on paper; rather, it stands as a testament to the myriad experiences, thoughts, and passions that carve our individual identities and bind us together as a unified collective.

In a world where diversity is the heartbeat of progress, Abhiyaana 2023 serves as a reflection of the kaleidoscope of perspectives that thrive within these walls. Through these pages, you will discover a showcase of the collaborative spirit that propels our students and faculty towards excellence. It is a celebration of the harmonious blend of technical acumen and strategic vision that characterizes our dynamic community.

Let these pages be a source of inspiration, a catalyst for dialogue, and a sanctuary for the restless minds seeking solace in the beauty of words. As you flip through the magazine, immerse yourself in the stories that unfold, the ideas that challenge, and the art that captivates.

To our talented contributors, thank you for sharing your insights, passions, and creativity. To our dedicated editorial team, your tireless efforts have given life to this literary tapestry. To our readers, may this magazine be a source of enlightenment, a catalyst for curiosity, and a reminder of the incredible diversity that surrounds us.

Happy Reading.

CONTENTS

14	<u>Training, Placement & Collaboration</u>
18	<u>Computer Science & Engineering</u>
26	<u>Intelligent Computing & Business Systems</u>
32	<u>Electronics & Communication Engineering</u>
43	<u>Electrical & Electronics Engineering</u>
51	<u>Mechanical Engineering</u>
57	<u>Civil Engineering</u>
62	<u>Physics</u>
66	<u>Chemistry</u>
69	<u>Mathematics</u>
73	<u>Business Administration</u>
79	<u>Computer Applications</u>
83	<u>Physical Education</u>
95	<u>Central Library</u>
99	<u>SJEC Extravaganza</u>
111	<u>SJEC Rhythms</u>
129	<u>SJEC Thinkpieces</u>
134	<u>SJEC Graduands - 2023</u>



TRAINING, PLACEMENT AND COLLABORATION

Academic Year 2022-23 has been special in the history of the college which has seen a record-breaking tally of 1200+ offers till the end of June 2023. While it is true that the demands of the industry have increased a great deal, the rise in placements is greatly attributed to the career-driven and skill-oriented training programs rendered to our students.

As always, this year has been no different and SJEC has aimed to match the requirements of the corporate world by creating a bridge between academia and industry. At SJEC, we believe that the experiences of corporate leaders provide invaluable learning to the student community. Our students have greatly benefited through frequent interactions with industry experts as well as the alumni network throughout the year that provided a forum for the exchange of intellectually stimulating ideas.

This year brought a huge impact, especially for the graduating students from engineering and management studies in terms of skills and employability. Despite challenging conditions, SJEC had 175+ companies visiting the campus albeit virtually. The quality and quantity of companies hiring from our campus have changed a great deal and the placements going virtual, have opened avenues to companies that would think twice before visiting the coastal belt of Karnataka.

The recruitment process for the 2023 batch is still ongoing and is expected to reach greater heights in the next couple of months. We continue to train our students and facilitate their campus-to-corporate journey. We are proud of our students who are placed in esteemed organizations thereby turning out to be our flagbearers in companies having presence across the globe.

Simply put, SJEC is where talent meets opportunity!

Mr Sathyendra Bhat J
Head-Training & Placement and Placement Officer



EVENTS CONDUCTED



J V Global LLP Services conducted **Aptitude Training** for 2nd and 4th Semester BE students in July 2022.

CoCubes Mock Test conducted for 7th Semester BE (CS, ME & CV) and 2nd Semester MCA on 24th September 2022.

Almasons Consulting Conducted Hackathon on 8th November 2022.

Train the Trainers workshop for facilitators of Industry Oriented Training has been organized on the 15th and 16th of November 2022.



Session on Resume writing was held on 4th of November 2022 for the 5th-semester students and 22nd of November 2022 for 8th-semester students of EEE dept.

30 days coding challenge organized from December 18th to 17th January 2023. 60+ students participated.

SJEC's Premiere Hackathon was conducted on 25th January 2023. 150+ students participated.



Talk on **"Let's Game"** for CSE 3rd Semester and MCA 1st semester Students on 20th February 2023



"HackToFuture" a 24-hour Hackathon in partnership with EGDK India Pvt. Ltd. Conducted on 25th and 26th April 2023. The event witnessed diverse participants from over 90 institutions and universities.



I-skew Aptitude Training Phase-I and II were conducted for the MBA students in the month of April and July.



Training and Placement department organized a Mock Interview conducted on 10th January 2023 for the final year students of MBA as a part of employability enhancement training.

INDUSTRY INTERACTION

Unicourt Workshop series was conducted on the following themes

- Understanding analytics and the role of ML using Micro Services
- Building a scalable modern web application using Micro Services
- Web Application and Analytics



The technical team of UniCourt in action

“HackToFuture”

A 24-hour Hackathon in partnership with EGDK India Pvt. Ltd.

The Leadership team from EG Mr. Mikkel Bardram (The CEO), Mr. Allan Bech (The CTO), Ms. Tina Bodin (Head of HR), and Mr. Søren Tranberg Hansen (The Consul General, of the Science and Innovation Government of Denmark) interacted with the participants.



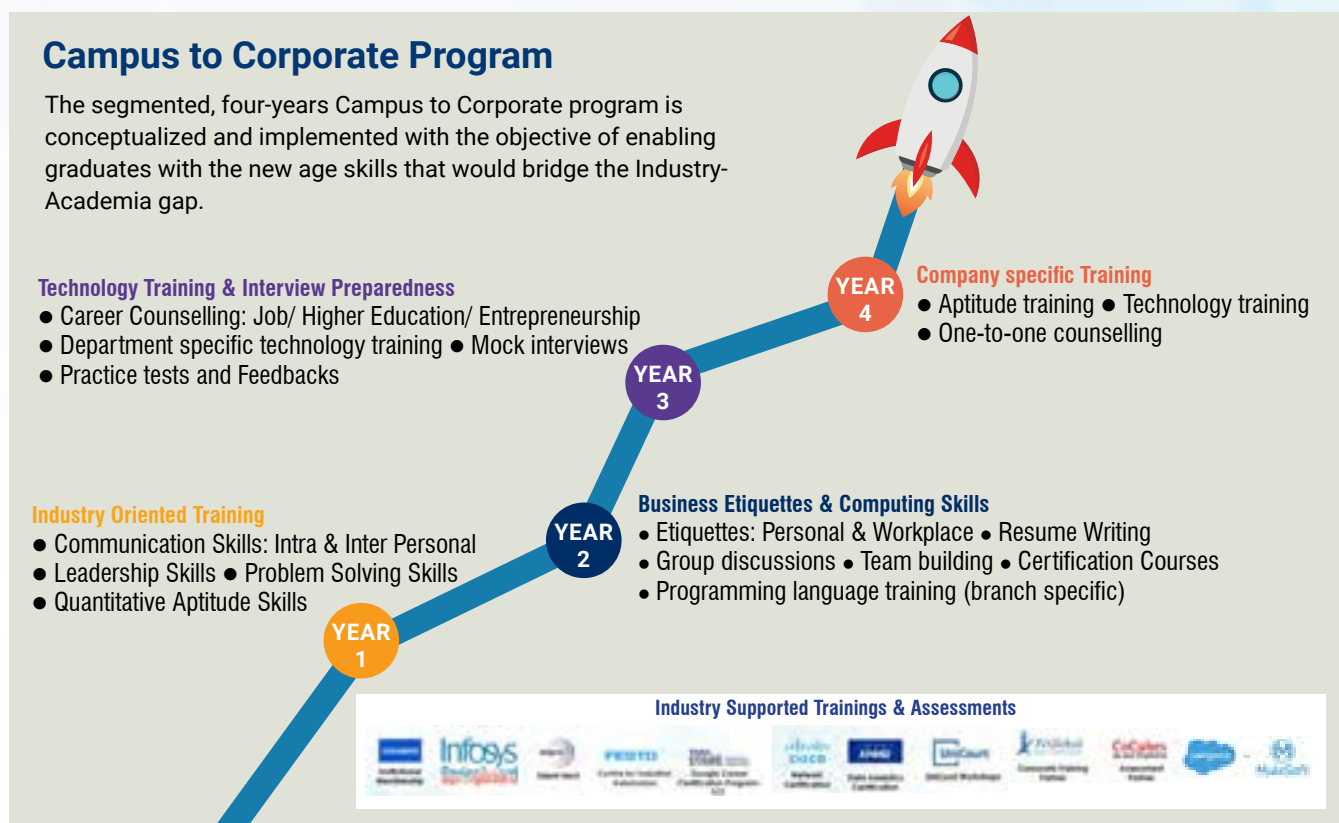
BEST PRACTICE

Campus to Corporate Program

Shaping leaders of tomorrow

With changing workplace dynamics and transformations at a faster pace, the need to thrive to match the trends cannot be undermined. Young graduates have to be equipped with skills that make them relevant in the business world. It would open an alleyway of opportunities to shape their career. Adapting quickly, acquiring the skill sets, and reinventing themselves would be a game changer, making them employable and a clan ready for the future. With an intent to shape leaders of tomorrow, the Training & Placement Cell at SJEC works towards imbuing graduates with the right mixture of Knowledge, Skill, and Attitude through the Campus to Corporate Program. The CTC Program trains students to develop problem-solving skills, inculcate business etiquette, and provides career counseling, aptitude, and company-specific training in addition to honing the technical prowess, to shape successful careers.

Audited courses on Problem-Solving Skills and Business Etiquette were rolled out for the first and second-year students of the autonomous batch as part of the Campus to Corporate Program in the academic year 2022-23



CAMPUS PLACEMENT - CORE / SERVICE COMPANIES



OFFICE OF COLLABORATION



The Office of Collaborations in association with IDP Mangaluru and Planet Education Karnataka organized a **talk on Higher Education Abroad** on 20 October 2022 for the final year Engineering, MBA, MCA students. The Talk was delivered by Mr Ajay Chandran, Branch Manager, IDP Mangaluru and Ms Priya K, Branch Manager, Planet Education Karnataka.

To make recommendations for writing the statement of purpose Final-year engineering, MBA, and MCA students were invited to a **discussion hosted** by the Office of Collaboration on 12 November 2022. Ms Priyamvada Agarwal, Test-IELTS Preparation Trainer, IDP, Kolkata, led this session.



The Office of Collaborations organized a **half-day One-to-One Counselling and Guidance** programme for final-year students pursuing higher education abroad in collaboration with Planet Education Karnataka, Udupi, on 15 November 2022.



The Office of Collaborations hosted a **talk on the benefits of learning foreign languages like German, French, and Korean**. In a globalised world, learning a foreign language improves career and personal development opportunities. The talk was scheduled for December 10, 2022 for interested pre-final year and final year students. The speakers were Mr Govind Belgaumkar, Chief Language Trainer, and Ms Ragini Belgaumkar from Edvio Language Institute in Mangaluru.



The Office of Collaborations organized a **half-day One-to-One Counselling and Guidance programme** for final-year students pursuing higher education abroad in collaboration with IDP Mangaluru and Planet Education Karnataka, Udupi, on 12 and 13 December 2022.



The Office of Collaborations organized a talk on **Higher Education Opportunities in Germany** for

the interested students of Final year Engineering, MBA and MCA students on 14 December 2022. The speaker of the event is Dr GuruTej, CEO, Wisdom ED, Mangaluru.



Ms Rochelle Andriya Noronha, (Alumni of the 2019 CSE batch) Senior Manager in Cyber security partner Australia, spoke to all first-year and final year students on how to prepare for abroad education on December 13, 2022.

The Office of Collaboration conducted talk on Higher Studies in the USA for final year engineering, MBA and MCA students on 19 December 2022. The resource person of the webinar was Mr Sherwin Fernandes (Alumnus of 2012 ECE Batch), Senior Member of Technical Staff in AMD, USA and Founder of SOLASTA US Education Consultants.



SJEC's Office of Collaborations has scheduled a talk on to provide final-year students with the most comprehensive guide to **higher education at public universities in Germany via the DAAD (German Academic Exchange Service)**. on February 2023. The talk was delivered by Ms Suganya Tamalapadi, Redional Officer, DAAD Information Point Bangalore.



SJEC's Office of Collaborations is pleased to inform about the **inaugural of German Language course** in the college premises on April 17, 2023 by signing a MoU with Moegling Institute of German language, Mangaluru.



The Office of Collaborations in Association with Educational Testing Services (ETS) is hosted a **talk on "Everything you need to know about TOEFL and GRE"** for interested third- and fourth-year engineering students on 19 April 2023.



The Office of Collaborations and SJEC Alumni Association organized **alumni talk on the topic "Insight of Higher Studies and Living in Abroad"** on 25 April 2023. The talk was aimed at pre-final and final-year interested students. The talk was led by three young proud alumni, Ms Jeevitha Lora Rodrigues from batch 2016-2020, ECE, Varun Raj Jayaraj from batch 2016-2020, ME, and Mr Sudeep Gonsalves from batch 2016-2020, ECE.

COMPUTER SCIENCE & ENGINEERING



Dr Sridevi Saralaya
Professor & HOD

HOD'S MESSAGE

As we live and grow in this digital information age, Computer Science & IT impacts everything, from scientific research to health care, agriculture, finance, banking, communications, and anything you name it for that matter. Whether you want to work for a big corporation that manages networks and designs softwares or be a scientist or become a tech entrepreneur, a computer science degree will open up a world of possibilities for you.

To be industry ready, graduates have to be equipped with the knowledge and hands-on experience on trending technologies such as IoT, AI, ML, Computer Vision, NLP, data science, blockchain, etc. Our department aims to prepare competent professionals in these fields, and next generation leaders in Research, Technology and Innovation, who can contribute to the Socio-economic development of the country.

The department of CSE at SJEC currently hosts around 500 students enrolled in Bachelor of Engineering degree, The department is also recognized as a centre for MSc and PhD in Computer Science research by VTU, Belagavi.

For overall personality development of students, CSE hosts several student associations - CIPHER, GDSC, SCEPTIX, IEEE & CSI chapter that provide a platform for the students to plan, organize and participate in various events, ESR activities, competitions, peer to peer learning sessions, etc. Our students have also been a part of multi-disciplinary projects through Inter department association such as ARC SJEC and Solar vehicle.

Our faculty take utmost care to help students develop good quality projects. Our students' projects have been funded by KSCST. Our department gives special importance to training students for placements. Our students have been placed in tech giants like Adobe, ITC Infotech Ltd, L&T Infotech, TCS, TCS Codevita, Robosoft Technologies, Capgemini, Cognizant, Mindtree, SAP Labs, VMWare, Wipro, IBM and Amazon.

I congratulate the editorial team in their efforts towards bringing out this masterpiece of SJEC College magazine.

Congratulations

TOPPERS

IV YEAR



Ashwin R Prabhu



Pratheek R



Sharan Kumar



Jessica Naomi D'Souza

III YEAR



Jessica J Fernandes



Serena Peter Rego



Johnson D'Souza

II YEAR



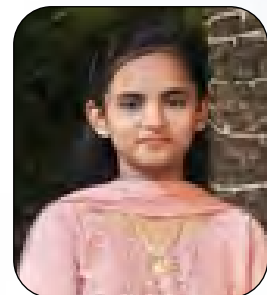
Shanol L D'Souza



Lester S Fernandes



Prathyusha



Shravya Devadiga

ACTIVITIES OF THE DEPARTMENT



Hands-on workshop on Blockchain and Solidity Smart Contracts

Date: 23-24th September 2022

Coordinator: Dr Sridevi Saralaya & Ms Sunitha Guruprasad

Objective: To enhance the knowledge on Blockchain technology

Resource person: Dr Shashidhar R, Blockchain Researcher, Wipro Technologies, Bengaluru.



Technical Talk on “Cryptography Importance and Applications”

Date: 26th September 2022

Coordinator: Ms. Jaishma Kumari B

Objective: To provide insight on Cryptography and its various applications.

Resource Person: Dr Alwyn Roshan Pais, Associate Professor, Computer Science and Engineering Department, NITK, Surathkal.



Workshop on “Intellectual Property Rights”

Date: 24th September 2022

Coordinator: Dr Kavitha Mahesh

Objective: To create awareness on Intellectual Property Rights among the faculty and researchers.

Resource person: Dr. Purushothama Chippar, Vice Principal, SJEC.



Technical Session on “Best Practices for Implementing Major Project Work”

Date: 29th September, 2022

Coordinator: Ms Jaishma Kumari B

Objective: To help students identify and select Research, Industry and Application based projects and to effectively carry out project work.

Resource person: Dr Harivinod, Associate Professor, Department of CSE, SJEC



Technical Session on “GitHub”

Date: 22nd October, 2022 & 3rd February 2023

Coordinator: Ms Prajna M

Objective: Improvising skills in managing code, resolving issues and contributing to open-source projects.

Resource Person: Mr Sharan Kumar, VII semester Student, CSE



Inauguration of CSE Department Associations Cipher, GCDS, Sceptix and CSI SJEC Chapter and Alumni Talk

Date: 22nd November 2022

Coordinator: Ms Prajna M & Ms. Pruthvi M R

Objective: Inauguration of the Department Associations - Cipher, GDSC, Sceptix and CSI- SJEC Chapter by Alumni Ms Rochelle Noronha, Cyber Security & Risk Expert followed by Seminar on Higher studies.



Outreach program by III year students

Date: 03rd December 2022

Coordinator: Ms. Anusha

Objective: Conducted to upbring the several government schemes and moral values of students.

Location : Sampige and Puthige Government Higher Primary School, Moodbidri



Seminar on “Advances in Computer Networking and Security”

Date: 14th January 2023

Coordinator: Dr. Chandra Naik

Objective: To provide insight on Advances in Computer Networking and security, Postman API Tool and its applications.

Resource person: Dr Mohit P. Tahiliani, Assistant Professor, Computer Science and Engineering Department, NITK Surathkal



FDP on “Cyber Security”

Date: 9-11th February 2023

Coordinator: Ms. Sunitha Guruprasad

Objective: Overview of several aspects of Cyber Security

Resource person: Mr Robin D’Souza and his team from Cyber Sapiens, Mangalore



Outreach program by IV year students

Date: 15th February 2023

Coordinator: Ms. Anusha

Objective: Conducted to upbring the several government schemes and moral values of students.

Location : Bala Grama Panchayat

An awareness talk on “Preparation of Novelty Search Report”

Date: 21st February 2023

Coordinator: Dr Chandra Naik

Objective: Overview of several aspects of Novelty Search Report

Resource person: Dr Chandra Naik, Associate Professor, Department of CSE, SJEC

TCS tech bytes preliminary round Quiz

Date: 21st February 2023

Coordinator: Ms Pruthvi M R

Objective: TCS tech bytes preliminary round quiz session was conducted to test the Intellectual skill of students.



Tech competition - Code Jam event

Date: 25th February 2023

Coordinator: Ms. Pruthvi M R

Objective: To Spread awareness on Science and Technology.



Alumni Talk on “Big Data and Cloud “

Date: 1st April 2023

Coordinator: Ms Sunitha Guruprasad

Objective: To enhance the knowledge on the handling large data and Cloud

Resource person: Mr Dheeraj Madi, Technical Delivery Lead, Shell India (Royal Dutch Shell), Bengaluru.



Tech competition - Tech it out

Date: 5th April 2023

Coordinator: Ms Pruthvi M R

Objective: To test the knowledge and skills of the students on various technological advancements and innovations



Workshop on Web-3 and BlockChain

Date: 28th April 2023

Coordinator: Dr Sridevi Saralaya

Objective: To upskill the new generation with Blockchain Technology

Resource person: Industry experts from Shardeum.



Project Exhibition - Technova 2023

Date: 5th May 2023

Coordinator: Ms Sunitha Guruprasad

Objective: Finding the best and innovative projects carried out by students of final year.



Session on “Career Opportunities in General and Armed forces”

Date: 16th June 2023

Coordinator: Ms Prajna M

Objective: Benefits, Opportunities and challenges associated with serving in Armed Forces, such as leadership development, personal growth, and opportunities for travel.



Hands-On Session On “Process Mining Using Execution Management System”

Date: 15- 16th May 2023

Coordinator: Ms. Prajna M

Objective: To upskill the new generation with contemporary tools and frameworks

Resource person: Mr. Manjunath Chandrashekar, Senior Academic Alliance Manager at Celonis



Industrial Visit by VI SEMESTER

Date: 16 -18th June 2023

Coordinator: Ms Pruthvi M R

Objective: To bridge the gap between Academic-Industry

Industry/Company: IROHUB INFOTECH Pvt. Ltd, Kochi



A session on “Amazon Web Services”

Date: 22nd June 2023

Coordinator: Dr Sofia Rego

Objective: To upskill the new generation with Amazon Services.

Resource person: Mr Sharan Kumar, Alumni of 2023 batch



Outreach program by II year students

Date: 24th June 2023

Coordinator: Ms. Anusha

Objective: Conducted to upbring the several government schemes and moral values of students.

Location: Maryvale Higher Primary School, Kinnigoli & Gandhinagar School, Mangalore

BEST PRACTICES

1

Free Online Certificate programmes through Coursera for faculty and students.

2

Building Academic-Industry gap by organizing several Expert talks/workshops/webinars by Alumni, Academia and Industry experts.

3

Alumni-student interaction to equip the students with the latest in industry.

4

Various technical and aptitude sessions conducted to improve placements.

5

Outreach programs conducted to provide awareness on several government schemes in rural areas.

6

Encourage students to carry out projects to address societal issues; Product and Research based projects.

7

Maintaining well equipped Lab infrastructure and Departmental Library.

8

Organizing Industrial Visit (IV) to bridge the gap between Academic and Industries.

9

Regular FDPs conducted to improve knowledge and skills of faculty members.

ACHIEVEMENTS OF FACULTY



Dr. Sridevi Saralaya

Best Paper Award for the paper titled "Retromailer- An Email Marketing Campaign using Amazon SES" presented in 2023 2nd International Conference on Smart Technologies and Systems

for Next Generation Computing (ICSTSN) held on 21-22 April 2023

Dr Shrisha H S

"Certificate of Reviewing"

The certificate is awarded in recognition for the role as "Reviewer" to the journal "Neural Networks" by ELSEVIER publishers. The international journal is ranked 3/109 by Scopus in the Cognitive Neuroscience domain, rated as Q1 by SCImago in the domain of Artificial Intelligence. The journal has the CiteScore 14.5 and Impact Factor 7.8.



FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES



PHD AWARDED



Dr Saumya Y M

PhD Title: A Study on Graph Labelings and Graph Spectra

Research Center: National Institute of Technology, Karnataka, Surathkal.

Research Guide Name: Dr S. M. Hegde

Completed on: Month & Year : October 2022

Dr Sofia Rego

PhD Title: Prediction of drug-target interaction using machine learning approach.

Research Center: Manipal academy of higher education (MAHE)

Research Guide Name: Dr Prema K V

Co Guide: Dr Balaji S

Completed on: Month & Year : January 2023



Dr Shrisha H S

PhD Title: Design and Analysis of Replacement Strategies for Content Store in Named Data Networks.

Research Center: Malnad College of Engineering, Hassan, VTU

Research Guide Name: Dr Uma B

Completed on: Month & Year : May 2023

Message by Alumni



As an alumnus of St Joseph Engineering College, I am filled with immense pride and gratitude. My time there was truly transformative, being part of a community that values academic excellence and personal growth. I had the opportunity to explore myself through technical clubs, events, and sessions, even though I was a computer science undergraduate with a passion for Robotics. Joining the Automation and Robotics Club provided me exposure to the field and allowed me to apply my domain knowledge. The opportunities I received at SJEC opened doors to a world of possibilities, and the skills I honed equipped me to confidently face real-world challenges. I want to express my heartfelt thanks to SJEC for being an integral part of my story. I eagerly look forward to staying connected and contributing to the college's bright future.

Sharan Kumar

Alumni of 2022-23 batch

INTELLIGENT COMPUTING & BUSINESS SYSTEMS



Dr Shreenath Acharya
Professor & HOD

HOD'S MESSAGE

Learning is not attained by chance, it must be sought for with ardor and attended to with diligence - Abigail Adams

The Intelligent Computing & Business Systems department established in Feb 2022 hosts three significant undergraduate programs viz. Artificial Intelligence & Machine Learning (AIML), Computer Science & Business System (CSBS) and Computer Science and Engineering (Data Science). Currently, the first batch of AIML students will be entering into their IV year, first batch of CSBS will be entering into the III year and the first batch of CSDS will be entering into the II year. The department vision is to impart value-based quality education with the intent of contributing to society through excellence in the fields of engineering, technology, and management.

Artificial Intelligence is the branch of Computer Science that emphasizes the development of intelligent machines. Computer Science and Business System programme exposes students not only to the core topics of Computer Science but also enables them to develop an equal understanding of human values and management sciences.

Computer Science and Engineering (Data Science) is a combination of two inter-related fields Computer Science and Data Science that have become increasingly important in today's digital age. Data Science has emerged with the growth of data that involves collecting, cleaning, and analyzing large data sets using statistical techniques and machine learning algorithms to identify patterns and trends for better decision-making. As more and more data are generated, the demand for skilled professionals in these fields is only going to increase. It has been envisaged that the demand for CSDS engineers is expected to exponentially grow in the near future.

The department has committed and well qualified staff who strive to provide students with a balance of intellectual and practical experiences that enable them to serve a variety of societal needs. We hold firm belief in our ability to succeed, and we nurture an attitude of self-reliance, confidence, commitment and responsibility in the students. I am confident that the students of the department would justify the credibility of the department by showing a high level of professional competence in their respective field. I would like to thank the teaching and non-teaching staff members of the department for their commendable efforts towards fulfilling the departmental objectives.

Congratulations to the editorial team for their hard work and dedication in bringing out the best of SJEC in 2022-23 through this magazine.

Congratulations

TOPPERS

II -YEAR -AIML



ASHWIJA MAYYA



**KATE ANGELA JEANNE
PEREIRA**

I-YEAR-AIML



**REESHEL NIKHITA
VALENTINA DSOUZA**



VAIBHAV K SALIAN

I-YEAR -CSBS



MOHAMMAD SHAHEER



THRISHA M

ACTIVITIES OF THE DEPARTMENT



Inauguration of the student association 'NEXUS'

Resource Person: Dr. Roshan Fernandes (Professor, department of CSE, NMAMIT, NITTE)

Date: 5 December 2022

Coordinator: Ms Gayana M N

Objective: To give an insight into latest trends in AI & ML field



Git & GitHub Workshop

Resource Person: Mohammed Rabil K (5th Sem AIML)

Date: 7 December 2022

Objective: To introduce industry standard tools to the students

Coordinator: Ms Gayana M N



Branch Entry for 2nd year Students

Date: 5 December 2022

Coordinator: Ms Gayana M N



Hands-on-session on "Digital Image Processing using ML and DL Techniques in MATLAB"

Date: 23 June 2023

Chief Guest: Mr. Rakshith B S, Senior Application Engineer from CoreEL Technologies-Bengaluru

Coordinator: Dr. Karthik K, Ms Gayana M N, Ms Renuka Tantry

Objective: To gain practical knowledge of how to use Digital Image in MATLAB using Machine Learning And Deep Learning Techniques.

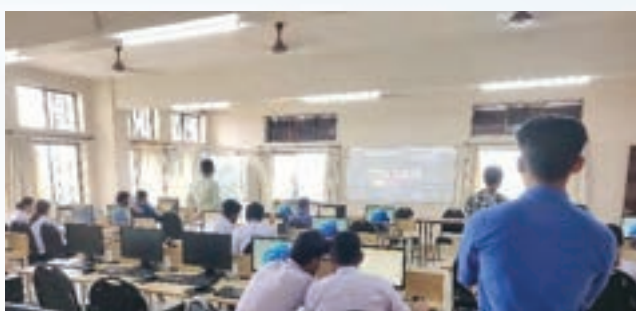
Radiance Week

Coordinator: Ms. Gayana M N

Date: 20-6-2023 To 24-6-2023



Event Name: Mind Maze



Event Name: Code Clash



Event Name: Pitch Perfect



Event Name: Battlegrounds Mobile Inter-Department Series (BMIS)

Objective: As part to celebrate ICBS Department week, an interdepartmental event, 'Radiance-2023' was held during 20 to 24th June 2023.

Industrial Visit

Date: 15 & 16 June 2023



Industry Name: " Cysbrosys Technology", Kozhikode, Kerala a prominent technology company and The Banasura Sagar reservoir in Wayanad, Kerala, the largest floating solar power plant.

Coordinator: Mr. Davor John D'Souza

Report on Intelliquiz



Event Name: Intelliquiz

Date: 3rd to 6th January 2023

Coordinator: Ms. Gayana M N

Treasure Trove



Event Name: Treasure Trove

Date: 19th July 2022

Coordinator: Ms. Gayana M N

BEST PRACTISES

Mentoring system to monitor the attendance and performance of students.

Remedial classes for slow learners.

Innovative teaching learning practises.

Workshops and Seminars for staff and students to facilitate knowledge enhancement.

Peer to peer learning.

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED

BY FACULTIES

Papers
published in
International
Journals:
03

No. of
Seminars/
Workshops
attended:
08

International
Conferences:
03

ACHIEVEMENT OF STUDENTS



Aveen Vas & Reevan Coelho won **First place** under 'Transformative Education Theme' in **Hackothsava-2023** held in SMVITM, Udupi on 2 June 2023.

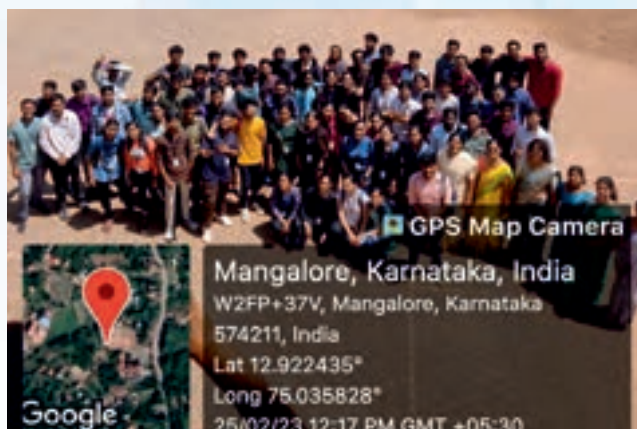


Team VRUDDHI, Aditya Rao-ECE, Aman Balakrishna -ECE, Gagan Surya Kumar-ECE, Sathwik Bangera-AIML **Third Runners up** at the National Level Design & Innovation Clinic-2023 organised by the Central Manufacturing Technology Institute.



Aveen Vas & Reevan Coelho won **First place** in FUSION TECHATHON 2023 Competition held in AIET, Mijar on 2nd September 2023.

OUTREACH PROGRAM



Branch: III year AIML

Coordinator: Mr.Davor John D'souza

Objective : Conducted various activities to promote science, technology ,art and good Health.

Location: St Thomas Higher Primary School, Vogga (5th November 2022) and St Thomas Aided Higher Primary School, Alangar, Moodbidri. (19th November 2022)

Branch: II year AIML

Coordinator: Mr Davor John D'souza

Objective : Conducted various activities to promote science, technology, art and good Health.

Location: Little Flower School, Kinnigoli (28th January 2023) and Loretto Kannada Medium School, Loretto Padav,Bantwal(25th feb 2023)



Branch : II year CSBS students

Coordinator: Mr.Davor John D'souza

Objective : Conducted various activities to promote science, technology, art and good Health.

Location: Government Model Higher Primary School Belthangady.(28th January 2023) and Little Flower School,Kinnigoli. (25th February 2023).

ELECTRONICS &

COMMUNICATION ENGINEERING



Dr Dayakshini
Professor & HOD

HOD'S MESSAGE

“Educationists should build the capacities of the spirit of inquiry, creativity, entrepreneurial and moral leadership among students and become their role model.”

Says Vikram Sarabhai. Vikram Sarabhai's quote reflects a holistic vision of education that goes beyond traditional academic knowledge. It highlights the role of education in shaping well-rounded individuals capable of contributing meaningfully to society.

It's important to note that industry requirements can evolve, and employers may have specific criteria based on the nature of their operations. To stay current, students should have technical proficiency in their respective discipline, problem identification and solving skills, adaptability to new things, ability of continuous learning, good communication skills, team work, time management, leadership skills etc. Industry experience gained through internships or practical training is highly valued and it provides students with exposure to real-world projects and challenges, enhancing their employability.

SJEC provides integration of various platforms and clubs, such as SJEC AICTE IDEA Lab, Automatic Robotic Club, E-YANTRA, department associations, and department clubs, indicates a commitment to fostering innovation and multidisciplinary collaboration among students. This approach aligns with the contemporary trends in education that emphasize not only academic excellence but also practical, hands-on experiences and collaborative learning. The Department of Electronics and Communication Engineering is proactively fostering a dynamic and up-to-date learning environment. Workshops, FDPS, internships, industrial visits, webinars in the field of VLSI, Communication Systems, Signal Processing, Embedded Systems, Biomedical Engineering demonstrates a commitment to staying at the forefront of technological advancements. Students and staff have ample opportunities to enhance their knowledge and skills in emerging fields. Frequent Alumni interactions have guided the students on expectations from the industry. Students have actively participated in inter college events, conferences, workshops, hackathons, various Project exhibitions and won many prizes. These initiatives collectively contribute to a holistic educational experience, providing students with both the technical expertise and the practical skills needed to thrive in the ever-evolving field of Electronics and Communication Engineering.

“Thank you to the students and staff of the ECE Department at SJEC for your dedicated contributions in realizing the vision and mission of our institution. Your efforts in organizing and participating in various events, workshops, and activities have played a pivotal role in creating a vibrant learning atmosphere. Special gratitude to the management for their unwavering support in the successful execution of these initiatives.

Heartfelt congratulations and appreciation to the chief editors and the entire team behind 'Abhiyaana 2023.' Your commitment and hard work in bringing forth this publication showcase the talent and dedication within our academic community.

Congratulations

TOPPERS

IV YEAR



Shreenidhi



Jyothika K



Stephiya Lobo



Jason Lynel Braggs

III YEAR



Priyanka Divakar Naik



Prashanth P Koti



Vishrutha K

II YEAR



Havala P N



Simone Anne D'Souza



Khushi Shetty



Pramitha

ACTIVITIES OF THE DEPARTMENT

Workshop on “Normative Study of Dynamic Visual Acuity using Balance Eye – DVA”



Resource Persons: Mr. Balavignesh, Specialist in Audio Vestibular medicine at Cyclops Medtech, Bengaluru, Mr. Mayur Mallya, Software developer, Cyclops MedTech Pvt. Ltd., Bengaluru, Mr. Rijesh Associate Audio Vestibular Specialist at Cyclops Medtech, Bengaluru

Date: 11-13 August 2022

Objective: To provide an insight on Dynamic Visual Acuity and to provide a hands-on experience on balance eye detector

Target Audience : II Year ECE students

STTP on “Advanced Digital System Design using FPGA Phase - II”



Resource Person: Mr Vijay Ganesh PC, Assistant Professor, Department of ECE, Dr Rohan Pinto, Professor, Department of ECE

Date: 19-24 September 2022

Objectives: To Analyze and Design the basic building blocks of Digital Systems using FPGA and to design a Microprocessor using RISC ISA Architecture

Target Audience: III Year ECE Students

Workshop on “Innovate 2022: Turn your idea to reality”



Resource Persons: Dr U C Niranjana, Director Research & Training at Manipal Dot Net, Dr Rio D’Souza, Principal, SJEC, Dr Shreeranga Bhat, HOD, Dept of Mechanical Engineering, SJEC, Dr Dayakshini, HOD-ECE, Dr Roshan Ramakrishna Naik, Associate Prof, Mr Aldrin C Vaz, Asst Prof, Mr Glenson Toney, Asst Prof, Dept of ECE

Date: 6-7 October 2022

Objective: To give insight on Ideation, selection of projects that has social and industry relevance and to provide a birds eye view on project management

Target Audience : IV Year ECE students

Workshop on “Introduction to Signal Processing and HDL”



Resource Person: Mr Rakshith B S, Senior Engineer, Mathworks Pvt Ltd ; Mr Keith Raymond Fernandes, Ms Chiatra U R, Ms Jayalakshmi K P, Ms K Aarya Shri, Ms Rupal M D Dsouza and Ms Deepthi S R, Assistant Professors, Department of ECE

Date: 10-11 October 2022

Objectives: Illustrate the importance of Signal Processing and its applications using MATLAB. Discuss the importance of HDL and the role of HDL in Digital System Design.

Target Audience: III Year ECE students

Talk on “Being an Entrepreneur”



Resource person: Ms Andrea Gonsalves, Co-founder-Market Bird, an advertising Agency

Date : 18 November 2022

Objectives: To understand the opportunities and challenges of being an entrepreneur and to get familiarize with the concept of entrepreneurship and the various types and levels of functioning

Target audience: III Year ECE students

Hands on training session on the Course “VLSI”



Resource Person: Engineers from Karmic Design Pvt. Ltd., Manipal

Date: 26 November 2022

Objectives: To give insights on VLSI using Cadence Software

Target Audience: IV Year ECE students

Workshop on “Prototyping using PCB”



Resource Person: Members of Terror Bull Robotics

Date: 5- 6 December 2022

Objective: To give insights into NodeMCU Platform, board layout, programming basics, PCB schematic designing using KiCAD and also PCB etching

Target Audience: II Year ECE students

A talk on “Food Adulteration and Consumer Awareness”



Resource Person: Dr Divya Suresh, Technical Officer Food Safety and Standards Authority of India (FSSAI)

Date: 14 December 2022

Objectives: To provide awareness on the food adulteration and its effects and how to combat negative nutritional trends to fight lifestyle diseases.

Target Audience: Faculty and Students of SJEC



During my study period at SJEC, the department faculty has been supportive in both curricular and extracurricular activities. No matter the success or failure of a task, priority was given to understanding of concepts and execution.

Message by Alumni

NITHESH JOEL DSOUZA
ECE Class of 2016

RFIC Mask Layout Engineer, KarMic Design Pvt. Ltd.

Talk on “Scientific Inquiry and Research in Engineering”



Resource Person: Dr. Karunakar A Kotegar, Director, International Collaboration & Professor, Department of Data Science and Computer Applications, MAHE, Manipal

Date: 19 December 2022

Objectives: To provide an insight on scientific enquiry which results in research oriented innovative projects

Target Audience: ECE Students

Workshop on “Python Bootcamp”



Resource Person: Mr Rahul Shettigar and Members of Samarthy Club

Dates: 9-11 & 20-24 February 2023

Objectives: The main objective of the boot camp is to introduce participants to Python, working with files, basic syntax, GUI programs, and its various data types

Target Audience: II year ECE students

FDP on “Patent and Research opportunities in India”



Resource Person: Dr Iddya Karunasagar Senior Director (International Relations), Nitte University.

Date: 29 March 2023

Objectives: Insights on Patent registration process and formalities, Legislative Framework for IPR in India

Target Audience: Faculty and Students of ECE

Workshop on “Introduction to Robotics & PCB Integration”



Resource Person: Members of Terror Bull Robotics

Date: 11-13 April 2023

Objectives: To create PCB Designs, Schematics Capture, Layout Design using KiCAD, PCB Etching, integrate sensors, other peripherals & to demonstrate a Line following BOT.

Target Audience: III Year ECE students

FDP on “Awareness on Outcome Based Education and AICTE Examination Reforms” in association with IQAC and SJEC TLC- Sanjosh



Resource persons: Dr Rio D’Souza, Principal, SJEC, Dr Shreeranga Bhat, HOD, Department of ME, SJEC, Dr Pavana Kumara B, Head IQAC, SJEC, Mr Franco Menezes, Assistant Professor, Department of EEE, SJEC

Date: 11-13 April 2023

Objective: To provide the participants an insight into Competency, Performance Indicators and Effective Assessment Strategies

Target Audience: ECE Faculty Members

Orientation Program on CAT, GRE, GMAT, IPSE & GATE



Resource Person: Mr Ganesh Hebbar, Director T.I.M.E. Mangaluru

Date : 12-17 April 2023

Objectives: To give Insights on CAT, GRE, GMAT, IPSE & GATE

Target Audience : III Year Students

Talk on “Future of Circuit Engineering”



Resource Person: Mr Sudeep Sapnil Gonsalves, Design Engineer, Tridonic UK Ltd, United Kingdom

Date: 25 April 2023

Objectives: To give Insights on job opportunities and scope of Electrical Engineering across the globe

Target Audience: III Year ECE Students

Workshop on “INNOVATE 2023”



Resource Persons: Dr Subramanya Bhat, Associate Professor, Department of ECE, NMAMIT, Nitte, Dr Mohith P Thahiliani, Assistant Professor, Department of CSE, NITK Surathkal, Dr Dayakshini, Professor & Head, Dr Roshan Naik, Associate Professor, Mr Aldrin Vaz, Dr. Arjun Rao, Ms Jennifer Saldana, Assistant Professors, Department of ECE

Date: 12-14 June 2023

Objective: To provide an insight into ideation that would aid in selecting apt industry/ socially relevant projects, plan its implementation, document the work and also introduce the ethical aspects to be considered.

Target Audience: III Year students

Industrial Visit to IISc Bengaluru, Zreyah Semiconductor Systems Pvt. Ltd. Bengaluru and BEML, Mysuru



Date: 16-17 June 2023

Objectives: To bridge the gap between Industry and Academics and to provide industrial exposure for students. To familiarize the students about semiconductor and nano-fabrication labs and to provide an exposure to students on manufacturing of heavy equipment such as that used for earth mover, railways, transport and mining.

Target Audience: III Year ECE Students

Workshop on “Programming on RISC V Processor”



Resource Persons: Mr Vijay Ganesh P C, Assistant Professor, Department of ECE, Ms Rupal D’Souza, Assistant Professor, Department of ECE

Date: 20-22 June 2023

Objectives: To provide insight on RISC V Processor and its programming

Target Audience: II Year SJEC Students

Mini Project Exhibition



Date: 24 June 2023

Total of 33 teams exhibited their Mini Projects. The winners for the event are as given below:

I Prize: “Automatic Fire Extinguisher” by Jowil Weanish Dsouza, Ashlyn Elvira Dsilva, Ananya Aithal, Kripa guided by Ms Arya Shri K

II Prize: “Clap Triggered Chair” by Leethesh, Likith, Hitha H Shetty, Nuha Kadeeja Sayeed by Ms Vijayalaxmi H Manjunatha

III Prize: “Wireless Dynamic Assessment of Motor Function of Lower Limbs” by Sonal J Ail, Vinol Arun DSouza, Shreyas Rai, Sean Francis Dante guided by Ms Nandini Maninarayana.

Target Audience: VI Semester ECE students

Session on “Master Class on Embedded Systems”



Resource Persons: Mr Vijay G H, Head of Technology & Ms Medhini B V, Embedded Engineer from DLithe Consultancy Pvt. Ltd.

Date: 30 June 2023

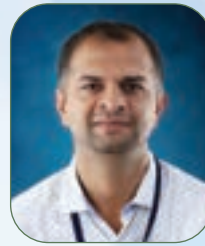
Objectives: To give insights on fundamentals, Architecture and protocols, Platforms for Embedded System Development, Real-time use cases, Introduction to components, devices, Communication Technologies & Challenges

Target Audience: III Year ECE students

ACHIEVEMENTS OF FACULTY



Ms Deepthi S R, Assistant Professor, Department of ECE received KSCST Grant of Rs 45,000/- under Faculty Project Program for the project titled - **“Automated Rubber Tapping & Rubber Milk Mixing Machine”** in the academic year 2022-23.



Dr Roshan R Naik, Associate Professor, Department of ECE has co-authored a paper titled **“Feature-based Registration Framework for Pedicle Screw Trajectory Registration between Multimodal Images”**, which is published in IEEE Access (WoS).

He received Best Paper Award for the paper titled **“Vertebral Pose Estimation between Preoperative CT Image & Intraoperative X-Ray Image”** in International Conference - WCASET 2022 organized by Institute for Engineering Research and Publication held on 24-25 August 2022.

Ms Nandini Maninarayana, Assistant Professor, Department of ECE has successfully completed Digital Skills Readiness Program and has been awarded as **“Wipro Certified Faculty”**. She is also recognized as a mentor for Project Based Learning in Java Full Stack.



Mr Glenson Toney, Assistant Professor, Department of ECE, mentoring a Team Amie, which was recognized as one among the top 5 projects at Karnataka Edition of Anveshana 2023 & Grand finale of Manthan 2022 organized by FKCCI, Govt of Karnataka. Also mentoring a Team Aikhya, which won third place at Father Muller Medithon 2023.



Dr Arjun Sunil Rao, Assistant Professor, Department of ECE has filed a Patent on **“An Eco Friendly interlocking paving block production”**.

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

No of Workshops/ FDPs/ Seminar: 70

Online Certification Courses: 40

International Journal 15

International Conference 20

MESSAGE BY ALUMNI



“ It was the best decision for me to join ECE in SJEC. To date I Recall and use many concepts of Embedded Electronics and Communication at my work on a daily basis and I thank my engineering curriculum and SJEC for building such a strong core in me. Trust the process and believe in yourself.

Aloysius Claud Pinto
ECE Class of 2008-2012
Software Project Manager, Borsch Global Software Technologies Pvt Ltd, Bengaluru

BEST PRACTICES



ACHIEVEMENT OF STUDENTS

KSCST FUNDING

Mr Aren Fernandes, Mr Hanson Pinto, Mr Santhosh Kumar Nayak and Mr Vijesh Holla M received KSCST funding of Rs 6000/- for the Project titled **“Nystagmus Detection in Vertigo Patients using Balance Eye Detector”** under the guidance of Ms Jayalakshmi K P & Ms Priya Seema Miranda, Assistant Professors, Department of ECE.

Ms A Spoothi Rai, Ms Ishika, Mr Jeethesh Dsouza and Ms Jenisha D’Souza received KSCST funding of Rs 6000/- for the project titled **“Smart Health Monitoring System for Pregnant - AMIE”** under the guidance of Mr Glenison Toney, Assistant Professor, Department of ECE.

Ms Sai Prasad U R, Mr Muhammad Kaif, Mr Robin Veigas and Mr Swasthik received KSCST funding of Rs 5000/- for the project titled **“Real Time Solid Waste Monitoring and Construction of a Power Electronic Source for Cold Plasma Generation”** under the guidance of Mr Prasad S M, Assistant Professor, Department of ECE.

Ms Brijesh T Kottary, Mr Bhavish Poojary, Mr Mohammad Tahir and Mr Sathwik Shetty received KSCST funding of Rs 5000/- for the project titled **“Rainfall Prediction and Measurement for Enhancing Crop-Yield based on Machine Learning and Artificial Intelligence”** under the guidance of Ms Jennifer C Saldanha, Assistant Professor, Department of ECE.

Stellar performance by **Cadet Captain Mr Prashanth P Koti**, third year ECE student & NCC cadet of 6 KAR Naval NCC Unit, who represented Karnataka & Goa at the Republic Day Camp (RDC) 2023, New Delhi and his achievements are:

- First batch cadet of 6 KAR Naval NCC subunit of the College.
- Among the three cadets selected for RDC 2022 from all over Karnataka & Goa Directorate in Ship Modelling. A total of 17 Directorates across India took part in Ship Modelling competition.
- CC Prashanth and his team built Power Ship Model (INS TRIKAND) within 48 hours.

He is the recipient of the following awards:

- Gold medal in Power Ship Model.
- Gold medal in VIP Model.
- Admiral Nanda Trophy, also known as Silver Ship for the excellent performance in Ship Modelling for Karnataka & Goa Directorate. The Silver Ship award is bagged first time in the history by the Directorate.

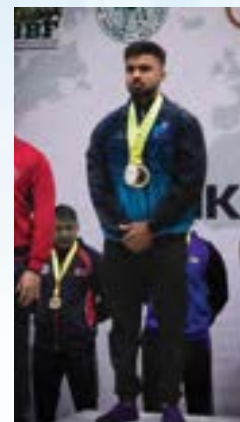


Amie, a health tracking mobile application for pregnant women, developed by Ms A Spoorthi, Ms Ishika, Ms Jensiha D'Souza & Jeethesh of third year ECE under the guidance of Mr Glenson Toney, Assistant Professor, ECE Dept. received the following awards:



- Among top 5 projects at Karnataka Edition of Anveshana 2023 with a Cash prize of Rs 15000.
- Presented at Grand finale of Manthan 2022 organized by FKCCI, Govt of Karnataka: Featured and recognized among top 75 Business ideas in South India.
- Best B Plan at Josh 2022 & won Cash prize of Rs 10,000.
- Best B Plan at Zephyr 2022.
- Incubated through India Netherlands Business Circle Bengaluru - Seed Brains 2022.

Aren Joy Fernandes (4th Year Student) has secured **First Place in 74kg-Junior** in the Asian Men's Classic Powerlifting Championship-2022 and created a World Record in the same category held at Dubai, UAE during 01-07 December 2022.



Akash OM, Arliya Mathew, Arul Thomas, Sumith Hegde (4th year students) under the Guidance of **Dr Arjun Sunil Rao** secured **2nd Place** for the paper IOT BASED CHILD SAFETY WEARABLE DEVICE at JNANASANGAMA 2023 at VCET, Puttur on 05/05/2023.



Team Aikhya, Ms Sinchana Gowda, Ms Pramitha D'Souza, Ms Prerana, Ms Simone & Ms Sweekrithi (2nd Year Students) under the Guidance of Mr Glenson Toney & Mr Aldrin Claytus Vaz, won 3rd Place at Medithon-2023, organised by FMFC, Mangalore on 10/03/2023.



Team Vriddhi, Mr Gagan Surya Kumar S, Mr Aditya Rao & Mr Aman Balakrishna Muttam (3rd Year Students) under the Guidance of Mr Glenson Toney, won 3rd Runner-Up at Design & Innovation Clinic-2023, organized by Central Manufacturing Technology Institute, Bengaluru during 11-13 April 2023.



Sannidhi, Thejasvi, Melroy Shawn Sequeira, Nachiketh R (4th year Students) under the guidance of Ms Florence Nishmitha secured 1st place in the IEEE I2 Connect JNNCE project Exhibition 2023, organised by IEEE Mangalore Subsection.

MESSAGE BY ALUMNI

The 4 years that I have spent at SJEC has given me the best memories to cherish forever. Campus surrounded with lush greenery, access to good library, good infrastructure and experienced faculties, this is the right place to be, to embark on your academic journey.

The faculty in the ECE Dept are enthusiastic and ready to provide all the necessary guidance throughout your journey. You will find well equipped laboratories to conduct individual as well as group experiments.

I got an opportunity to be a treasurer as part of TIARA - College fest conducted every year and also be part of NSS and Youth Red Cross Wing where we were given volunteering opportunities for social causes.

At SJEC you get to excel academically and also take part in extra curricular activities which makes you a strong and confident person to take up any challenges that comes your way.



Vachana S
ECE Class of 2008-2012
UI Lead - IBM India
Best Outgoing Student award & 2nd rank ECE

ELECTRICAL &

ELECTRONICS ENGINEERING



Mr Sathisha K

Assistant Professor & In-Charge HOD

HOD'S MESSAGE

“Excellence is to do a common thing in an uncommon way “- this quote from Booker T Washington motivates us to aim for excellence. It tells us that excellence is not something which is hard to achieve in our day –to – day life. We can achieve excellence by adding creativity to routine tasks and motivating others to do the same. Every individual can achieve success by exhibiting excellence in his/her life.

The Department of Electrical and Electronics Engineering (EEE) at SJEC embarked on a journey to strive for success 20 years back. This journey featured teaching and non teaching members doing common activities in an uncommon way to demonstrate excellence in facilitating Engineering Education.

The Department of EEE has tried to impart quality education in emerging trends of technology by framing an industry based curriculum under Autonomy. Though we are still taking baby steps under Autonomy, we are confident of achieving greater heights in facilitating Engineering Education using our Autonomy status.

We regularly meet industry demands by developing student skills on problem solving, project management, communication and team building. We could do this because of undying support from our Alumni and Industry partners.

I wish the editorial team of ‘Abhiyaana 2023’ all the success in bringing out yet another fantastic and creative edition of our yearly magazine. I extend my warm regards and blessings to all the graduating students for a bright professional carrier.

Congratulations

TOPPERS

IV YEAR



Hemashree K P



Satheeshwari



Suchi Tiwari

III YEAR



Rathan M B



Abdul Basith



K Koushik Bhat

II YEAR



Advith A J



Canwil Viroy D'Souza



**Jocelyne Siyona
Fernandes**

ACTIVITIES OF THE DEPARTMENT



Industrial visit to KPTCL, Kavour substation

Resource person: Er Krishnaprasad Pai, KPTCL, Kavour substation

Objective: To give an insight into the practical aspects of transmission and distribution of electrical power

Date: 9 September 2022



Technical talk on Traction Power Supply

Resource person: Ms. Prarthana Rao, Alumnus -Batch 2016, Engineer , MESCOM, Mangaluru

Objective: To understand the advantages of electric traction over conventional systems.

Date: 2 December 2022



Industrial visit to Varahi Hydro-Electric Power Plant, Hosangadi

Resource person: Mr Zaheer Ahmed, Engineer of Varahi Hydro-Electric Power Plan

Objective: To give an overview of power generation and high voltage power transmission

Date: 7 November 2022



Technical talk on Awareness on TPSDI Internship courses

Resource person: Mr Sateesh Mahajan, Principal-TPSDI, Shahad

Objective: To understand the need of employability skills and availability of various TPSDI internship courses for EEE students on solar, Cable Laying and power systems.

Date: 14 December 2022



Industrial Visit to Traction Power Substation, Konkan Railways, Mulky

Resource person: Mr Narayan Nair, Senior Section engineer, KRCL-Udupi

Objective: To understand the maintenance of the Substation and the difference between Conventional substation & traction substation.

Date: 19 December 2022



Technical Talk on “Mangaluru Smart City Cooperation Projects”

Resource person: Mr Mohammed Shakeer, Alumnus batch of 2014, KPTCL representative, MCC

Objective: To provide the significance of different voltage levels in transmission and distribution systems in Karnataka state.

Date: 21 December 2022



Event: Hands-on workshop on “ Patent Search & Prior Art Assessment”

Resource person: Dr Sheryl Grace Colaco & Ms Madhavi Gatty, Assistant professors,EEE Department, SJEC.

Objective: To provide information about Patent search and analysis of claims.

Date: 24 February 2023



Workshop on electrical switch gear and protection

Resource person: Mr Shivananda, MD,DBSons, Pvt Ltd, Tumkur

Objective: To provide Industry based knowledge on contactors, push buttons, NOs, NCs, Timers, Indicators and Circuit breakers.

Date: 9 -11 February 2023



Industrial visit to KPTCL Kavor substation

Resource person: Er Krishnaprasad Pai , KPTCL, Kavor

Objective: To provide insight into the practical aspects of transmission and distribution of electrical power to the students.

Date: 1 March 2023



Industrial visit to KPTCL Kavor substation

Resource person: Er Deepak, KPTCL, Kavor

Objective: To provide insight into the practical aspects of transmission and distribution of electrical power to the students.

Date: 10 March 2023



FDP on Applications of Communication and Artificial Intelligence using MATLAB

Resource person: Mr Rakshith B S, Senior Application Engineer-UPT, Technology Solutions Division, CoreEL Technologies- Bengaluru.

Objective: To provide hands-on training on Simulink Communication tool box and Machine learning toolbox with the GUI interface.

Date: 16- 17 March 2023



Workshop on “Basics of Arduino”

Resource person: Mr Leswin D’Souza, Mr John Pramith D’Souza, Mr Glenal D’Souza, Mr Anwith Raj Jain ,8th sem EEE students.

Objective: To help the third year students to gain hands-on experience on Arduino IDE for their mini projects and main project.

Date: 1 April 2023



FDP on “Awareness on AICTE Examination Reforms”

Resource person: Dr Sudheer M, Dean Academic Affairs, Dr Shreeranga Bhat, HOD-ME, Dr Pavana Kumar B, Head-IQAC, SJEC, Mangaluru.

Objective: To give an insight on the Formation of the Competency & Performance Indicators (PIs) in the course plan and also the importance of complex engineering problems in the curriculum followed by the assessment for the same.

Date: 20 April 2023



A survey on “Installation of Solar System” at Malluru village

Objective: To identify the type of energy consumption, appliances used in the houses and educate them on the benefits of using Solar appliances.

Date: 13 April 2023



Talk on “Signal Processing using LabVIEW”

Resource person: Mr Franco A Menezes, Assistant Professor, Department of EEE, SJEC, Mangaluru.

Objective: To enable the third year E&E students to gain the practical knowledge on using LabVIEW for data acquisition.

Date: 20 April 2023



Talk on Climate Emergency

Resource person: Mr H. Shashidar Shetty, General Secretary, Mr. Benedict Fernandes, Member National Environment Care Foundation (NECF) Mangaluru.

Objective: To create awareness of nature preservation through renewable energy sources and the planting of trees.

Date: 17 May 2023



A hands on training on “Introduction to MATLAB”

Resource person: Mr Rakshith B S, Senior Application Engineer-UPT Technology

Objective: To enhance participants’ skills and confidence in utilizing MATLAB as a powerful tool for numerical computing, data analysis, and visualization.

Date: 1-2 June 2023



Technical Talk on “Power Electronics Circuit Design and Analysis”.

Resource person: Mr Sandesh Nayak, Embedded Design Engineer, Brevera Technologies, Mangalore.

Objective: To impart knowledge on design of power electronics circuits.

Date: 30 May 2023



Workshop on PCB Design and Fabrication using KiCad Software

Resource person: Mr Rajath Kumar & Mr Manoj Kulal – IV Year students, EEE department, SJEC

Objective: To enhance knowledge of students on PCB design skills.

Date: 5 June 2023



Mini Project Exhibition

Objective: To evaluate third year students’ mini projects

Date: 5 June 2023



Technical talk on “How to Write a Research Paper”

Resource person: Dr Sheryl Grace Colaco, Professor, EEE Dept.

Objective: To give brief idea about writing a research paper

Date: 30 June 2023

ACHIEVEMENTS OF FACULTY



Mr Subramanya Bhat received the Best paper award for the paper titled “**State Analysis of Electrical Equipment and High Voltage Engineering**” in the international conference at Tokyo Japan on February 25-27, 2023

Journals -2

WorkShops/ FDP - 24

Online Courses - 19

International conference - 2

BEST PRACTICES

Weekly Attendance Monitoring

Alumni Interaction

Competitive exam training

Technical talks by Industry and Academia

Industrial Visit

Message by Alumni

Hi Everyone,

The first thing that comes into my mind is that ‘Service and Excellence’ rightly justifies the vision and the goal of St. Joseph Engineering College. I personally feel that the major credits for the achievement of lot many success stories of Josephites would definitely go to the excellent educators at SJEC. The efforts put up by each of the faculty members is always commendable. We got a lot of opportunities in terms of exploration of new technologies during tech fests, attending several technical seminars organized by the institute/department, industry specific internship/training, industrial visits to power plants and many more. Apart from technical education, a very healthy and enthusiastic environment is maintained which has been the best part of the entire journey of four years.

The entire SJEC family believes and works on a holistic and a strategic approach which has lead to its success in the field of engineering education and can be recognized as an organization with industry ready technology enthusiasts in the silicon world.

A heartfelt of gratitude to all my professors and all my fellow-mates for this beautiful journey of a successful engineering life!

Dhanya G N

Technical Lead at KPIT Technologies, Japan
EEE Batch : 2014-2018



ACHIEVEMENT OF STUDENTS



Project Title: Controlled Solar Powered Grass Cutting Bot

Project Type : Research

Funding Agency: KSCST

Amount: Rs 6000/-

Guide Name: Ms Bharathi Rao , Assistant Professor

Students: Ms. Vachananjali A Biradar, Ms. Prarthana, Ms Suchi Tiwari, Mr Sharath B P



**Mr Ajwin D'Souza,
Third Year EEE**

Secured **First Place** in Project Expo(Hardware) organized by Aakriti-2023 held from 30 March -1 April 2023 at Canara Engineering College, Benjanapadavu .

Participation in inter-institute events by students

Drowsiness sensing system for Driver safety

Student Participant: Colin Aubrey Pinto, Deepansh A, Melron Rodrigues, Deeikshith V Final Year

Event Details: International Conference on Advanced computing and Communication Technologies for High Performance Applications (ACCTHPA-2023)

Organising institute: FISAT, Angamaly, Kerala ,India
Date: 20-21 January 2023

Message by Alumni



It gives an immense pleasure to share my experience and the impact that the SJEC had on me. I am overwhelmed with gratitude for the invaluable experiences, knowledge, and friendships that SJEC has provided me. I would like to express my deepest gratitude to the management and the faculty and staff members of SJEC who dedicated their time, expertise, and unwavering support to ensure our growth and success. The commitment of SJEC to fostering a diverse and inclusive environment has been pivotal in shaping our perspectives and preparing us for the real world. As I embark on the next chapter of my journey, I carry with me the knowledge and skills imparted by SJEC. The rigorous curriculum, hands-on experiences, and opportunities for personal and professional development have equipped me to face the challenges that lie ahead.

I extend my heartfelt gratitude to SJEC for the invaluable role it has played in shaping my life. I am forever grateful for the memories, the knowledge, and the lifelong friendships forged within these walls.

M Shravan

Class of 2023

MECHANICAL ENGINEERING



Dr Shreeranga Bhat
Professor and HOD

HOD'S MESSAGE

Dear Respected Readers,

I am delighted to present the remarkable achievements and activities of the Mechanical Engineering Department over the past year. First and foremost, I would like to extend my heartfelt gratitude to our dedicated faculty, staff, and students, whose tireless efforts and pursuit of excellence have not only elevated the status of our department but also made a significant impact in the field of Mechanical Engineering globally. In this edition, we have showcased our faculty and students' innovative work and accomplishments across various domains, from renewable energy and automotive engineering to advanced materials science and robotics. Their contributions have been pivotal in addressing contemporary challenges and advancing the frontiers of knowledge. Additionally, I would like to express my sincere appreciation to our alums, whose continuous support and achievements in their respective fields inspire our current students and underscore the myriad opportunities that await them upon graduation. Lastly, I thank everyone who contributed to the department's success. Your enthusiasm, dedication, and support have made this milestone possible. I hope you find this edition informative and inspiring. Together, let us continue to strive for excellence and positively impact society.

Congratulations

TOPPERS

IV YEAR



Gokul Prabhu K



A.B Vivek Nayak



Rachana

III YEAR



Vijayesh M T



Joshua Lawren D'Souza



Suhani P Anchan

II YEAR



Rynor Gawain Pinto



Shaun Clitus D'Sa



Mohammad Shifan

ACTIVITIES OF THE DEPARTMENT

The department of Mechanical Engineering organized a three-day workshop on “**Engineering Modeling using SolidWorks**” from 14-16 September 2022. A total of 17 faculty members from the Mechanical and Civil Engineering Departments participated in the training. The resource people were Dr. Ravikanth Prabhu and Mr. Swaraj D Lewis.



The department of Mechanical Engineering in association with SJEC AICTE IDEA Lab and The Office of The Dean-Academics organized a five-day workshop on the “**Internet of Things**” from 26-30 September 2022. A total of 31 SJEC staff participated in the immersive training. The resource people were from RVCE, Bengaluru.



The department of Mechanical Engineering organized a 2-week placement orientation program, “**Prayathna-2022**”, from 6-14 October 2022 for final-year students. A total of 113 students participated in the training. The internal and external resource people conducted the sessions and training.



The Department of Mechanical Engineering organized an online webinar on “**Intellectual Property Rights (IPR) & Patents and Design Filing**” on 10 November 2022 (Thursday) for the benefit of the students of 3rd and 4th-year Mechanical Engineering faculty members and students. Dr Bharat N Suryawanshi, Assistant Controller of Patents & Designs, Rajiv Gandhi National Institute of Intellectual Property Management (RGNIPM) was the resource person. The objective of the program is to empower the students and faculty members to understand the importance of Intellectual Property and implement it in the Institution.



The Department of Mechanical Engineering organized an Industrial visit to BEML - Mysore for the Final and Third year students on 17 December 2022. A total of 41 students visited the industry.



A **placement celebratory meeting** of all VII and V semester students on 29 December 2022 in Bishop Aloysius Paul Hall, SJEC, to motivate the remaining final year students to secure placement and to send a positive message to all the students in the other semesters. The current academic year has witnessed unprecedented placements in the Department of Mechanical Engineering, with more than 90 job offers being secured by 70+ students. This is the highest number of placements in the Department since its inception.



The Department of Mechanical Engineering organized an **Inaugural Ceremony of the Mechanical Engineering Students' Association "TORQUE"** on Wednesday, 4 January 2023. Group Captain Rhonston Soans, Chief Engineering Officer of the Indian Air Force (I.A.F.) Station, Srinagar, was the chief guest and delivered a talk on "Life Lessons from a Soldier".

The Department of Mechanical Engineering and the Institute of Engineers SJEC Chapter organized a three-day online Faculty Development Program on "**Recent Advancements in Materials and Manufacturing (RAMM)**" from 13-15 February 2023. Prof. Kumanana S. (NIT, Trichy, TN; Topic: Sustainable Manufacturing), Prof. Benny Karunakar (IIT Roorkee, UK, Topic: Investment Casting Process), Prof. Samuel G. L. (IIT Chennai, TN, Topic: Smart Manufacturing), Prof. Somashekhar H. (IIT Chennai, TN; Topic: Micromaching), Prof. Mrityunjay D (IIT Mandi, HP, Topic: 3-D Printing) and Prof. Jagadeesh T. (NIT Calicut, KL, Topic: Smart Materials) delivered sessions on various topics.



The Department of Mechanical Engineering, in association with AICTE IDEA Lab, organized and celebrated **National Science Day 2023** on Tuesday, 28 February 2023. Dr Smitha Hegde (Deputy Director and Professor at NITTE centre for science) was the Chief Guest of the event. Ms Rajalakshmi K. (DDPI DK) and Mr Sumith Rao (Proprietor of M/s Olympus Refrigeration INC) were the guests of Honour of the program.



Conducted a Two-Day Workshop on "Modeling and Analysis of Mechanical Systems using MATLAB and Simulink" in association with ISTE-SJEC Chapter on 13-14 March 2023. Mr Rakshioth B S (Senior application Engineer-UPT Technology solutions, CoreEL technologies Bengaluru) was the resource person.

Conducted an Awareness Session on "**Opportunities in Non-Destructive Testing**" for the 3rd Year Mechanical Engineering Students on 01 April 2023 at Bishop Aloysius Paul Hall. Mr Ganesh and Mr Venkat from V&G Industrial Testing Laboratories Pvt Ltd were the resource persons.



Organized a refresher training program on pneumatics, electro pneumatics, and P.L.C. systems in the Festo Center for Industrial Automation from 1-3 March 2023. The training was delivered by Mr R. Ugesh, Sr. Didactic Engineer, Festo India Private Limited, Bangalore. This training aimed to develop and implement a course on Industrial Automation for the Final year students.



Conducted the event “Technova-2023”, a final year project exhibition on 5 May 2023. Mr Gagan Shetty K, Asst. Professor, Department of mechanical Engineering, Sahyadri College of Engineering and Management (Alumnus of Batch 2011) and Mr Bharath Raj (Alumnus of Batch 2011) were the judges for the event.

ACHIEVEMENTS OF FACULTY

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

No of
Workshops/
FDPs/
Seminar:
118

Research
Paper
Published
12

International
Conference
10

PHD DEGREE AWARDED



Dr Rolvin S. D'Silva
Assoc. Professor



Dr Pavana Kumara B
Assoc. Professor



Dr Vijay V S
Assoc. Professor



Dr Canute Sherwin
Asst. Professor



Dr Binu K G and **Mr Yatish Kumar** received a grant of Rs 65,000 for the project “**Combined Wheelchair and Bed**” from the Karnataka State Council for Science and Technology, Gov. of Karnataka.

Dr Shreeranga Bhat has received **Outstanding Reviewer Award-by the International Journal of Lean Six Sigma** (Emerald Publishers- UK) for the year 2022.

PATENTS GRANTED



Dr Vijay V S
Asst. Prof.

Granted a patent by the Patent Office, Govt of India, for the “**Two Stroke Engine**” invention under application number 3152/C.H.E./2014 on 10 November 2022.



Mr Rajesh Belchada
Asst. Prof.

Published in a patent journal by the Patent Office, Govt of India, for the invention “**Design of Electromagnetic Rail Gun for Aerospace Applications**” under application number 202241070716 A on 16 December 2022.

We spoke to Jerin from the 2022 batch about his SJEC experience

Reason behind enrolling for Mechanical Engineering at SJEC.

First of all SJEC is a well known college, here in mangalore. Their reputation draws people towards them. They earned the reputation through all the facilities they provide, beautiful campus, high diversity etc.

Your experience at SJEC.

Wonderful nonetheless. Most importantly my friends. Also I would not forget the cultural events they organized , which played a huge role in growing within the college. I'd love to mention all my friends, the m4 batch. Being in SJEC never meant that we had to stay away from sports or our hobbies. We had competitive matches within the college and sports day to declare the victories and so on.

Your success mantra.

I was always a last minute guy and would not recommend that to anybody. I've even been at the movies the day before an exam. It's just that, do what you do sincerely and always complete what you start.

Advice to your juniors

Enjoy the time being there. They become the good old times later on. Attend all the placement drives and keep updating yourself.

About life after engineering.

Do not worry about it. Your destiny will find you and you will reach where you are meant to.



CIVIL

ENGINEERING



Dr Yajneswaran B

Professor & HOD

HOD'S MESSAGE

“We shape our buildings, thereafter they shape us.” Winston Churchill

In both rural and urban settings, the influence of technology remains equally significant. Infrastructure and technological advancements form the cornerstone of progress, enabling swift economic transactions, job creation, efficient logistics, and ultimately, improved living standards. The pivotal role played by stakeholders becomes indispensable in realizing this shared objective of development.

The Civil Engineering Department has been dedicated to fortifying students' skillsets and preparing them extensively for the industry through diverse teaching methodologies. The faculty's commitment to delivering a high-impact learning experience has significantly contributed to achieving the anticipated academic excellence and outstanding placement outcomes for students. During their interactions with students, faculty mentors have led with empathy and heightened care. We are proud to say that our department conducted Student Training Programs, Technical Aptitude Sessions, Faculty Development Programs, visits to industry and internships within the industry and in institutions.

Through Abhiyaana, our students and faculty can showcase their creative abilities, hidden talents, and aspirations for writing. I would like to express my appreciation and gratitude to the Editorial team for delivering Abhiyaana 2023 on schedule. Thanks to all the faculty, students, and alumni who have assisted the Department in executing this pivotal initiative.

I wish all the best to the creative and editorial team of 'ABHIYAANA 2023' for their valuable efforts in bringing out this issue.

Wish you all happy reading.

Congratulations

TOPPERS

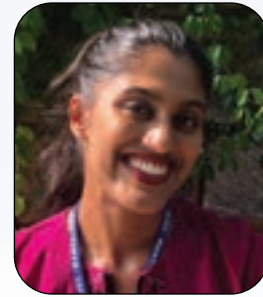
IV YEAR



Shreya Baliga B



Nisha L Gowda



Alvina Vanessa Mendonca

III YEAR



Fathima Nushrath M



Basil Mathew Varghese



Parasappa

II YEAR



Sanjay T G



Anas Rashid Mahamood



Bhagyashree

ACTIVITIES OF THE DEPARTMENT

Workshop on “Modern Industrial Tools”



Date: 2nd December 2022

Coordinator: Student Association of the Civil Engineering Department (NIRMAN)

Objective: To familiarize faculty and students from various departments with the latest tools and equipment used in the industrial sector.

Inauguration of NIRMAN-Civil Engineering Students Association

Date: 7th December 2022



Coordinator: Mr. Chitharanjan M (Assistant Professor)

Objective: To provide a platform for civil engineering students to develop their skills, exchange ideas, and contribute to the advancement of civil engineering.

Technical Event “One Piece”

Date: 7th December 2022

Coordinator: Ms. Vishikha Keshava and NIRMAN Student Association

Objective: To encourage civil engineering students to apply their knowledge of civil engineering principles and construction techniques to design and build floating objects which carry max. load.

Technical Event “Ease of Flow”

Date: 7th December 2022

Coordinator: Mr Rohit Prakash Veigas & NIRMAN Student Association

Objective: To encourage civil engineering students to think creatively and come up with innovative solutions to construct structures using a given set of materials.

Technical Talk on “Buzzing for the Future - Honey Bee Rescue and Environmental Awareness”



Date: 5th June 2023

Coordinator: Ms. Vishikha Keshava, Asst. Prof.-Civil Engg. and Prajna K., Asst Prof. -Maths Dept

Objective: To raise awareness about the importance of honey bee rescue and its connection to environmental conservation.



Farewell Program “Vigama-2k23”

Date: 12th May 2023

Coordinator: Mr. Chitharanjan M (Assistant Professor)

Objective: To bid farewell to the final year students and celebrate their achievements.

Industrial Visit to “Nirmithi Kendra,” Surathkal, Mangaluru



Date: 9th June 2023

Coordinator: Ms. Vishikha Keshava, Ms Reena James Rodrigues , Mr. Chitharanjan M

Objective: To familiarize students with precast members, alternate building materials, and eco-friendly building technologies.

Industrial Visit to Chennai



Date: 22nd April to 25th April, 2022

Coordinator: Ms. Reena James Rodrigues, Ms. Pranamya K, and Mr. Bhojaraja M

Objective: To provide practical exposure to final year Civil Engineering students by visiting Indian Institute of Technology Madras (IIT Madras) and Council of Scientific and Industrial Research–Structural Engineering Research Center (CSIR–SERC), showcasing advanced research and experiments in the field.

Industrial Visit to Master Plannery Puttur

Date: 1st June 2022

Coordinator: Mr. Govinda Krishna M, Mr. Sachin U, and Ms. Reena James Rodrigues

Objective: To provide practical exposure to third-year Civil Engineering students by visiting Master Plannery Puttur, witnessing the casting of different precast elements and gaining knowledge in the field of precast elements.

IIG Webinar on “Modern Materials in Construction”

Date: 22nd August 2022

Coordinator: The Department of Civil Engineering in association with SVEC Industry and Innovation

Objective: To educate II and III year Civil Engineering students about modern materials used in the field, encouraging them to explore sustainable solutions and smart construction practices.

The Scope of HSE (Health, Safety, and Environment) in the Field of Civil Engineering and the Introduction to IOSH Qualification & NEBOSH Training



Date: 8th March 2023

Coordinator: Dr. Yajneshwaran B (HOD-CE) and Dr. Sreya M V

Objective: To raise awareness among students and faculties about the importance of Health, Safety, and Environment standards in Civil Engineering and introduce the IOSH Qualification & NEBOSH Training.

Meet The Author Event and SHILPA Inauguration



Date: 15th June 2023

Coordinator: Dr. Yajneshwaran B (HOD-Civil), Dr. Sreya M V, and Ms. Vishikha Keshava

Objective: To inaugurate SHILPA, a student club, and host the “Meet The Author” event with Professor S.S. Bhavikatti, providing students with insights into textbook writing and promoting talent in model-making.

Industrial Visit to Varahi Underground Power House



Date: 6th April 2023

Coordinator: Ms. Vishikha Keshava, Mr. Rohith Prakash Veigas

Objective: To provide practical exposure to second-year Civil Engineering students to witness the entire process of power generation, from the water intake to the generation of electricity. They also learned about the various types of turbines used in the power house, and how they are operated and maintained

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

Conference/
Workshops
35

International
Journal
8

International
Conference
4



Message by Alumni

I am deeply grateful for the valuable skills and knowledge I acquired during my time at SJEC. The rigorous training and guidance provided by SJEC have equipped me with a strong engineering foundation, empowering me to tackle challenges with confidence and achieve successful outcomes.

Mr Alen Baptist D'Souza
2012-2016 Batch
Alen & Johnsons
Civil Engineering Consultant

DEPARTMENT OF

PHYSICS



Dr Rajesh Kumar P C

Professor & HOD

HOD'S MESSAGE

We are all in the time of transition. Transition of many facets. Technological, social, educational, healthcare, communication and many more. Thanks to Artificial intelligence. There is a tremendous pressure on all of us to adapt to this impact of intelligence beyond limits. We need to equip ourselves with the updated knowledge, skills and accommodative mind-set. Engineering College is a great flat form for academic discourses, innovative activities and exploration of human capabilities. St Joseph Engineering College Mangaluru has a meritorious plan for career design of extremely talented young generation of this country. Its focus is beyond the outlines of a bachelor of engineering or management degree. SJEC is in synonymous with vibrant curricular and co-curricular activities to nurture and channelize the overwhelming potentials of young boys and girls. It is skilfully using the autonomous space to accommodate all possible avenues of knowledge sharing with all possible dynamicity. No stereotypes, genuinely leaning oriented activities. Imparting clarity of concepts of fundamental science, Physics in particular to be the tech inventors. We are one of the few engineering colleges who introduced electives in the first year engineering itself giving plethora of options to the students to bloom as full-fledged technocrats from the very beginning. It reflects the vision, audacity and the strength of the institution. SJEC stands toll in emphasising the fact that, education is not just imparting information, but it is the overall transformation of every individual to be a noble individual through a right practice. Students of our Institution are known for their 'Swacha-Samskara' along with their profound technological skills and knowledge.

The vibrant SJEC is show casing its liveliness through one the powerful flat forms of expression, College magazine -2023. Magazine is rich because of its inspiring messages, valuable articles, reports and photos. The editorial committee has worked tirelessly to see that no stone is unturned in depicting all the activities of SJEC, picture perfect. Congratulations.

ACTIVITIES OF THE DEPARTMENT



Training conducted for outreach Program

Date: 27 June 2022

IEEE SJEC Student branch in association with IEEE TEMS conducted a training program for IEEE students on Science related experiment in the Physics Lab. Dr Rajesh PC, HOD-Physics Department SJEC was the resource person.



Participation of Students in Nuclear Energy Awareness Program at Science Center Pilikula-reg

Date: 25 August 2022

As a part of 'Azadi Ka Amritha Mahothsav, Pilikula Regional Science Center in association with an NPCIL, DAE Mumbai organized an event Nuclear Energy Awareness Program which was conducted by the Scientists of Kaiga Nuclear Power Plant .

Dr Rajesh Kumar P C, Ms Olivia Sequeira, and Mr Anurag B and 30 students from First year BE participated in this program



Awareness programme on 'Waste Segregation'

Date: 30 June 2022

'Epsilon'- Association of Department of Physics, St Joseph Engineering College, Vamanjoor, Mangaluru organized an awareness programme on 'Waste Segregation' through a street play near Cafeteria in SJEC Campus



Clean Coast, Safe Sea Program

Date : 03 Septaember 2022

St Joseph Engineering college in association with Ministry of Earth Sciences, Govt. of India, Vigyan Prasar , New Delhi, Karnataka Science and Technology, Bengaluru, Pilikula Regional Science Center, Mangaluru, Indian Coast Guard- No.3 Coast Guard District Karnataka as part of the Azadi Ka Amrithmahothsav, organized Clean Coast, Safe Sea Program. 200 students and 16 faculty members of St Joseph Engineering College along with Indian Coast Guards conducted beach cleaning programme at Panambur beach.

A talk on “Role of Public Responsibility to Attain the Clean and Safe Sea”

Date: 5 September 2022

A talk on” Role of Public Responsibility to Attain the Clean and Safe Sea” by Prof Manjunatha, Professor, Department of Marine Geology, Mangaluru University to students and faculty members of St Joseph Engineering College .

On his talk, Prof Manjunatha focused on the impact of micro and Nano pollutants on Marine Life and emphasized on the importance of keeping the sea clean and safe.



‘Skill development, career and research awareness programme’

Date: 31 Dec 2022

Department of Physics, St Joseph Engineering College Mangaluru and Dept of Physics, SDM College Ujire jointly organized ‘Skill development, career and research awareness programme’ for UG students of SDM College Ujire



Workshop on “Physics using MATLAB”

Date: 01 June 2023 & 02 June 2023

Department of Physics in association with SJEC MATLAB, CoreEL Technologies organized Workshop on “Physics using MATLAB for all staff of Physics Department of SJEC. Mr Rakshith B S, Senior Application Engineer-UPT, Technology Solutions Division, CoreEL Technologies- Bengaluru was the resource person



Faculty Development Program on Applied Physics”

Date: 8 June 2023

The Department of Physics, St Joseph Engineering College has organized a “Faculty Development Program on Applied Physics” for faculty of SJEC and nearby colleges .

ACHIEVEMENTS OF FACULTY



Dr Vincent Crasta - Best poster presentation award for the paper titled "Effect of TiO₂/ZnO Nano-fillers on structural and third order non-linear optical properties of PVA" in the international conference on Functional materials for future technology organized by Centre of Functional Materials, VIT Vellore on 19-21 April 2023.

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES



BEST PRACTICES



DEPARTMENT OF CHEMISTRY



Dr K. Jyothi
Professor & HOD -Chemistry

HOD'S MESSAGE

Nurturing creativity and inspiring innovation are two of the key elements of a successful education, and a college magazine is the perfect amalgamation of both. It harnesses the creative energies of the academic community, and distils the essence of their inspired imagination in the most brilliant way possible.

College magazine is a manual that highlights the quality of education and extra-curricular activities that an Institute undertakes to develop all round personality of the students.

My best wishes to all the outgoing students of 2023 batch in their endeavour to achieve their goals. We are confident that our students would justify the credibility of the institute by showing a high level of professional competence in their respective field. We hold firm belief in our ability to succeed, and we nurture an attitude of self-reliance, confidence, commitment and responsibility to serve the motherland.

I join with the staff members of chemistry department to congratulate the Editorial Board for the wonderful job of bringing out this excellent magazine.

ACTIVITIES OF THE DEPARTMENT

Student outreach Programmes

The objective: To develop young minds towards analytical thinking in science topic through experiments and games.



The Department of Chemistry under the banner of ChemAtom Association along with Unnat Bharat Abhiyan, organized student outreach programme to Government High School Hosabettu, Iruvail on 31-10-2022.



Student outreach programme to D. K. Z. P. H Primary School, Sandspit, Bengre, on 8 December 2022.

The FDP on “Scientific Foundations of Health”

The FDP on “Scientific Foundations of Health” was organized by the ChemAtom, Department of Chemistry on 27 February, 28 February and 01 March 2023 at Prerana Hall, AB III.

- Objectives:**
1. To impart knowledge about Good health and its balance for positive mindset
 2. To Create healthy and caring relationships.



Training Programme

Training programme for staff of FMMCH on ‘**Management of Hazardous Chemicals**’ as a part of MOU

Venue: FMMCH, Date: 30-06-2023

Objectives of the Training Program:

- To train the safe handling, usage and disposal of chemicals.
- Training on spill management

ACHIEVEMENTS OF FACULTY

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

No of paper published
2

No of workshops attended
3

No of conferences
11

No of FDP attended
5



Ms Pramila Rita D'Souza: Commendation award for **NCC staff ANO** for coordinating ATC camp by 5 Kar Naval Unit NCC Mangalore 14 Aug -22 Aug 2022.



Ms Prathima S: Best Paper award for the paper entitled "**Synthesis and Corrosion Inhibition studies of new pyrazoline derivative**" in Two-day international conference on recent trends in applied sciences conducted on 3 & 4 August 2022 at Srinivas institute of Technology, Valachil.



DEPARTMENT OF MATHEMATICS



Dr Jagadeesha B
Professor & HOD

HOD'S MESSAGE

“Education is the key to unlocking the world. It is the passport to the freedom” says Oprah Winfrey. Education is a process that causes transformation to better thoughts, better ideas about life and society. Education at SJEC focuses on employability, human values and quality, thereby achieving its motto Service and Excellence. The quality of education at SJEC is certified by accreditation bodies NBA, NAAC etc. The 1000+ placements by renowned companies from the batch of 2023 is another certification to the quality of education in SJEC.

“ I Have always been interested in using mathematics to make the world work better” says Alvin Roth. Every engineer needs to have good knowledge of Mathematics to excel in his field of study as well as his professional life. The Department of Mathematics guides students to achieve excellence in their domain of study by giving them theoretical as well as experiential learning by classroom teaching and MATLAB experiments. MATLAB helps students to visualize, experience each concept in a better way.

Faculty from the Department of Mathematics wish the 2023 batch of students all the best in their future endeavors. We also congratulate the editorial team of Abhiyana for their efforts in bringing out the talents of the college in a beautiful way.

ACTIVITIES OF THE DEPARTMENT

Eco Friendly Art Competition:



Event: Eco Friendly Art Competition

Date: 15 June 2023

Coordinator: Ms. Rachana Crasta

Outreach Program to Government High School, Konepadav, Hosabettu



Date: 8th February 2023

Objective: to enhance the student's soft skills and creativity, hence increase their thinking capacity.

Talk on "Powerful Techniques to Achieve a Positive State of mind"



Resource Person: Ms Disha Rag, Consultant Psychologist

Date: 3 March 2023

Coordinator: Ms Rachana Crasta

Outreach Program to school at Moodbidri



Event: Helping local students to achieve good results and enhance their enrollment in Math Aptitude.

Date: 30 December 2022

Objective: To attend govt. schools and teach them math aptitude to increase their capacity in learning and become smart.

Outreach Program to govt school, Moodbidri



Event: Community service for the students of Government High school, Moodmarnad, Moodbidri

Date: 26 November 2022

FDP on New Concept of Mathematics for Second Year Autonomous Syllabus



Date: 07 November 2022 to 10 November 2022

Coordinator: Dr Ramananda H S, Dean- Student Welfare and Professor Department of Mathematics.

FDP on Fundamentals of Python Programming



Date: 22 July 2022

Resource Person: Ms Nandini Maninarayana, Assistant Professor-Department of ECE, SJEC

Workshop on “Structural and Fluid Flow Analysis using ANSYS Workbench”

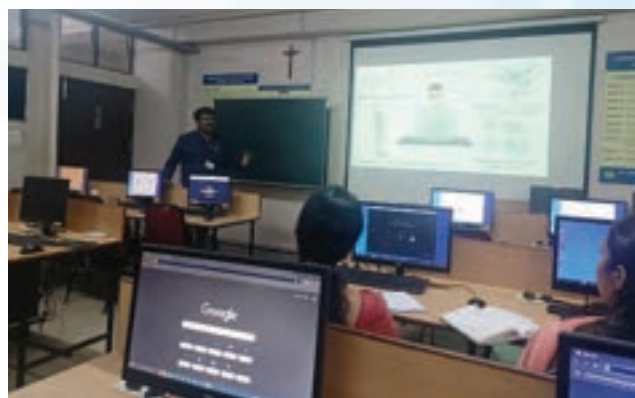


Event: Three day Workshop on “Structural and Fluid Flow Analysis using ANSYS Workbench”

Date: 6 May 2023

Resource Persons: Dr Venkatesh Babu K. P., Department of Mathematics

Workshop on “Intellectual Property Rights and Patentability Search”



Event: Three day Workshop on “Intellectual Property Rights and Patentability Search”

Date: 3 February 2023

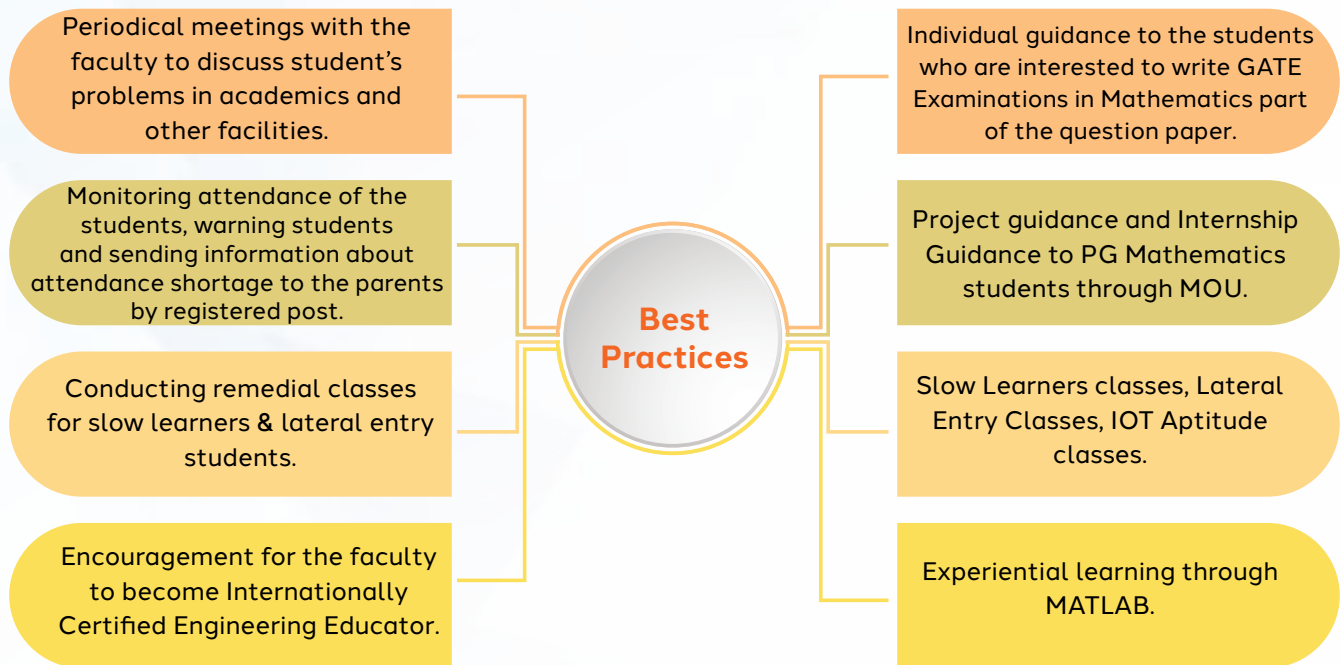
Resource Persons: Dr Venkatesh Babu K. P., Department of Mathematics

ACHIEVEMENTS OF FACULTY

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES



Dr Venkatesh Babu KP successfully defended his Doctoral Thesis entitled **“Numerical Analysis of Durability in High – Temperature Ploymer Electrolyte Membrane Fuel Cell Based on Acid – Based Polybenzimidazole Membrane”** from Christ University on 19 June 2023.



DEPARTMENT OF

BUSINESS ADMINISTRATION



Dr Prakash Pinto
Professor & Dean

HOD'S MESSAGE

As we come together to celebrate another year of academic excellence and personal growth, it is essential to reflect on the ever-evolving landscape of the business world. The present scenario in the business world is characterized by a remarkable transformation driven by technology, globalization, and changing consumer behavior. Digitalization has become the cornerstone of success, empowering organizations to adapt, innovate, and thrive in a rapidly changing environment.

In the ever-changing landscape of business and management, adaptability and innovation are paramount. Our MBA program is designed not only to impart knowledge but also to cultivate essential skills and values that will serve well in professional and personal lives of the students. The curriculum has been carefully curated to equip with the latest insights and practices, ensuring to stay ahead in this dynamic world. Beyond academics, the department believes in the power of diverse experiences and extracurricular activities. Engagement in meaningful dialogues with faculty and peers, participation in industry interactions, and taking up leadership roles will shape not only their career but also a meaningful character.

To our graduating students, we have confidence that you will carry the SJEC legacy with pride and distinction. Your hard work and determination will undoubtedly make us all proud as you embark on new journeys.

The unwavering energy and motivation displayed by our faculty, staff, and students and the collective contributions to both academic and extracurricular activities have been nothing short of inspiring.

Abhiyaana 2023, our annual college magazine beautifully encapsulates the summary of the diverse events and activities that have graced our campus. Congratulations to the exceptional editorial team who worked tirelessly to bring together this wonderful compilation.

Congratulations

TOPPERS

II YEAR MBA



Dhanraj



Ashlin Alisya Rasquinha



Pooja Nayak

1 YEAR MBA



Pournami Shetty



Santhripathi S K



Alisha Linette D Souza

ACTIVITIES OF THE DEPARTMENT

Ingenious-2022 Business Plan Contest



Date: 15th July 2022

Coordinator: Ms Acharya Chitrlekha J

Objective: Showcasing the various innovative ideas of business to motivate students to take up entrepreneurship.

Zephyr-2022: National Level Management Fest



Date: 04th August 2022

Coordinator: Mr. Roopesh

Objective: Showcase student's leadership and organizational skills.

Industry Institute Interface on "Introduction to Customer Experience"



Date: 10th February 2023

Coordinator: Mr. Roopesh

Objective: Discussed the current B2B sales cycle scenario with the help of live case studies from the corporate field.

Outreach Program by II MBA



Date: 11th February 2023 and 17th February 2023

Coordinator: Dr Shakila B

Objective: Impart confidence in the children to bring them together and the program was well received and appreciated by the school authorities and the children.



Industry Interaction Session for MBA-IEV students

Date: 1st September 2022

Coordinator: Dr Prakash Pinto

Objective: To develop the industry connection among the students.

Awareness Programme on Snakes, the ecosystem and us: Its time we change.



Date: 27th February 2023

Coordinator: Mr Nandan B K

Objective: To raise awareness about wild animals

Intrapreneur-2023:A Carnival of Entrepreneurs



Date: 25th February 2023

Coordinator: Ms Manjula K

Objective: The objective is to encourage and promote small business/start-ups.

Genesis Inauguration and Euphoria-Fresher's Day



Date: 8th March 2023

Coordinator: Ms Acharya Chitrlekha J

Objective: To inculcate overall management behaviour among students.

Management Development Programme (MDP) on Python in Office



Date: 11th March 2023

Coordinator: Dr Anjali Ganesh

Objective: To provide a platform to get deeper insights into Python and its utility in the office.

Workshop On "Investment Awareness"



Date: 17th March 2023

Coordinator: Dr Anjali Ganesh

Objective: Creating awareness in students about various investment instruments.

Outbound Training at Nature Bound Sahyadri, Ankola-2023



Date: 10th April to 13th April 2023

Coordinator: Ms Acharya Chitrlekha J

Objective: To bring the students out of their Comfort Zone and away from digital influence, dependency of habits or stimulants.

FDP / WEBINAR / STTP / WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

Papers
Presented by
faculty members
in National
Conferences /
seminars: 5

Papers
published by
faculty members
in Journals: 9

FDP's/
Workshop/Seminar/
Conference/
Webinar attended
by the faculty:
10

NPTL
Courses by
faculty: 2

ACHIEVEMENT OF STUDENTS

Sanath Rai M, Vignesh Prabhu, Suraksha, Zweder Nithesh Aranha, Subramanya- Second year MBA students has secured First Place in Group Discussion conducted on Post Budget Analysis 2023-24 held at Alva's Institute of Engineering and Technology, Mijar on 24th February 2023.



Haveena Mendonca has secured the First Place in Best Manager at State Level Management Fest "AGON-2022" organised by Alva's Institute of Engineering and Technology Mangaluru on 28th and 29th July 2022.



Avani K, Akshatha P, Donald Crasta, Shravan S, Geetha Laxmi, Sanath M, Kavya Poojary, Alison Fernandes, Uma Mallya has secured the Overall Runners at the Two-day National Level Post Graduate Commerce and Management Fest "Magnum -2022" organized by Department of Commerce, Mangalore University, Mangaluru on 13th and 14th July 2022.



Sneha and Monisha J has secured the First Place in Marketing Event at State Level Management Fest "AGON-2022" organised by Alva's Institute of Engineering and Technology Mangaluru on 28th and 29th July 2022.



Mehak Muneera Khader and Ashel D'Souza has secured second place in Marketing event organised by Srinivas Institute of Technology , Mangaluru held on 23rd and 24th May 2023.



Glen Fernandes, Mehak Muneera Khader and Ashel D'Souza has secured First Place in HR event held on 5th and 6th May 2023 at Shree Devi Institute of Technology.

Dhyan Salian, Amin Adesh Chandrashekar, Anudeep Kolpe has secured Second Place in Best Management Team event held as a part of Echelon 2023 on 5th and 6th May 2023 at Shree Devi Institute of Technology.

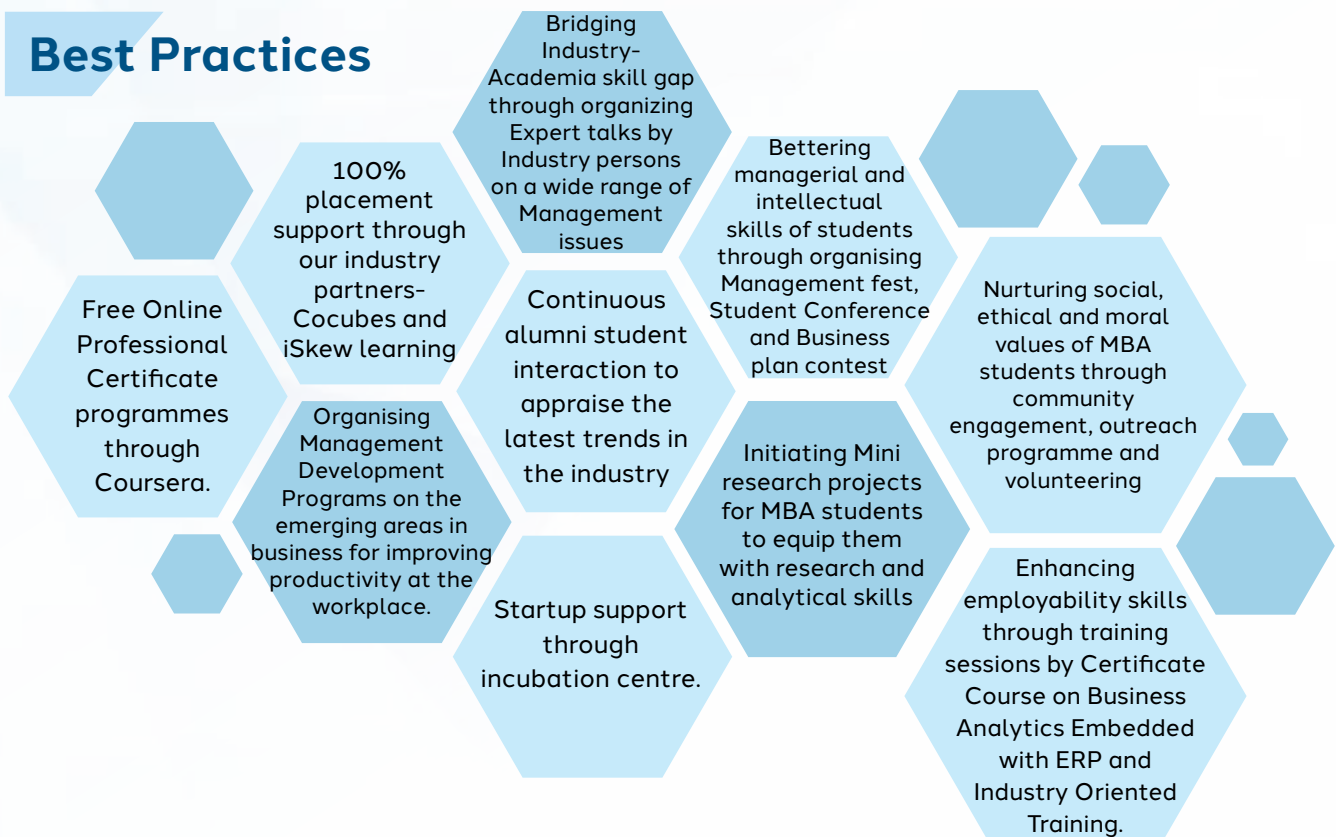


Rashmi Anchan and Spandana S N has secured second place in Movie Auction event held on 5th and 6th May 2023 at Shree Devi Institute of Technology.



Janvi Kotian and Disha secured second place in Brand Rangoli event held on 5th and 6th May 2023 at Shree Devi Institute of Technology.

Best Practices



DEPARTMENT OF

COMPUTER APPLICATIONS



Dr Hareesha B

Associate Professor & HOD

HOD'S MESSAGE

Dear Abhiyaana Editorial Team,

The department of computer applications is renowned for its expertise and commitment to meet the global needs and challenges by establishing a collaborative partnership between industry and community. We believe that such a collaboration would greatly benefit both our organizations and the wider community we serve.

The department is strengthened with additional intake and infrastructures. We have been consistently working towards quality education to meet the needs of the stakeholders. The placement achievements put on great laurels to the department. As we continue to make significant strides in our field, we recognize the importance of effective communication and public engagement. The MOOC courses, workshops and other extracurricular activities sharpened the technical and managerial skills of our students. The autonomy curriculum also given lot of opportunities to the students to explore the internship and project opportunities within and outside the organization. Our faculty, staff and students were committed to the service and excellence and able to contribute to the institution in their own way.

“Abhiyaana” our esteemed magazine has consistently demonstrated a dedication to delivering high-quality content and reaching a broad audience. “Abhiyaana” is a pride documentary of our institution which bundled with insightful articles, thought-provoking features, and engaging storytelling offers to all faculty and student fraternity.

Congratulations

TOPPERS

BATCH 2020-22



AFRATH AMAN



**PANCHMAL
SHANTHADURGA KAMATH**



VINUTHA

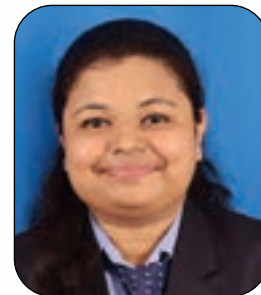
BATCH 2021-23



NISHAN



HARISHREE



YASHASWI

ACTIVITIES OF THE DEPARTMENT



The orientation program for the newly admitted MCA students was organized from 6th February 2023 to 8th February 2023. Distinguished resource persons from industry & college participated in this program. The fresh batch of students actively participated in the event.



The Freshers day Function was conducted for MCA 2022-2024 Batch on 1st March 2023 in Kalam Auditorium. The function was organized by Technocrats, a student association of MCA.



IEEE Student Chapter in association with the Department of Computer Applications organized a technical talk on the topic **“Innovation and Intellectual Property Rights”** for first year MCA students on 13th October 2022 by Dr. Purushothama Chippar Vice Principal SJEC.

The Department of MCA conducted an orientation program for the newly joined faculty from 6th February 2023 to 8th February 2023.

Industrial visits for students of Third Year



Date: 11th April 2023

The department organized an industrial visit for the students of second year to Cybrosys Technologies, Kinfra Techno Park, Calicut, 2 faculty members were accompanied 52 students.

FDP/ WEBINAR/STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES

FDP
15

ONLINE
COURSE /
Webinar : 2

WORKSHOPS:
7

INTER-
NATIONAL
JOURNAL
7

ACHIEVEMENT OF STUDENTS

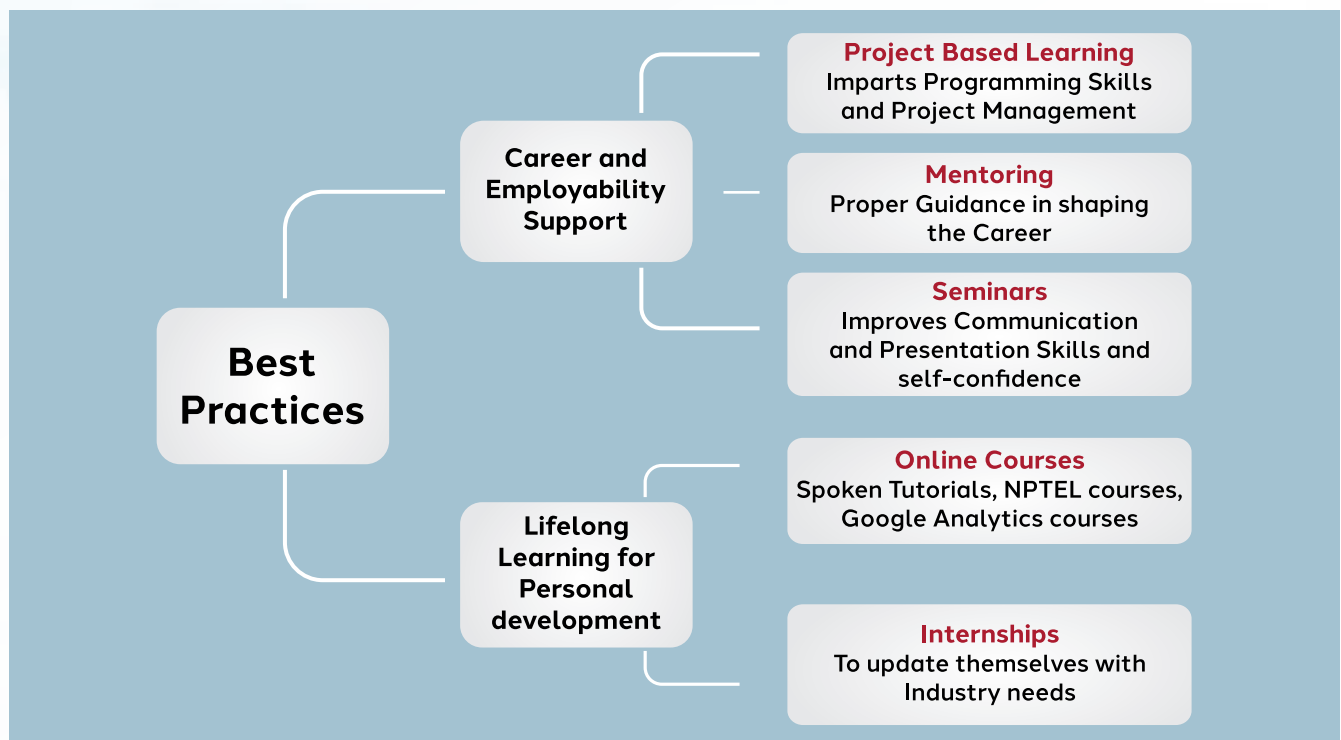


AFRATH AMAN, MCA Student of MCA(2020-2022 batch) secured the 10th Rank in University Examinations conducted by Visvesvaraya Technological university(VTU) belgaum for the year 2021-2022.

The Department of Computer Applications of SDIT, Kenjar conducted their annual Intercollegiate Technical Fest Medha 2022 on 2nd July 2022. MCA students have secured **overall championship**.



The Department of Computer Applications of NITTE, Karkala conducted their annual Intercollegiate Technical Fest Semaphore-2023 on 5th and 6th Jan 2023. MCA students have secured **runners up**.



DEPARTMENT OF PHYSICAL EDUCATION



Ms Vaneesha V Rodrigues
Physical Education Director

“You don’t have to be great to start, you have to start to be great.”

-Zig Ziglar

Having positive attitude towards the performance our College Teams and Athletes did everything to be better than what they were.

Over the years the college has achieved continuous success and has made its mark in academic, sports and cultural fields. Physical Education Department gives ample opportunity to every student to participate in sports and games competitions by participating in various VTU Intercollegiate sports as well as leisure by conducting Inter class sports in various sports events all-round the year.

I’m proud to present the report of sports participation and achievements of the students in various sports.

“Work hard in silence, let your success be your noise.”

I wish everyone, especially the outgoing batch of SJEC all the very best for achieving greater success.



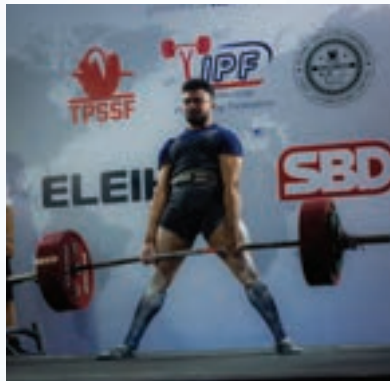
OUTSTANDING ACHIEVEMENTS IN SPORTS (2022-23)



Mr Abdul Mukshith III year Mechanical secured **Third Place** in Karnataka State Junior Boys Taekwondo Championship 2022 from 25 to 28 August 2022 at Sree Kanteerava Indoor Stadium, Bengaluru and also **First Place** in Karnataka State above 18 years Kyorugi Category Taekwondo Championship 2022

from 3 to 4 December 2022 at Chikkajala, Bengaluru.

Mr Aren Joy Fernandes IV year E&C represented India and secured **1st Place** in deadlift in World Classic Powerlifting Championship held at Istanbul, Turkey from 27 August to 4 September 2022.



Mr Aren Joy Fernandes IV year E&C represented Karnataka and secured **1st Place** in National Classic Powerlifting Championship held at Chandrapur from 12 to 16 October 2022, by Lifting Squat 245.5 Kg with Silver Medal in Squat,

Bench Press 125 Kg, Deadlift 295 kg with Gold Medal and Created a New National Record in his name. Over all he secured Gold medal with Total lifting weight of 665.5 Kg with National Record even in Total Weight.

Mr Devi Kiran Shetty III year AIML secured **First Place** in below 102 kg category in VTU State Level Weightlifting Championship held at GAT Bengaluru on 28 & 29 October 2022.



Mr Adarsh III year AIML student participated in VTU State Level Archery Championship held at RVCE, Bengaluru on 31 October 2022.

SJEC Men team participated in VTU State Level Swimming Competition held at BMSCE, Bengaluru 2 November 2022.



SJEC Men and Women Table Tennis team participated in VTU Mangaluru Division Table Tennis Tournament held at SDIT Kenjar on 2 November 2022. SJEC



Men Team secured **Runners Up** in the tournament and represented VTU State Level

Table Tennis tournament held at VVCE, Mysuru on 6 November 2022.





SJEC Men and Women team was participated in VTU Mangaluru Division Shuttle Badminton Tournament held at NMAMIT, Nitte on 4 November 2022. SJEC Women Shuttle team secured the **Runners Up** in VTU Mangaluru Division Women Shuttle Badminton Tournament and also participated in the VTU State Level Shuttle Badminton Tournament held at BMSCE, Bengaluru on 8 & 9 November 2022.



SJEC Men Hockey team selected to participate in the VTU State Level and secured **II Runners Up** in the VTU State Level Hockey Tournament held at BITM, Bellary on 6 & 7 December 2022.



SJEC Women Hockey Team Secured **Runners Up** in State Level Hockey Tournament held at Sri Sairam CE, Bengaluru on 9 & 10 November 2022.



SJEC Men Kabaddi team secured **III Ruuner up** in VTU Mangaluru Division Kabaddi Tournament held at VVCE, Puttur on 5 & 6 November 2022.



SJEC Men Hockey team participated and Secured **Winners** in VTU Mangaluru Division Hockey Tournament held at NMAMIT, Nitte on 11 November 2022.



Mr Daniel Salvatore Concessao of I year CSE participated in State Level Skating selection Trials Organised by K.R.S.A held at Bengaluru from 16 to 19 November 2022. He has won **1 Place** in PIONT TO PIONT (road) inline 10,000 mtr, **Third place** in PIONT TO PIONT +E inline 10,000 mtr and **Third place** in ELIMINATION (road)

inline 15,000 mtr Skating Championship.



SJEC Men Volleyball team secured **Winners** in VTU Mangaluru Division Men's Volleyball Tournament and held at VCET, Puttur on 17 & 18 November 2022. SJEC Men Volleyball team selected to participate in the VTU State Level and secured **Winners** in VTU State Level Volleyball Tournament held at AIT, Chikkamagaluru on 21 & 22 November 2022.



SJEC Men Basketball team participated and Secured **Runners Up** in VTU Mangaluru Division Basketball Tournament held at NMAMIT, Nitte on 28 November 2022 and also participated in the VTU State Level Basketball Tournament held at NMIT, Bengaluru from 1 to 3 December 2022.



SJEC Women Volleyball team entered the quarter finals in VTU Rest of Bengaluru Division Women's Volleyball Tournament held at PESCE, Mandya on 24 & 25 November 2022.



SJEC Men Football team participated in VTU Mangaluru Division Football Tournament held at PACE, Konaje on 5 & 6 December 2022.



Mr Aren Joy Fernandes IV year E&C represented India in Asian Junior Powerlifting Championship held in Dubai, UAE from 27 November to 8 December 2022. He secured **Gold Medal** in below 74 Kg category Powerlifting Championship by Lifting Squat 240 Kg with Bronze Medal in Squat, Bench Press 145 Kg Deadlift

309 Kg with **Gold Medal** and Created a New World Record in his name in deadlift. Overall he secured the Gold medal with a Total lifting weight of 694 Kg. He has also been honoured with the title **BEST LIFTER Junior Men 2022**.



SJEC Women Basketball Team Secured **Runners up** in the VTU Rest of Bengaluru Division Basketball Tournament held at ATME, Mysuru on 6 & 7 December 2022 and also participated in VTU State Level Basketball Tournament held at ATME, Mysuru on 8 December 2022.



SJEC Men Wrestling team participated in VTU State Level Wrestling Championship organized by VVCE, Mysuru on 12 & 13 December 2022. Our College wrestling team Bagged the **Winners** in Overall Wrestling Championship.



Mr Nandeesh Vasanth Patgar, III year Electronics & Communication Engineering secured **Third Place** in below 65 kg category wrestling Championship.



Mr Mohammed Ismail Jaseem, IV Year Mechanical Engineering secured **First Place** in below 57 kg category Wrestling Championship.

SJEC Men Chess team participated secured **Fifth Place** in VTU Rest of Bengaluru Division Chess Championship held at VTU RO, Mysuru on 1 & 2 December 2022 and team also participated in the VTU State Level Chess Championship held at NMAMIT, Nitte on 5 December 2022.



Mr Mohammed Mazar, IV year Civil Engineering secured **First Place** in below 74 kg category wrestling Championship.



Mr Adle Nelson, IV year Mechanical Engineering, represented VTU in South Zone Hockey Tournament held at Bengaluru City University, Bengaluru from 11 to 16 December 2022.



Mr Hussain Shabandri, II year Civil Engineering secured **First Place** in above 100 kg category wrestling Championship.

SJEC Men Taekwondo team participated in VTU State Level Taekwondo Championship held at SIT, Tumkur on 20 & 21 December 2022. **Mr Mohammed Mazar**, IV year Civil Engineering secured **Third Place** in below 74 kg category Taekwondo Championship.



Mr Mohammed Almaz Ibrahim, IV year Civil Engineering secured **Third Place** in below 79 kg category wrestling Championship.



Mr Abhishek V Shetty, IV year Computer Science Engineering, and **Mr Abdul Wafi**, II year Civil Engineering represented VTU in South Zone Volleyball Tournament held at SRM University Kattankulthur (TN) from 23 to 27 December 2022.



Mr Mohammed Mazar, III year Civil Engineering and **Mr Hussain Shabandri**, II year Civil Engineering represented VTU in All India Inter University Wrestling Championship held at Shivaji University, Kolhapur (MH) from 22 to 24 January 2023.



Ms Prakruthi Ponnamma CM, IV year Computer Science Engineering, **Ms Alva Shwetha Shivaprasad**, III year Computer Science Engineering, **Ms Hrithika CM**, III year Electronics & Communications Engineering and **Ms Clancy D'Souza**, II year Computer Science Engineering represented VTU in South Zone Hockey Tournament held at The Tamil Nadu Dr Ambedkar Law University, Chennai (TN) from 28 to 30 December 2022.

Mr Alden Mark Alvares, II year Mechanical Engineering represented VTU in All India Inter University Netball Tournament held at Kanataka State Law University Hubli from 14 to 17 February 2023.



Mr Daniel Salvadore Concessao, I year Computer Science Engineering represented VTU in All India Inter University Skating Championship held at Andhra University, Vishakapatnam from 16 to 19 February 2023.



SJEC Men Volleyball team secured the **Runners up** with cash prize of Rs 50000/- in the State level TORPEDOES CAMPUS VOLLEY volleyball tournament from 06 to 08 January 2023 at Atria Institute of Engineering Bengaluru.

Mr Dileep Ballal, IV year Civil represented VTU in South Zone Inter University Cricket Tournament held at REVA University, Bengaluru from 20 February to 3 March 2023.





SJEC Men Softball team participated in VTU Rest of Bengaluru Division Softball Tournament held at SJBIT, Chitradurga on 2 March 2023.



SJEC Men Cricket team has secured **Third Place** in VTU Mangaluru Division Cricket tournament held on 15, 18 & 19 March 2023 at NMAMIT, Nitte



SJEC Men Handball team secured **Winners** in VTU Mangaluru Division Handball Tournament held at SJEC, Mangaluru on 10 March 2023 and represented VTU State Level Handball tournament held at Brindavan CE, Bengaluru on 13 March 2023. **Mr Sharon S Perumayan** from SJEC Mangaluru was awarded the **Best shooter** of the tournament Mr Jason Allen from SJEC Mangaluru was awarded the **Best Goal Keeper** of the tournament.



SJEC Men Netball teams participated in VTU Netball tournament. SJEC Men Netball team secured **Third Place** in VTU Rest of Bengaluru Division Netball tournament on 29 March 2023 and **Winners** in VTU State Level Netball tournament on 30 March 2023 at SJEC, Mangaluru, **Mr Alden Alvares** from SJEC Mangaluru was awarded the **Best shooter** of the tournament.



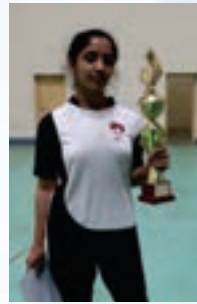
SJEC Women Throwball team has secured **Runners up** in VTU Mangaluru Division Throwball tournament held on 13 March 2023 at AJIT Kottara and represented VTU State Level Throwball tournament held at Sai Vidya IT, Bengaluru on 18 March 2023



SJEC Women Netball team secured **Winners** in VTU State Level Netball tournament on 29 & 30 March



2023 at SJEC, Mangaluru, Ms Neha from SJEC Mangaluru was awarded the **Best shooter** of the tournament.



Ms Jaslyn Shona D'Souza, 11 year AIML secured **1st Place** in below 55 kg category Shai National Level Open Kung-Fu Championship -2023 on 26 February 2023 at Hosur Tamilnadu.



Mr Lawin Rodrigues, 11 year CSBS secured **1st Place** in below 65 kg category Shai National Level Open Kung-Fu Championship -2023 on 26 February 2023 at Hosur Tamilnadu.



2nd Place in below 65 kg category S a n s h o u

District Level Open Kung-Fu Championship -2023 on 5 March 2023 at Urwa, Mangaluru.

Secured **1st Place** in below 50 kg category Sanshou District Level Open Kung-Fu Championship -2023 on 5 March 2023 at Urwa, Mangaluru.



SJEC Men & Women Athletic team participated in VTU Single Zone Athletic Meet held at VTU Belagavi from 21 to 24 May 2023. SJEC Women Relay team secured **3rd place** in 4X100 Relay Ms Lipsy Anlin Jacob Nazareth - I/AIML, Ms Sushritha -I / ECE, Ms Sherol Chrissel D Souza - I / CSDS and Shubhra Rai D -I / CSBS.



VTU State Level Men Selection Trials 2023

The VTU State Level Men Selection Trials 2023 was organised on 07 February 2023. Tournament was inaugurated at the College Main Ground on 07 February 2023, Dr Rio D'Souza, Principal was the chief guest and Rev. Fr Alwyn Richard D'souza Director in charge, Vice Principal Dr Purushothama Chippar and Dean Student Welfare Dr Ramananada HS were the guests of honour of the programme.

A total of 31 players participated in the selection trails (from 11 colleges). Best 12 were selected according to the playing positions as well as 5 Standby names were announced on the spot to the participants.



VTU Mangaluru Division Handball Tournament 2023

The VTU Mangaluru Division Handball Tournament 2023 was organised on 10 March 2023. Tournament was inaugurated at the College Main ground on 10 March at 10:00 am, Dr Ramananda H S Professor & Dean SW was the Chief Guest, Rev Fr Wilfred Prakash D'Souza, Director, SJEC presided over the programme. **SJEC, Vamanjoor** emerged as the **Winners** of the tournament while **SDMIT Ujire** bagged the Runners up Trophy. **Mr Sharon** of SJEC was awarded **Best All-rounder**, **Mr Sthish – SDMIT Ujire** was awarded **Best Defender** and **Mr Jason -SJEC** was



awarded **Best Goal Keeper** of VTU Mangaluru Division Handball Tournament 2023.



VTU REST OF BENGALURU DIVISION (M)

& STATE LEVEL (M&W) NETBALL TOURNAMENT 2023

The VTU Rest of Bengaluru Division (M) & State Level (M&W) Netball Tournament 2023 was organized on 29 & 30 March 2023.

SDMIT Ujire emerged as the Winners of the tournament while MCE, Hassan bagged the Runners up Trophy SJEK Mangaluru Third and KLEIT, Hubballi Fourth Place Best Shooter Mr Suhas from SDMIT Ujire Best Defender Mr Sunil VJ from MCE Hassan.

SJEC, Mangaluru emerged as the **Winners** of the tournament while EWIT, Bengaluru bagged the Runners up Trophy GAT, Bengaluru Third and NIE IT, Mysuru Fourth Place **Best Shooter** was awarded to **Ms Neha from SJEC** Mangaluru **Best Defender Ms Swetha EWIT**, Bengaluru.

The VTU State Level (M) Tournament was inaugurated at the College Main ground on 30 March. Eight teams had participated in the VTU State Level Men tournament. **SJEC, Mangaluru** emerged as the Winners of the tournament while **MCE, Hassan** bagged the **Runners up** Trophy SDMIT, Ujire Third and RVCE, Bengaluru Fourth Place **Best**

Shooter was awarded to **Mr Alden Alvares** from SJEC Mangaluru **Best Defender Mr Allen Lobo** RV CE Bengaluru.



Yoga Hour-2023

The Department of Physical Education along with Wellness & Sports Group conducted Yoga Hour -2023 a Meditation session as a part of International Yoga Day-2023 on 21 June 2023 in the College campus for all the staff & students from 4.00pm to 5.00 pm. Ms Vaneesha V Rodrigues PED & Mr Poornesh M Sports advisor were the Coordinators. Ms Himani Kishan Raj compered the program. Dr Ramananda HS Dean SW was the yoga tutor for the session.





ANNUAL ATHLETIC MEET *Go For Gold - 2023*

15 March 2023 at SJEC Grounds

Ms Sylvina Cecil Pais
International Athlete,
Ekalavya and Dasara Awardee
was the Chief Guest



Independence Day 2022

On the auspicious occasion of 'Azadi Ka Amrit Mahotshav, St Joseph Engineering College (SJEC), Mangaluru celebrated India's 75 Glorious years of Independence with great joy and pomp on 15 August, 2022 at the College Basketball Court.

Air Commodore Sunil Krishna Pai (Retd) graced the occasion as the Chief Guest and Lt Commander Bharath Kumar, Commanding Officer, 5 KAR,

NCC Unit, Mangalore along with Lt Col VD Chacko the Deputy Camp commander of Navy ATC camp, Rev. Fr Wilfred Prakash D'Souza, Director of SJEC, Rev. Fr Alwyn Richard D'Souza, Assistant Director of SJEC, Dr Rio D'Souza, Principal of SJEC were the Guests of Honour. Dr Ramananda H S, Dean Student Welfare and

Ms Lauline D'Souza, Convener of the programme escorted the dignitaries from the Quadrangle to the Basketball Court along with the College Band. The dignitaries were escorted to the flag post by Leading Cadet Alva Shwetha and Cadet Manoj V S. Dr Ramananda HS, Dean – Student Welfare expressed the words of gratitude and Ms Shwetha S Kunte of second year ECE compered the programme. The Chief Guest along with the dignitaries planted a sapling in the college campus to mark the desire to preserve and protect the environment.

The programme imbibed the spirit of patriotism among the people. Sweets were distributed to all at the end of the programme.



Republic Day 2023

The 74th Republic Day of our Nation was celebrated with pomp and show, zeal and spirit in SJEC at 8:30 am in the Basketball Court. Dr Dayakshini Head, Department of Electronics and Communication Engineering – SJEC graced the occasion as the Chief Guest. Rev. Fr. Alwyn Richard D'Souza Director In charge – SJEC, Dr Rio D'Souza, Principal – SJEC were the other dignitaries present for the occasion.

The highlight of the day was the presence of SJEC NCC Naval and Air Wing Cadets along with SJEC College Band.

Sweets were distributed to all at the end of the programme. The function was compered by Ms Apeksha, III Year Computer Science Engineering.





CENTRAL LIBRARY



**“Google can bring you back 100,000 answers,
a Library can bring you back the right one.”**

- Neil Gaiman

Striving constantly for excellence, an endless pursuit of perfection and progress, with innovation and creativity has always been part of the work culture of our great Institution. The Central Library being a high-tech information provider makes use of emerging technologies to provide quality infrastructure and offer ICT-based library services that constantly support the teaching, learning, research, and innovation activities of the Institute.

The College Magazine “Abhiyaana” is indeed a precious document that preserves the words and vision of our talented students as budding writers, thinkers, and poets.

I congratulate the editorial team and appreciate their dedication.

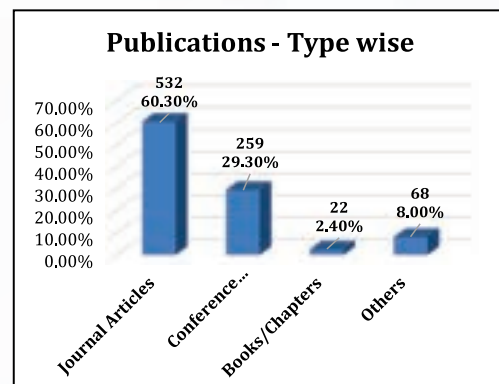
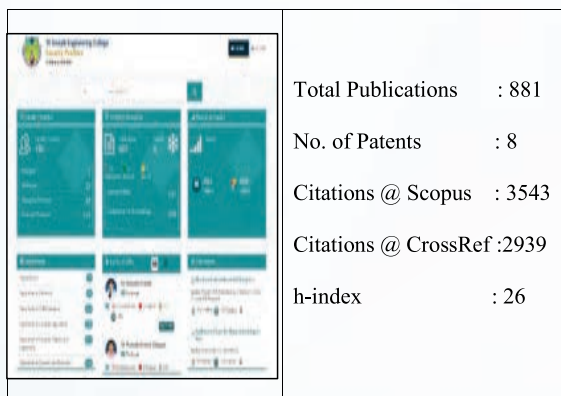
Dr Felcy D’Souza
Librarian



Central Library of SJEC is a “Gateway to Discover, Explore and Learn”. The Library being one of the best technical libraries in the region provides seamless access to scholarly resources, and state-of-the-art facilities, and offers innovative services to its stakeholders. Its collection of above 50000 volumes with 11000+ titles, 100+ printed technical journals, and more than 21000+ e-journals/e-books is used by more than 2700 members including alumni and visitors. The Library provides a very conducive environment for study, reading, innovative research, and collaborative activities in the Library. The Library frequently promotes its resources by conducting library orientation, book exhibitions/competitions, user

awareness quizzes & programmes, and workshops for its stakeholders. The Library is also an active member of Consortium, DELNET, and the National Digital Library of India (NDLI) Club.

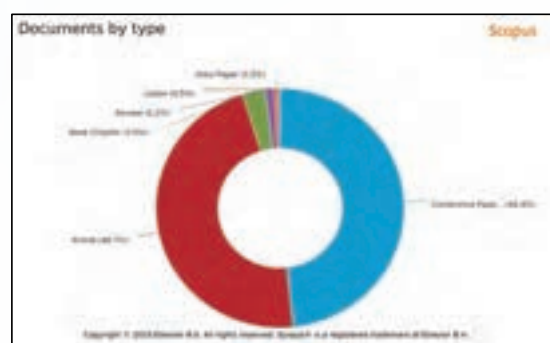
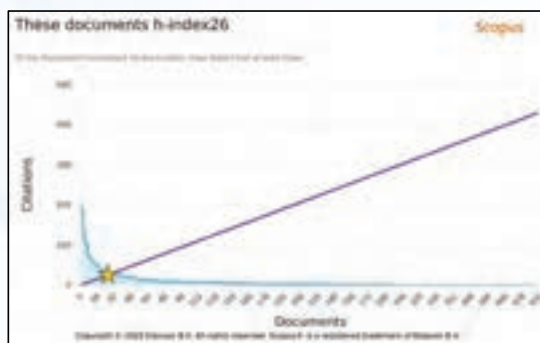
RESEARCH PRODUCTIVITY OF SJEC AS PER IRINS FACULTY PROFILE AT <https://sjec.irins.org/> AS ON JULY 2023.



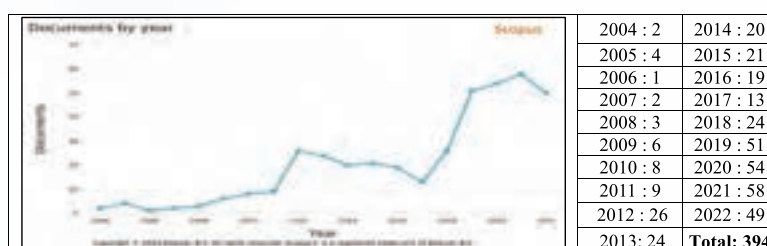
CITATIONS PROFILE OF SJEC @ SCOPUS AS OF JULY 2023

h-index: 26

Publications @ Scopus – Type wise



Growth of Publications @ Scopus – Year wise



ACHIEVEMENTS



Dr Felcy D'Souza, Librarian was presented the **BEST PAPER AWARD** for her paper on "Research Information Management System at St Joseph Engineering College: An Analysis". (Professional Category-1st Prize) in the 5th National Conference on Management of Modern Libraries-2023 on the theme "User-Centric Library Systems and Services: Trends & Challenges" organized by SEARCH- The KMC Health Sciences Library and Department of Library & Information Science, Manipal Academy of Higher Education, Manipal from 3rd -4th February 2023.



Dr Felcy D'Souza attended IS/ISO 9001:2015 Quality Management Systems (QMS) Internal Auditor Training Course TUV INDIA PRIVATE LIMITED conducted by SJEC on 24th – 25th April 2023 and received an ISO-certified Internal Auditor Certificate.

PAPER PRESENTED IN NATIONAL CONFERENCE

Dr Felcy D'Souza Librarian presented a paper on "Research Information Management System at St Joseph Engineering College: An Analysis" at the 5th National Conference on Management of Modern Libraries (NACML)-2023 on the Theme "User-Centric Library Systems and Services: Trends and Challenges" organized by SEARCH-The KMC Health Science Library and Department of Library & Information Science, Manipal Academy of Higher Education, Manipal form 3rd- 4th February 2023.

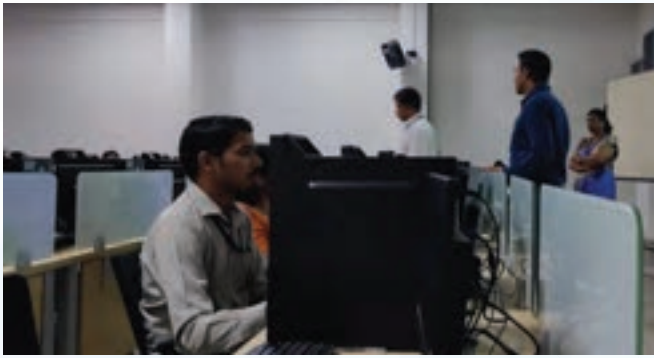
WEBINAR / STTP/ WORKSHOP / ONLINE COURSES ATTENDED BY FACULTIES



ORIENTATION/WEBINARS /TRAINING PROGRAMMS/ WORKSHOPS CONDUCTED



The Fifth Volume of the "**Compendium of Research Publications 2020-2021**" compiled & edited by Dr Felcy D'Souza, published by SJEC was released on 9th September 2022.



Session on **IRINS (Indian Research Information Network System): Registration and Usefulness** was organized by the IQAC in association with LLG on 14th September 2022, from 2:30 - 4:00 PM @ MBA Laboratory. Dr Felcy D'Souza, Librarian SJEC was the Resource Person.



A Session on **“Literature Review: Tips & Tools”** was delivered to the 3rd sem Mech students during the **“Internship Program on Literature Search”** on 02nd June 2023. Dr Felcy D'Souza was the Resource Person.



User Awareness Program on **“Academic Integrity, Plagiarism and Best Practices”** was organized by Library and Learning Group and Research and Facilities Group in association with Turnitin through VTU Consortium on 2nd Feb, 2023. Mr Akshay Prasanna, Senior Consultant, PES-South Asia, Turnitin, Bengaluru was the Resource Person.



Library & Learning Group in association with the Department of Civil Engineering organized a **“Meet The Author”** talk on 15th June 2023 at Kalam Auditorium. Prof. S S Bhavikatti who has authored 75 textbooks was the Resource Person. Prof. Bhavikatti also visited the library and signed on the books on Civil Engineering authored by him.



Session on **“Mendeley - Reference Management Software”** organized by the Department of Mechanical Engineering in association with Library & Learning Group on 14th March 2023. Dr. Felcy Dsouza was the Resource Person.

BEST USER AWARD



Based on the monthly Library Awareness Quiz, the best user award was bagged by **Melissa Andria Dsouza**, I Sem AIML and **Cedric P Fernandes**, I Sem E&C during the college annual day on 25th March 2023.

SJEC

ExtraVaganza



FIRST YEAR BE INAUGURATION-2022

The inauguration of classes for First Year BE, for the academic year 2022-23, at St Joseph Engineering College (SJEC), Vamanjoor, was held on Monday November 28 in Kalam Auditorium, Academic Block II.

Mr Giridhar Salian, Director, Karnataka German Technical Training Institute (KGTI), graced the occasion as the chief guest. Rev. Fr Wilfred Prakash D'Souza, Director SJEC, presided over the ceremony. Dr Rio D'Souza, Principal, SJEC, Dr K Jyothi, Professor and Head of the department of Chemistry and Ms Pramila R D'Souza, the convener of the programme, were the other dignitaries on the dais.

Dr Rio D'Souza, welcomed the gathering to the inaugural ceremony and the new batch of students to the family of Josephites.

The chief guest and other dignitaries on the dais formally inaugurated the program by lighting the lamp. Vivian D'Souza, Ayman Sheik Zaheer, Sheldon Angelo Menezes, Tharakan Vidya Ravunni and Joshua Dylan Fernandes were honoured by the chief guest as toppers of the orientation programme on the occasion.

Mr Giridhar Salian began his address by welcoming the first year students to SJEC. He asked the students to be energetic and showcase commitment and hard work to their cause of becoming qualified Engineers. He stressed about team work which will help to complete good projects and help in nation building.

In his presidential address, Rev. Fr Wilfred Prakash D'Souza, welcomed the first-year students to SJEC family and spoke about the commitment of the institution to provide quality education to its students. He thanked the chief guest for motivating the students. The director wished all the first year students the very best in all their academic endeavours in SJEC.

Ms Pramila R D'Souza, the convener of the program offered vote of thanks. Ms Smitha D'Souza and Ms Himani compered the programme. The inaugural ceremony was followed by an orientation programme, in which the heads of all departments showcased their individual departments to the new students.



MILAN 2022



MILAN 2022 – A Desi Extravaganza was celebrated on 16 December 2022 in the SJEC campus to commemorate the importance and embrace the cultural fusion that unites our nation. This year's edition of MILAN focuses on the students and the staff flaunting their various talents on the grand stage showcasing the fusion of the cultures of our diverse nation under the theme of "A Desi Extravaganza".

On the morning of MILAN 2022, hosts inaugurated the event at the SJEC Basketball Court at 9AM. The Punjabi Dhol led a procession, followed by the annual lamp lighting and a speech by the principal. A student-led Flash Mob and welcoming games for staff and students ensued, concluding with celebratory beats from the Punjabi Dhol.

Various competitions - Rangmanch were organized for both staff and students from 10:30 A.M. to 1:00 P.M. At 3:15 P.M., The Inauguration of the Cultural Programme "Saanj" of the event began with the daring performance of the Nasik Band led by a grand procession consisting of various costumes and props all the way from the Transport Office to the Quadrangle and concluded again by the Nasik Band's wonderful beats and leaps.

The Cultural Programme "Sangam" commenced at 4:30 P.M. with introductory words from the management, followed by a series of captivating performances that highlighted the rich artistic traditions of India. The program featured a mesmerizing Marathi folk dance called "Lavani," the graceful classical dance form of Kerala known as "Mohiniyattam," and a dynamic fusion dance showcasing styles such as "Manipuri," "Kodava," "Bhangra," and "Garba." The staff members delighted the audience with energetic Bollywood dance moves and a captivating Rajasthani "Kalbeliya" dance performance. To conclude the event, an exhilarating DJ Night was organized, allowing the students to revel in the celebration.

Graduation Day - 2022

The Seventeenth Graduation Ceremony of SJEC, was held on Friday, January 13th in the open-air stage of the college.

The ceremony witnessed the awarding of graduation certificates by the institution to the Class of 2022 comprising 492 Undergraduates (BE) and 176 Postgraduates (MBA, MCA and PhD).

Dr Gopalkrishna, Executive Director, Karnataka State Higher Education Council, graced the occasion as chief guest and presented the degree certificates to the graduands. Ajay Nath, Senior Deputy Director, Chennai Port, was the guest of honour on the occasion. Dr Peter Paul Saldanha, Bishop of Mangalore diocese and president of SJEC, presided over the ceremony.

Fr Wilfred Prakash D'Souza, Director of SJEC, welcomed the graduands from the class of 2022 and dignitaries to the graduation ceremony. Dr Rio D'Souza, Principal of SJEC introduced the chief guest and the guest of honour.

Ajay Nath spoke about his own experiences and recalled his days as a student. He called upon the students to be flexible and be ready to face the challenges.

Dr Gopalkrishna, in his address, mentioned that institution is a place to redefine the purpose of teaching and learning. Dr Rio D'Souza administered the graduation oath. Vinutha, graduand from the department of computer applications and Ovin, graduand from the department of civil engineering, were the valedictorians from the class of 2022 and delivered the valedictorian addresses.

Scholastic achievers and sports achievers were recognized and awarded by Bishop Dr Peter Paul Saldanha.

Delivering the presidential address, the bishop said that do not be afraid of failure but fear about the chance you missed, as you have completed one challenge and there are more to come.

Fr Alwyn Richard D'Souza, Assistant Director of SJEC, Dr Purushothama Chippar, Vice Principal, SJEC, Rakesh Lobo, HR manager of SJEC and Manjunath B, co-convenor of the event were also present.

Renuka Tantry, convener of the programme offered the vote of thanks. Himani, Asst. Prof. EEE and Rohith, Asst. Prof. Civil Engg compered the programme.



Foundation Day-2023



Commemorating the Twenty-Second Anniversary of laying the foundation stone of St Joseph Engineering College (SJEC), the college hosted its annual Foundation Day Lecture on 11 February 2023 at 9:30 AM in Prerana Hall of the college. Dr Krishna Venkatesh, Director, Centre for Incubation, Innovation, Research and Consultancy, Jyothy Institute of Technology, Bengaluru, delivered the Foundation Day Lecture on the topic “Fostering Research and Innovation in Engineering through a Multidisciplinary Mode”.

The program began with a warm welcome from Dr. Purushottham Chippar, Vice Principal and Dean of Research and Development. During his lecture, Dr. Krishna Venkatesh discussed the changes in research and academic practices that have occurred since the year 2000 and the various career options that are now available. He emphasized the importance of multidisciplinary learning, which is not often provided by other institutions, but is offered at SJEC through the utilization of the AICTE IDEA Lab facilities available on campus.

He also brought attention to the lack of multidisciplinary education infrastructure in India, and pointed out that due to the rapidly evolving education landscape, there is no such thing as a permanent job anymore.

Rev. Fr Alwyn Richard D'Souza, Assistant Director, Dr Rio D'Souza, Principal, Dr Purushottham Chippar, Vice Principal, Mr Rakesh Lobo, HR Manager, were present during the occasion. Dr ESTR Chandrashekar, Professor, Department of Civil Engineering, moderated the lecture. Ms Jayalakshmi K P, Assistant Professor, Department of ECE, was the Convener of the event. Ms Ramya M, Assistant Professor, Department of Mechanical Engineering compered the program.

The program concluded with a felicitation ceremony for the chief guest of the day, Dr Krishna Venkatesh by the SJEC Management as a token of gratitude and respect. Ms Jayalakshmi K P, Convener of the program delivered the vote of thanks.

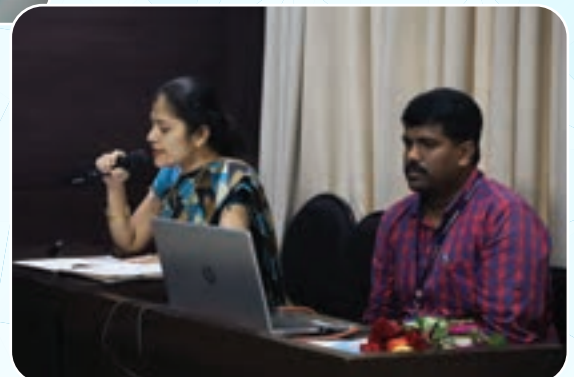
Lateral Entry Inaugural Programme 2022-23

The Inaugural Programme for the Lateral Entry students for the academic year 2022-23 was organized by the Department of Mathematics on 17th February 2023 in Prerana Hall, Academic Block – 3.

Ms Sona from Electronics and Communication department and Mr Parikshith from Electrical and Electronics department shared their experiences and insights on how to succeed in engineering studies and make the most of their time at the college. The chief guest of the program Dr Rio D'Souza, Principal SJEC welcomed the students to SJEC and he emphasized the importance of discipline and hard work in achieving academic success. Dr Purushothama Chippar, Vice Principal, SJEC felicitated the meritorious students. In the presidential remarks, Rev. Fr Alwyn D'Souza, Assistant Director, SJEC appealed to the students to develop confidence and wished students for their studies. The formal programme concluded with vote of thanks by Ms Shivani S, convener of the programme.

Ms Lauline M D'Souza was Master of Ceremony of the programme. A total of 101 lateral entry students attended the programme.

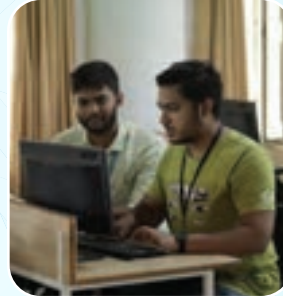
In the second session, Dean Academic, Dr Sudheer, spoke about the curriculum, academic policies, and resources available to the students to help them achieve their academic goals. Dean Student Welfare, Dr Ramananda H S, gave a talk on the various activities and services provided by the college to support the students' personal and academic growth. HOD's of various departments presented the facilities and laboratories available in their department. The college librarian gave a brief presentation on the library's services, including online resources, study materials, and research facilities, to help the students in their academic pursuits. The placement officer of the college, Mr Satyendra Bhat, gave a talk on the college's placement cell and the various career opportunities available to the students after graduation.



TIARA-2023



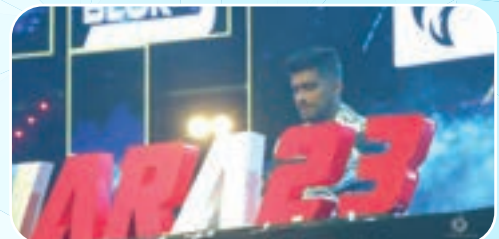
TIARA-2023 a three-day national level techo-cultural fest was organized from 23rd March to 25th March 2023. The inauguration of the program was done by Mr Ashu Kajekar- Founder and CEO, 7edge Private Limited. The chief guest of the program was accompanied to the venue by Rev Fr Wilfred Prakash D'souza – Director SJEC, Rev Fr Alwyn Richard D'souza – Assistant Director SJEC, Dr Rio D'souza – Principal SJEC, Dr Purushothama Chippar – Vice Principal SJEC, Mr Rakesh Lobo- HRM, Mr Poornesh M & Ms Chaitra U R – Conveners. The inaugural function included Skyfest – An Airshow by Mr Shubham Bilawar and Team, Bangalore.



There were a total of 34 events conducted during the course of three days which included 14 technical events, 13 non-technical events and 7 cultural events. The students from various engineering and non-engineering colleges were allowed to participate in the events. A total of 966 students from various colleges had taken part in various competitions.



The prize distribution of all the events were done on 25th March 2023. The overall winners in engineering category was won by NMAMIT, Nitte and runners up was won by Sahyadri College of Engineering & Management, Mangaluru. The overall winners in non-engineering category was won by SDM College of Management, Mangaluru and runners up was won by St Aloysius College, Mangaluru.





COLLEGE DAY-2023



St Joseph Engineering College (SJEC), Mangaluru, celebrated its College Day on 24 March 2023 in the College campus. Mr Ivan D'souza, Director-HR, Molex India, Bengaluru was the Chief Guest on the occasion. Ms Priyanka Joseph, Senior Product Manager, Ingram Micro, UAE and an alumnus of the college from the Class of 2011 was the Guest of Honour. Most Rev. Dr Peter Paul Saldanha, Bishop of Mangalore and President of SJEC presided over the programme.



Dr Rio D'Souza, Principal of SJEC presented the annual report of the college. Rev. Fr Wilfred Prakash D'Souza, Director of SJEC welcomed the gathering to the occasion. Mr Ivan D'souza spoke about the need to accept and adapt amidst the rapid growth in technology.

Addressing the gathering, Ms Priyanka Joseph appreciated the management for the immense growth in infrastructure of the college. The Guests, along with the President, distributed various excellence awards. The University level rank holders were felicitated during the event. Faculty achievements were also honoured.



In his presidential address, His Excellency Most Rev. Dr Peter Paul Saldanha, the Bishop of Mangalore congratulated the achievers for their outstanding achievements in academics and extracurricular activities.

Dr Shakila B, Convener of the programme delivered the vote of thanks. Rev. Fr Alwyn Richard D'Souza, Assistant Director of SJEC, Dr Purushothama Chippar, Vice Principal, Mr Rakesh Lobo, HR Manager of the college and Mr Franco A.J. Menezes, Convener of the programme were also present during the occasion. Mr Joel D'mello and Ms Prathima S compered the formal programme.

A cultural extravaganza followed the formal event with the students displaying their wonderful music and dancing skills. The cultural program was compered by Vinol Arun D'souza, Leslie Kiran Rodrigues and Shwetha Kunte.

Technova - 2023



'Technova -2023', the final year project exhibition was held at SJEC, Mangaluru on Friday, May 5th, 2023. Technova -2023, the exposition of projects of outgoing Josephites, is meant to encourage the creativity and technical talents of Josephites through their final year projects. A great opportunity to expose their creativity, technical knowledge, teamwork, communication skills, acumen for research and development activities, to their peer group, budding engineers, faculty and the general community. The event was held from 9:30 am to 4:30 pm and was hosted by the convener of the programme, Dr Ravikantha Prabhu, who welcomed the guests to the exhibition.

The event started with a briefing about 'Technova-2023' by Dr Rio D'Souza, Principal of SJEC. He provided an overview of the exhibition and highlighted the importance of final year BE projects. He emphasized the need for students to use their knowledge and creativity to develop innovative projects that could have a positive impact on society. Rev. Fr Wilfred Prakash D'Souza, Director, SJEC, Rev. Fr Alwyn D'Souza, Assistant Director, SJEC, Dr Purushothama Chippar, Vice-Principal, SJEC and heads of five engineering departments along with the department project coordinators were present during the programme.

Twenty experts from different industries and technical institution evaluated 139 projects carried out in five engineering disciplines and adjudged best projects of the year, second prize, third prize and innovative project prize in each disciplines.

PRIME-2023



St Joseph Engineering College - Mangaluru conducted PRIME-2023: an Accelerated Entrepreneurial Experience activity from the 7th of March 2023 to 12 April 2023, under the aegis of InnoVenture: SJEC Innovation Platform. The Demo Day of the activity was held on 12 April 2023 in the Kalam Auditorium of the Campus. Mr Prakash Kalbavi, Owner - Kalbavi Cashews attended the event as the Chief Guest.

PRIME-2023 was aimed at promoting the culture of Innovation and Entrepreneurship on the Campus. In this activity, the College provided a non-refundable seed capital of Rs. 500/- to the registered teams of students to identify and develop a product/service and sell it to realize a profit. The only requirement of PRIME-2023 was that the product/service developed has to be sold. The one-month long activity, witnessed the participation of 55 teams comprising 180 students from various disciplines of Engineering, MBA, and MCA. The teams were allowed to keep both the seed capital and the profits generated from the business.

PRIME was launched on 7th March 2023 in Kalam Auditorium by the Principal, Dr Rio Souza, who is also the Chief Mentor of InnoVenture, in the presence of Rev. Fr Wilfred Prakash D'souza, Director - SJEC and Rev. Fr Alwyn Richard D'Souza, Assistant Director of SJEC. The activity was launched by the release of the PRIME-2023 logo followed by a video message from Dr Nitin Kulkarni, Program Manager of InnoVenture. Following which, Dr Nitin Kulkarni addressed the newly formed student committee just a few days after the launch.

Dr Nitin Kulkarni, Adjunct Faculty of Business Administration Department of SJEC and Program Manager of InnoVenture was present for the inaugural ceremony. Dr Kulkarni is credited with the conceiving of this activity and has been brought on board by the Institution along with the Indo Universal Collaboration for Engineering Education (IUCEE) to promote innovation and entrepreneurship on campus. Dr Binu K G, the Program Head of InnoVenture and convenor of PRIME-2023 along with Dr Harivinod, Incharge HOD of Computer Science and Engineering were present for the event.

Among the students that were present, 95% of the participants were from the 1st and 2nd year Engineering. Also, nearly 75% of the teams were students from multiple disciplines sharing each other's knowledge and skills for betterment of the product.

Hostel Day - 2023



The Hostel Day Celebration of St. Joseph Engineering College was held on Saturday, 29th April 2023 at Kalam Auditorium. The event was organized by the hostel committee and was attended by a large number of students, faculty members, and staff. The vice Principal of the College Dr Purushothama Chippar was the Chief guest of the event, and the function was presided over by Rev.Fr Wilfred Prakash D'Souza. Rev.Fr Alwyn Richard D'Souza was also present at the event as a special guest, and Dr Rio D'Souza, the principal of the College, was the Guest of Honour.

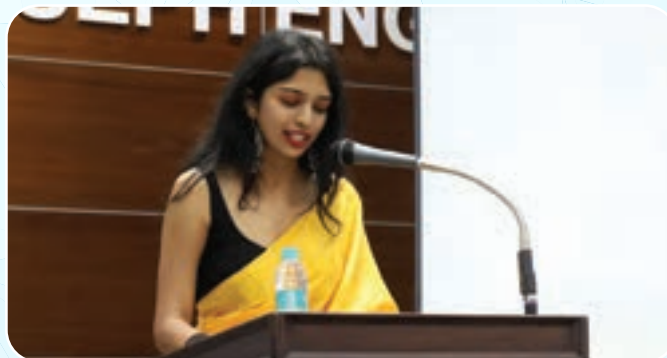
The event started with a welcome speech by the Hostel Committee, followed by the lighting of the lamp by the dignitaries. The cultural events started with a dance performance by the students, which was followed by a skit that highlighted the importance of hostel life

The Chief Guest, Vice Principal, addressed the gathering and talked about the significance of hostel life for students. He emphasized the need for discipline, time management, and teamwork, which are essential skills that students learn while staying in hostel

The Guest of Honour, Dr. Rio, also addressed the gathering and praised the efforts of the hostel committee in organizing such a successful event. He highlighted the importance of extracurricular activities for the overall development of students.

The winners were awarded certificates and trophies, which were presented by dignitaries. The event concluded with a vote of thanks by the Hostel Committee.

Alvida - 2023



A Common farewell programme Alvida 2023 for final year UG students was held on Monday, 8th May 2023 at 10.00 am, in the Kalam Auditorium. The event started with the Invocation, which was followed by the presentation of the Farewell Video. The video showcased the students' memories and experiences at St Joseph Engineering College.

Dr Rio D'Souza, Principal, St Joseph Engineering College welcomed the gathering. Dr Shreeranga Bhat, HOD- Department of Mechanical Engineering, raised the Toast. In his toast, he called upon the students to become proud alumni of the college and be good ambassadors. On behalf of all final-year students, Mr Hancel D'Souza, Department of Mechanical Engineering, and Ms Jyothi Lisha Vas, Department of Computer Science & Engineering replied to the toast who reminisced about their time in the college.

The Director, Rev. Fr Wilfred Prakash D'souza delivered the Presidential Address, wishing the students success. Rev. Fr Alwyn Richard D'Souza, Assistant Director, blessed outgoing students and wished them good luck and success in their future endeavors.

The Master of the Ceremony was Ms Lauline M D'Souza from the Department of Mathematics. The Vote of Thanks was given by Ms K Arya Shri, Convener of the program.



SJEC

RHYTHMS

INDUSTRY AND INNOVATION GROUP



Awareness program on environmental issues

CII- Yuva Mangaluru in association with TORQUE- Department of Mechanical Engineering Association and Industry and Innovation Group (IIG), SJEC, organized a special event on the occasion of World Environmental Day on 2nd June 2023, at St Joseph Engineering College, Mangaluru. Ms Sameeksha Shetty, Chapter Chair, Yi Mangaluru & Managing Partner, Hayka Global, welcomed the gathering. Dr. Purushothama Chippar, Vice Principal, SJEC, Mangaluru addressed the gathering. Dr Ravi,

Environmental officer, Karnataka State Pollution Control Board (KSPCB) was the Chief Guest for the function, Dr Ravi delivered key note address on “Economic Value of Sustainable Solid Waste Management- Case Study of Bangaluru”. Ms Sharon D’Souza, Member-Yi Mangaluru & Climate Change, Partner- Green Xperts gave the concluding remarks. Ms Ramya, Assistant Professor Department of Mechanical Engineering proposed the vote of thanks.



Regional Awareness Program on Innovation and business plan presentation “MANTHAN-2023”



Federation of Karnataka Chamber of Commerce and Industry (FKCCI) in association with Industry and Innovation Group (IIG) SJEC organized a Regional Awareness Program on Innovation and business plan presentation “MANTHAN-2023” on 20th February 2023, at St Joseph Engineering College, Mangaluru. Rev. Fr Alwyn Richard D’Souza, Assistant Director, SJEC, Dr Rio D’Souza, Principal SJEC, Dr Purushothama Chippar, Vice Principal, SJEC, Mr D. Suresh Kumar, Former Chairman Manthan, Mr. Vijay Nishanth, Tree doctor, Founder of

Project Vruksha, Mr Prajwal Vas, CEO and Founder-Plangle Studio, Mr Ankur, Director Basin Group, Mr Vincent Walter D’Souza, Director, Nexeva group of company and Rotarian Tejashree, Group Director, Nexeva group of company where present, Total 200 students from colleges in and around Mangaluru participated in the event. Dr Ravikantha Prabhu, Chairperson –IIG, welcomed the guests to the awareness program.

Mr D. Suresh Kumar, joined the programme online and presented a brief overview of Federation of Karnataka Chamber of Commerce and Industry (FKCCI) and MANTHAN-2023 event. Mr. Vijay Nishanth, Tree doctor, Founder of Project Vruksha, joined online and shared his journey as a tree doctor. Mr Prajwal Vas, CEO and Founder-Plangle Studio, shared his journey of becoming the entrepreneur. Mr Ankur, Director Basin Group, presented the overall picture about the MANTHAN program to participants. Rotarian Tejashree proposed vote of thanks.



Entrepreneurship Bootcamp for Students



IAMAI – Mobile10X Future Founders 2022, an Entrepreneurship Development Boot camp for students was organized by IAMAI – Mobile10X in association with CSL supported by KITS, IT Department of GoK. & Startup Karnataka. K-tech Innovation Hub Powered by IAMAI-Mobile10X is a Government of Karnataka supported Incubator for tech start-ups located in Bangalore. We have been operational from around the past 5 years and have incubated 100+ start-ups till now. In pursuit of strengthening the start-up ecosystem in the state of

Karnataka evangelizing Entrepreneurship among students by enabling students with basics of entrepreneurship, IAMAI Mobile10X is organizing an Entrepreneurship Development Program, Boot camp for students - IAMAI – Mobile10X Future Founders 2022 under the direction of KITS, IT Department of GoK.



TCS tech bytes preliminary round

Industry and Innovation Group SJEC and TCS Tech bytes in association with Computer Science Department organised TCS tech bytes preliminary round on 21-02-2023.

The quiz was mainly focused on application of Technology across various sectors and aspects such as: the technology environment, the business, its people, new trends, legends etc. It also focused on emerging areas eg: cloud computing, IoT, telecom, mobility, social media, biometrics, robotics, etc. World of internet, and unique websites, IT buzzwords and acronyms. IT Personalities - international, national and local. IT

and communication companies' software products, brands and history of IT. Areas where IT has made an impact - education, entertainment, books, multimedia, music, movies, internet, banking, advertising, sports, gaming, social networking, cell phones, etc. The College has selected 25 Best students out of 31 participants



RESEARCH AND FACILITIES GROUP



The Department of Civil Engineering in association with Research and Facilities Group conducted "Lecture Series on Civil Engineering 2023". First technical talk on 'Introduction to earthquake Engineering' was delivered by Dr. Shreyasvi Chandrasekhar, Seismic Hazard Scientist on 23/02/2023. The second technical talk on 'The Scope of HSE (Health, Safety, and Environment) in the Field of Civil Engineering and the Introduction to IOSH Qualification NEBOSH Training' was organized on 8/3/2023. Mr. Alwyn Mendonca, HSE Consultant UAE was the resource person

ALUMNI ASSOCIATION

Conducted alumni talk- Higher Studies@USA on 19th December 2022. The resource person of the webinar was Mr Sherwin Fernandes (Alumnus of 2012 ECE Batch), Senior Member of Technical Staff in AMD, USA and Founder of SOLASTA US Education Consultants.



Organized an **Alumni Interaction on the topic “Entrepreneurial Journey”** on 8th February 2023. Ms Leeza, an alumna from the batch of 2014 addressed the students of MBA.



Conducted a charity event in association with Riya Foundation on 29th March 2023.

Organized an alumni talk- **Insight to Higher Studies & Living Abroad** on 25 April 2022, The talk was led by three young proud alumni, Ms Jeevitha Lora Rodrigues from batch 2016-2020, ECE, Varun Raj Jayaraj from batch 2016-2020, ME, and Mr Sudeep Gonsalves from batch 2016-2020, ECE, who shared their experiences of studying and living abroad.



Technova-2023 Alumni Interaction was held on 5th May 2023



Organized a blood donation camp on 13th June 2023



Organized the annual alumni meet Reminiscia-2023 on 1st July 2023

DISCIPLINE AND EQUITY GROUP



Women's Day was celebrated at St Joseph Engineering College on 8th March 2023 at 3.30 PM in Prerana Hall, Academic Block III by organizing a talk on the topic "Equity is a choice: Are we ready to embrace it?". The event was organized by the Jagruti

Committee under the Discipline and equity group of SJEC in association with Department of Mathematics for the faculty and students of SJEC.

Ms Joan Rita O'Brien, HOD, Department of Sociology, St. Aloysius, College, Mangaluru graced the occasion with her invaluable insights being the chief guest and guest speaker of the programme. The program began with invocation and dignitaries including the chief guest Ms Joan Rita O'Brien, Dr Ramananda H S, Dean Student Welfare, Ms Salma Shabnam, Assistant Professor, Dept of Mathematics and Mr. Prasad S M, Assistant professor, Department of Electronics and Communications Engineering and Chairperson of Discipline and Equity group lighting the lamp. Dr Rajesh K, Associate Professor, Department of physics welcomed the gathering and introduced the guest speaker to the gathering.

DEVELOPMENT AND PLANNING GROUP



PRIME 2023

The Development and Planning Group organized the PRIME event under Innoventure's platform, providing a unique opportunity for young entrepreneurs to showcase their innovations and secure financial support. The event's primary objective was to foster a culture of innovation, creativity, and collaboration among participants, leading to a diverse group

of enthusiastic individuals from various disciplines and backgrounds, all eager to turn their innovative ideas into reality. The event followed a series of activities, including team formation, assignment of student and faculty mentors, idea submissions, mid-term reviews, culminating in the much-awaited DEMO Day on 12th April 2023, where students showcased their products and services.



QUALITY AND GOVERNANCE GROUP



Session on NEP-2020 for I Year BE students

St Joseph Engineering College organized a Session on National Educational Policy 2020, for first year BE students on 14th December 2022 at 3:00pm in Kalam auditorium. 550 students of I BE actively participated in the session.

Session on NEP-2020 for the parents of UG and PG students of SJEC

Internal Quality and Assurance Cell in association with Quality and Governance Group organized a session on “NEP 2020 Transformation in Higher Education” on December 17th, 2022, 9.30AM at Prerana hall academic block III, for the Parents of UG and PG students.

Essay Competition on “NEP-2020, Transformation in Higher Education” for UG and PG students

Internal Quality and Assurance Cell in association with Quality and Governance Group organized essay competition on “NEP 2020 Transformation in Higher Education” on for all UG and PG students of SJEC. Around 30 students participated in the Essay Competition. Dr Shreeranga Bhat, HOD-ME and Mr Harsha A J, Assistant Professor- Dept of Mathematics were the judges for Essay Competition.

STUDENT WELFARE GROUP



Postcard Campaign was held for the hostel students from Dakshina Kannada and Udupi district. A list of students was prepared and submitted to the City Corporation office, Mangaluru and postcards were collected. Health Officer Dr Ashok H visited SJEC campus and briefed hostel students about the importance of casting vote. The post cards were distributed to the students and they wrote a message to their parents regarding casting their votes. The post cards were collected and posted.

Brief address by faculty and student members of SWG in the classrooms of various departments during 24th to 27th April 2023. The faculty and student members addressed the students about the importance of voting and its impact on society. They emphasized voting as a way for citizens to participate in the decision-making process of their government and bring about social change. By voting for candidates who share their values and beliefs, people can help shape the direction of their country.





Dean-SW, Dr Ramanand H S, addressed the students in the Boys hostel and Girls hostel in the presence of the wardens and electoral literacy club members.

Short video messages on the importance of casting our vote were prepared by the faculty and student members of the electoral literacy club. Short messages were collected from Management, faculty, staff and students of SJEC and edited into

short video clips. Drone shots were captured featuring students holding placards, posters etc.

A one day workshop on “**Investor Awareness**” was held on Tuesday 18 July, 2023 in association with MUCTA - Mangalore University Commerce Teachers Association for students and faculty.



ACTIVITIES OF NAVAL NCC



NCC selection camp for NSC at 6 Kar Naval Unit NCC, Udupi on 20 July 2022.



Sailing Regatta - Training Camp at Mysore from 29 July 2022 to 07 August 2022.



NCC Naval cadets were awarded NCC 'B' certificate at 6 Kar Naval Unit NCC, Udupi on 26 July 2022.



NCC camp - ATC at NMAMIT, Nitte from 08 August 2022 to 15 August 2022.



NCC camp – ATC of 5 KAR Naval NCC Unit Mangalore. participated in Independence day parade at SJEC from 14 August 2022 to 21 August 2022.



Coast Guard ship (ICGS Varaha) visit at NMPT on 17 August 2022.



Blood donation camp – 5 Kar Naval NCC unit with SJEC Navy sub Unit 20 August 2022.



Watermanship training at Boat pool, Udupi, 18 August 2022 and 19 August 2022.



Unity run of 2 kms (Rashtriya ektha diwas celebration) on 31 October 2022.



CATC/RDC selection Camp at Nehru Memorial college Sullia from 15 October 2022 – 22 October 2022.

CATC/RDC selection Camp at Sacred heart College, Madantyar, 24 October 2022 – 31 October 2022.

CATC/IGC 2022-2023 NCC camp at St Benedict's school, Kengeri, Bangalore, 01 November 2022 to 10 November 2022.



Pre RDC phase 1 camp at Brindavan College of Engineering, Bangalore, 20 November 2022 to 29 November 2022.



Blood donation Camp organised by SJEC Navy & Airwing sub unit in association with Wenlock district hospital, Mangaluru, 24 November 2022



Puneet Sagar Abhiyan PGME at Boat pool, Udyavara organized by 6 KAR Naval Unit NCC, Udipi, 25 November 2022



Plantation drive at SJEC (NCC day), 25 November 2022



CATC camp at MIT, Manipal, 30 November 2022 to 07 December 2022



SIP 2022 (NCC cadets resource person), 28 November 2022 to 29 November 2022



Comdr Karthik Das, Commanding Officer, 6 KAR Naval NCC unit, Udipi, Institutional visit & talk, 29 November 2022



Phase 1 NCC selection for first year Navy cadets , 02 December 2022



Phase 2 NCC selection for first year Navy cadets, 07 December 2022.



Pre RDC phase 2 camp at Brindavan Group of Institutions, Dwarakanagar, Bangalore 10 December 2022 to 19 December 2022.

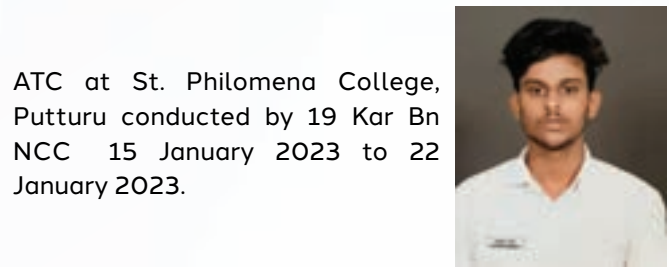


Cadet Captain Prashanth P Koti achievements at RDC 2023, Delhi, 29 December 2022 to 31 January 2023. Represented Karnataka & Goa Directorate at the Republic Day Camp 2023, Delhi. Winner of Gold Medal in Powered Ship Model & VIP Model Awarded Admiral Nanda Trophy also known as Silver Ship in ship modelling, first time in history of Karnataka & Goa

Directorate. Accorded 'Commendation Certificate & Gold Medal' by DDG, NCC of Karnataka & Goa Directorate for rendering service of very high order, thus enhancing the image of National Cadet Corps & winning laurels for the Directorate of Karnataka & Goa.



Ship training camp at Naval dockyard, Mumbai was held from 18 December 2022 to 23 December 2022



ATC at St. Philomena College, Putturu conducted by 19 Kar Bn NCC 15 January 2023 to 22 January 2023.



ATC at Indian Naval Academy, Ezhimala was conducted by 9 Kerala Naval Unit, Kozhikode 09 January 2023 to 20 January 2023



Pre RDC phase 3 camp at Brindavan Group of Institutions, Dwarakanagar, Bangalore 20 December 2022 to 29 December 2022



Yogathon at MAHE grounds, Manipal was organised by Government of Karnataka from 14 January 2023 to 15 January 2023.



Republic day dekitting camp at Atria Institute of Technology, Anandnagar, Bengaluru, 01 February 2023 to 10 February 2023 Cadet Captain Prashanth P Koti was presented Commendation Award by Deputy Director General, Karnataka & Goa Directorate.



Felicitation programme for CC Prashanth P Koti, 25 February 2023.



B & C certificate exam training at 6 Kar Naval NCC Unit Udupi, 09 February 2023



B certificate exam at SMS college, Bramavar, 05 March 2023



C certificate exam at SMS college, Bramavar, 18 February 2023 & 19 February 2023



'G20 India's Presidency' Debate & Quiz, 17 March 2023

CULTURE AND COMMUNITY GROUP



Crescendo - the SJEC Music club, conducted a musical show on 19th May 2023 for students and faculty.



On World Environment Day, Eco-Club under Cultural and Community group in association with Department of Civil Engineering organized a talk on Buzzing for future: Honey Bee Rescue and Environmental Awareness on 05 June 2023 for the Eco Club members and interested students of college with Dr. Prashantha Naik, Mangalore University as resource person.

Inter department cultural competitions were organized by Cultural Committee from 1 to 11 March 2023 for students of all departments.



The inauguration of AICUF for the academic year 2022-23 took place on 15 June 2023 with Mr Audy Rego, President of All Banks Christian Employees Association, Mangaluru, as the Chief Guest.



Community Engagement Group in association with Electrical & Electronics Department conducted a survey on Installation of solar system at Malluru village on 13th April 2023.

SJEC COLLEGIATE CLUBS

TERRORBULL ROBOTICS

Team Terrorbull Robotics attended **Projections, the largest tech fest in Gujarat**, which is held annually and attracts tech enthusiasts from various parts of the country. The fest consisted of 16 technical events, out of which the team representing St. Joseph Engineering College, Mangaluru participated in 7 events.



2nd Place in “Shastra IIT Madras Robowars Competition

Shastra, the annual technical festival of the Indian Institute of Technology Madras (IIT Madras), is renowned for hosting a wide range of competitive events that attract participants from across the nation. One such thrilling competition is “Robowars,” where engineering enthusiasts showcase their robotic creations in intense combat. On 26th January 2023, the Robowars competition took place as part of Shastra, and our team proudly secured the 2nd place in the fierce battle.

1st Place in Technex-2023 St.Vincent Pallotti College, Nagpur Robowars Competition

Technex-2023, the annual techno-management fest of St. Vincent Pallotti College, Nagpur, is a platform that brings together bright minds from various institutions to showcase their technical expertise and innovation. On 10th February 2023, the Robowars competition took place during Technex_2023, and our team proudly emerged victorious, **securing the 1st place** in the fiercely contested battle.



Technovanza, the annual technical festival of Veermata Jijabai Technological Institute (VJTI) in Mumbai, is a celebration of innovation and technical prowess. One of the most anticipated events is “Robowars,” where robotic enthusiasts battle their creations in intense combat. On 27th February 2023, the Robowars competition took place during Technovanza, and our team proudly secured the **2nd place** in the thrilling competition.

Magnovite is the annual techno-cultural fest of **Christ University, Bangalore**, known for bringing together talented minds from various institutions to showcase their skills and creativity. One of the highly anticipated events of the fest is “Robowars,” where participants demonstrate the capabilities of their robotic creations in a thrilling combat. On 02nd March 2023, the Robowars competition took place during Magnovite, and our team achieved both **1st and 2nd place**, showcasing our dominance in the exciting competition



Sentia is the annual technical fest of **Mangalore Institute of Technology and Engineering (MITE) in Moodabidri**, known for providing a platform for students to showcase their technical prowess and innovation. Among the exciting events featured in Sentia, “Robowars” stands out, where participants engage in thrilling robotic combat. On 16th March 2023, the Robowars competition took place during Sentia, and our team achieved both **1st and 2nd place**, highlighting our excellence in the competition.

AUTOMATION AND ROBOTICS CLUB (ARC)

ARC-SJEC participated in **Magnovite 2023**, a national level cultural and tech fest held at **Christ College Kengeri Bangalore** from March 2 to March 3, 2023. Our team took part in various competitions such as C Talash, Tech Trivia, Spark-A-Thon, Business Analytics, and many more. We are proud to have represented our institution and demonstrated our skills and knowledge in the diverse fields of technology and bagged **second runner up** in overall Championship.



As ARC-SJEC took part in **Quantum 2022**, a national level tech fest held at **New Horizon Engineering College Bengaluru** from December 7 to December 10, 2022. We competed in the Robo Race, Robo Soccer, and Robo War as a team of six, and won **first place** in the Robo Race.



Automation and Robotics Club (ARC-SJEC) for winning **First place in Healthcare Innovation Hackathon** organized by the Nitte University in association with AIC –Nitte Incubation Centre from 5-7 May 2023.

TEAM DYNAMIC SJEC

Smart India Hackathon 2022

Team Dynamic SJEC has participated in Smart India Hackathon-2022 conducted in Gujarat at A.D Patel Institute of Technology.

- Team members: ● Rynor Gavin Pinto (Team Lead)
 ● Mohammed Zaid ● Sivani S S (CSE) ● Trisha Steeven
 ● Ancita



NASA HACKATHON

Team Dynamic SJEC has secured 3rd place in semi-finales of NASA hackathon, association with Nitte Meenakshi Institute of Technology, Bangalore.

- Team members: ● Rynor Gavin Pinto (Team Lead)
 ● Mohammed Zaid ● Anusha Nayak (CSE) ● Sivani S S (CSE) ● Trisha Steeven.

Message by Student

As a graduating student, I can't help but reflect on the incredible journey I've had while pursuing my MBA at St. Joseph Engineering College. From the moment I stepped into this impressive campus to this very moment, I have been fortunate enough to witness my personal and academic growth flourish in tremendous ways.

The faculty played an instrumental role in shaping my educational experience. Their expertise, guidance, and unwavering support were invaluable. They have helped me enhance my understanding of my chosen field and instilled in me a sense of curiosity and a desire to contribute and expand my knowledge. In addition to the academic facilities, SJEC offers a range of amenities that contribute to fulfilling student life. I would forever remember the beautiful lush-green campus, Student Square, Cafeteria, Amphitheatre and classrooms where I have created tons of memories with my friends.

SJEC has not only provided me with education but also an environment that fosters personal growth, lifelong friendships, and a passion for making a difference in the world. It has truly been the foundation upon which I have built a promising future, and I am eternally grateful for the experiences and opportunities it has provided me.



- Rochelle Vanessa Pinto
2nd Year MBA

AICTE IDEA LAB

St Joseph Engineering College (SJEC), Mangaluru, is fortunate to be one of the institutions selected by the All India Council for Technical Education (AICTE) for establishing the AICTE IDEA Lab in the year 2021. The SJEC AICTE IDEA Lab encourages students to apply Science, Technology, Engineering, and Mathematics fundamentals towards enhanced hands-on experience, learning by doing, and product visualization. The IDEA Lab will make students more imaginative and creative in addition to imbibing skills of critical thinking, problem-solving, design thinking, collaboration, communication, and lifelong learning. The lab has an area of 5000 plus sq. ft. equipped with advanced machinery, tools, and consumables to support translating an idea to prototype development or solution of a problem. The SJEC AICTE IDEA Lab understands the paramount importance of developing skills in an individual's life. Therefore, the lab offers a number of hands-on courses to the students of SJEC, starting from the first semester to the eighth semester. The courses include Prototype Fabrication & Testing in the first year, Internet of Things in the 3rd semester, Computational Tools for Engineers in the fourth semester, Artificial Intelligence- a Prime in the fifth semester, Design Thinking and Productization in the sixth semester, and About Entrepreneurship and Startup, Technology Gap Analysis, Business Model Innovation, Startup/Business Compliances, etc. in the final year of engineering course. All courses are 80% hands-on with a balance of lecture/activity based in class and project-based learning in which a student or a group of students must build a product using the skills gained.

Programmes Conducted by AICTE IDEA Lab (July 2022-June 2023)



Staff Skilling Program on PCB Design and Milling conducted for the staff of SJEC from 14-15 July 2022.



Five days workshop on Advanced Manufacturing Process for the faculty of diploma and engineering colleges of Mangalore region. Date 14-18 November 2022



Faculty Development Program on Internet of Things was organized for 31 SJEC faculty in association with the Center of Excellence in IoT at RVCE-Bengaluru. Date 26-30 September 2022



One Day Outreach Program at Chinmaya Vidyalaya, Kasaragod, Kerala. A group of 13 students and Mr Yathish Kumar Asst Prof ME Dept visited the school to prepare the prototypes. The IDEA Lab team assisted them in the circuitry and Arduino Programming. Date 22 November 2022.



One Day Outreach Program at Government High school, Moodmarnad, Moodbidri to showcase the projects made by the students of SJEC. Date 26 November 2022.



Introduction to Digital Manufacturing for Polytechnic students of Mangalore region. A total of 129 students from various diploma colleges registered and actively participated during 5 days schedule in multiple batches. Date 26-30 December 2022



Five days Skill Development Program on IDEA Lab Equipments and Tools for the various diploma colleges of Mangalore region. A total of 155 students from various diploma colleges registered and actively participated during 5 days schedule in multiple batches. Date 28 November-2 December 2022



Skilling Program on Internet of Things for Atal Tinkering Lab Teachers of Dakshina Kannada District. A total of 40 teachers registered and actively participated during 3 days schedule. Date 11-13 January 2023



Two days workshop on Prototyping using PCB organized by AICTE IDEA Lab in association with Samarthy, the Technical club of Dept of ECE & Terror Bull Robotics, SJEC for 30 students of 3rd Semester of ECE Dept. Date 5-6 December 2022



Skilling Program on Internet of Things for ATL school students of Dakshina Kannada District. A total of 112 students and 26 teachers registered and actively participated during 2 days schedule. Date 31 January-1 February 2023



K-tech Innovation Hub powered by **IAMAI Mobile 10X** in association with **CSL & SJEC IDEA Lab** in association with Industry & Innovation Group (IIG) organized two-day Student Entrepreneurship Boot camp “IAMAI Future Founders” . Date 23-24 February 2023



Five days Internship Program on Advanced Manufacturing Processes and Internet of Things for the lateral entry students of SJEC (Batch 2). Date 29 May-2 June 2023



Five days Internship Program on Advanced Manufacturing Processes on Internet of Things for the lateral entry students of SJEC (Batch 1) Date 22-26 May 2023.



SJEC AICTE IDEA Lab organized Three days workshop on Structural and Fluid flow analysis using ANSYS Workbench for the faculty of SJEC. A total of 20 faculty participated for the program. Date 6-8 June 2023.

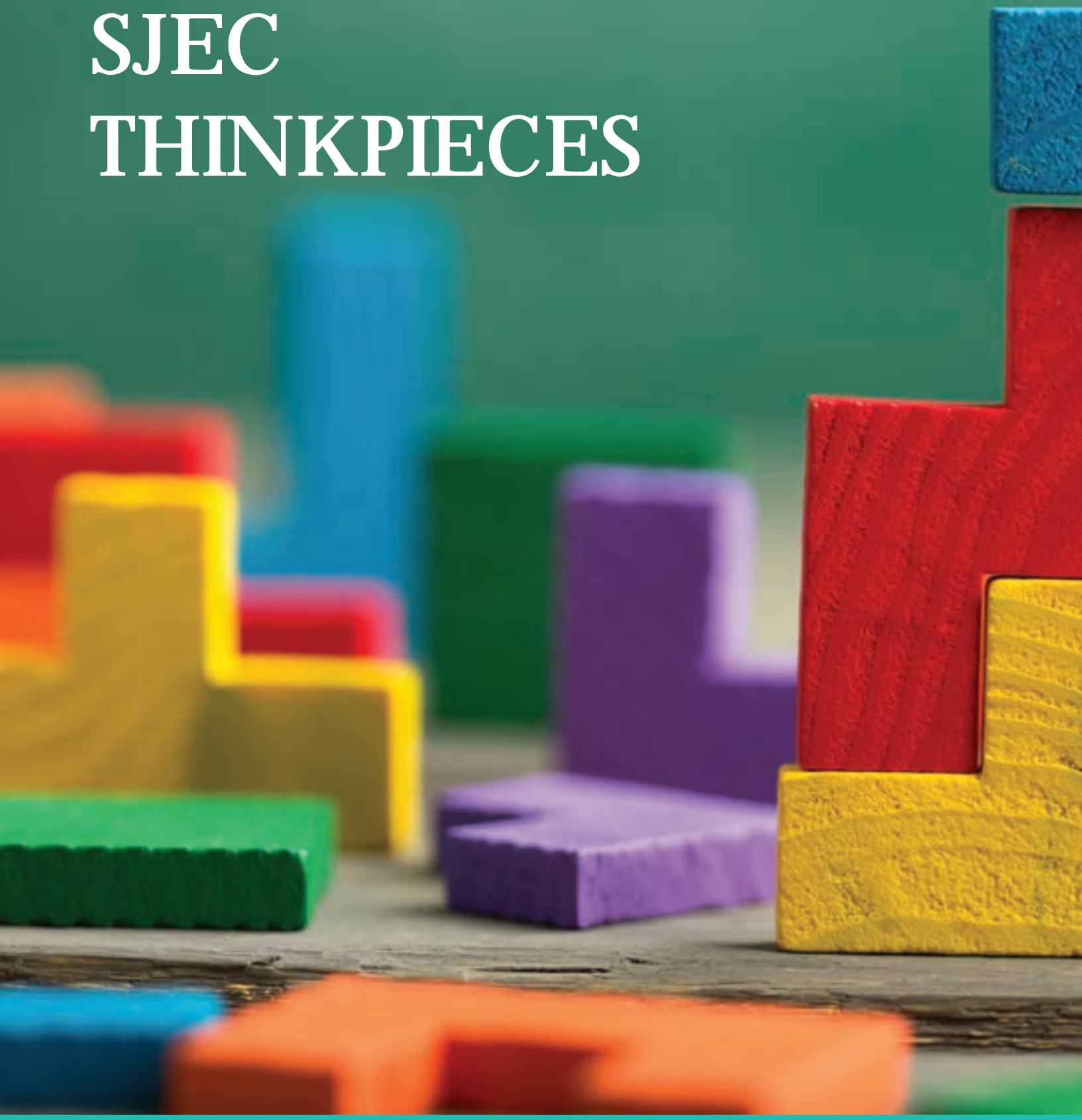


Three days workshop on Application of MATLAB and SIMULINK for Engineers was organized by SJEC AICTE IDEA Lab. A total of 18 faculty participated for the program. Date 29-31 May 2023



Five days Internship Program on Advanced Manufacturing Processes and Internet of Things for the lateral entry students of SJEC (Batch 3) Date 5-9 June 2023.

SJEC THINKPIECES



ENGINEERING EDUCATION: Fostering Holistic Development for a Better Future



Ms Vishikha Keshava

Assistant Professor
Department of Civil Engg.

Engineering education has long been at the forefront of technological advancements and scientific innovations, molding brilliant minds to shape the world we live in. However, a true engineer is not just defined by technical expertise; they must possess a broader perspective that encompasses human values and social responsibility. In this article, we explore the importance of a holistic approach to engineering education that goes beyond technical skills. Universal Human Values (UHV) forms the bedrock of a well-rounded engineer. These values include empathy, compassion, integrity, respect, and a sense of social responsibility. Incorporating UHV into the engineering curriculum instills ethical principles that guide students in their decision-making processes. It equips them to weigh the consequences of their actions, leading to more thoughtful and responsible solutions to real-world challenges.

Engineering is a collaborative endeavor, and successful projects often require effective teamwork. By introducing non-technical subjects like UHV, engineering education fosters interpersonal skills that are essential for teamwork. Effective communication, active listening, and conflict resolution are vital components that engineers need to excel in a team-based environment. UHV empowers engineers to appreciate diverse perspectives and create an inclusive workplace that values every team member's contributions.

An engineering graduate should not be an isolated expert but a socially conscious individual with a deep understanding of societal needs. UHV encourages community engagement and social outreach, allowing students to experience first-hand the impact of their work on society. By

connecting with the community, students become more socially aware, and they learn to tailor their engineering solutions to meet the specific needs of the people they serve.

Engineering challenges often transcend geographical boundaries, and global issues demand international cooperation. UHV nurtures a global perspective, fostering cultural sensitivity and promoting international collaboration. Engineers equipped with a global mindset can collectively address pressing challenges, such as climate change and sustainable development, for the benefit of humanity as a whole. A holistic approach to engineering education empowers students to become responsible and socially conscious engineers. It bridges the gap between the technical realm and the world they seek to improve. As faculty members, we must advocate for the inclusion of UHV in the curriculum to produce engineers who are not only skilled problem solvers but also compassionate leaders who care about the well-being of people and the planet.

In conclusion, engineering education must go beyond technical proficiency and embrace a holistic approach that includes Universal Human Values. By nurturing ethical decision-making, fostering interpersonal skills, encouraging community engagement, and promoting a global perspective, we can shape a new generation of engineers who will not only drive technological advancements but also create a better and more sustainable future for all. Let us embrace this transformative journey in engineering education and build a brighter tomorrow together.



SOIL Conservation: Nurturing the Earth's Lifeline



Soil, a precious natural resource, is the foundation of life on Earth. It sustains diverse ecosystems, supports agriculture, and ensures the survival of all living beings. Despite its significance, soil is constantly at risk of degradation due to human activities and natural processes. Soil conservation is a paramount practice aimed at preserving this vital resource for current and future generations.

One of the primary threats to soil is erosion. Unsustainable farming practices, deforestation, construction activities, and improper land management contribute to soil erosion, which leads to the loss of fertile topsoil. To counter this, adopting sustainable agricultural practices like contour plowing, terracing, and no-till farming can prevent soil erosion and promote its conservation. Additionally, reforestation efforts and afforestation play a crucial role in stabilizing soil and preventing erosion.

Another important aspect of soil conservation is maintaining soil fertility. Continuous cultivation of the same crops can deplete essential nutrients from the soil, rendering it less productive. Employing crop rotation, mixed cropping, and using organic fertilizers can help replenish soil nutrients naturally, enhancing its fertility and productivity.

Soil conservation is also closely linked to water management. Proper irrigation methods, like drip irrigation and rainwater harvesting, reduce the impact of water on soil erosion and help maintain soil structure and moisture content. Furthermore, avoiding overuse of groundwater resources helps prevent land subsidence, which can lead to irreversible damage to soil structure.

Dr Shrisha H.S.
Associate Professor - CSE



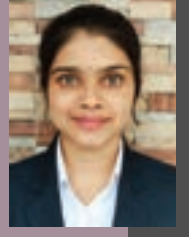
Preserving biodiversity is fundamental to soil conservation. Healthy soil teems with a wide array of microorganisms, insects, and small animals that contribute to nutrient cycling and enhance soil structure. Protecting natural habitats and employing sustainable land use practices promote biodiversity, fostering a healthy ecosystem that, in turn, sustains soil health.

Public awareness and education are essential components of any successful soil conservation strategy. Governments, non-governmental organizations, and educational institutions must work together to raise awareness about soil conservation and provide training to farmers and landowners on sustainable practices.

In conclusion, soil conservation is a responsibility that lies with each one of us. By adopting sustainable practices, preserving biodiversity, and promoting awareness, we can safeguard this invaluable resource for future generations. The collective efforts of individuals, communities, and governments are paramount in ensuring the health and productivity of our soils and, ultimately, the well-being of the planet. Let us join hands to nurture the Earth's lifeline and secure a sustainable future.

ಅಪ್ಪನಲ್ಲಿ ಕಂಡ ಅದ್ಭುತಗಳು....

Priyanka
I MBA-B Batch



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ಅಕ್ಕನೊಂದಿಗೆ ಜಗಳವಾಡಿದಾಗ ಹೆಚ್ಚಿನ
ಬೈಗುಳವ ನನಗೇ ನೀಡಿದ್ದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಬಿದ್ದಾಗ ಗಾಯಮಾಡಿಕೊಂಡು ಅಳುತ್ತಾ ಕೂತಿದ್ದಾಗ
ನನ್ನ ಕಣ್ಣೀರೊರಿಸಿ ಉಪಚರಿಸಿದ್ದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ... ನಿನ್ನಲ್ಲಿ ಭಾವುಕ ತಂದೆಯನ್ನು ಕಂಡಿದ್ದೇನೆ..

ಪ್ರತಿವಾರ ಸಂತೆಗೆ ಹೋಗುತ್ತಿದ್ದ ನೀನು
ನನಗಾಗಿ ಆಟಿಕೆಗಳನ್ನು ತರುವುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಕೇಳುವ ಮುಂಚಿತವಾಗಿ ನನ್ನ ಆಕಾಂಕ್ಷೆಗಳನ್ನು
ಪೂರ್ತಿಗೊಳಿಸಲು ತವಕಿಸುತ್ತಿದ್ದುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ... ನಾನು ನಿನ್ನನ್ನು ಆಕಾಶದತ್ತರದಲ್ಲಿ ಕಂಡಿದ್ದೇನೆ..

ನನ್ನ ಪ್ರತಿ ಖರ್ಚನ್ನು ಪೂರೈಸಿದ ನೀನು
ನಿನಗಾಗಿ ಏನನ್ನೂ ಕೂಡಿಸಿರುವುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಜೀವನದಲ್ಲಿ ಏನೇ ಸವಾಲುಗಳು ಬಂದರೂ
ಯಾರೊಂದಿಗೂ ಕೈಯೊಡ್ಡದೇ ಇರುವುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ...ನಿನ್ನಲ್ಲಿನ ಸ್ವಾಭಿಮಾನವನ್ನು ಉತ್ತುಂಗದಲ್ಲಿ ಕಂಡಿದ್ದೇನೆ..

ಅಕ್ಕನ ಕನ್ಯಾದಾನದ ಸಮಯದಲ್ಲಿ ಹಗಲು ರಾತ್ರಿ ಎನ್ನದೆ,
ದುಡಿದು ದೇಶದರೂ ಹಸನುಖಿಯಾಗಿದ್ದುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ನಿನ್ನೊಳಗಿನ ಭಾವುಕತೆಯನ್ನು ತಡೆದು ನಿಲ್ಲಿಸಿ ಕಂಬದ
ಹಿಂದೆ ಅಡಗಿ ಕಣ್ಣೀರಿನೊಡವನ್ನು ಕಂಡಿದ್ದೇನೆ...
ಅಪ್ಪಾ.. ನಮಗಾಗಿ ಮಿಡಿಯುವ ನಿನ್ನ ಭಾವುಕ ಹೃದಯವನ್ನು ಕಂಡಿದ್ದೇನೆ..

ಮಗಳೇ ನಿನ್ನ ಮದುವೆ ಸಮಯದಲ್ಲಿ ಬೇಕಾಗುತ್ತದೆ ಎಂದು
ನನಗಾಗಿ ದುಬಾರಿ ಆಭರಣ ಖರೀದಿಸಿದ್ದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಪ್ರತಿ ಹಬ್ಬದಲ್ಲಿಯೂ ಹಳೆ ಬಟ್ಟೆ ಧರಿಸಿ ಹರಿದ
ಚಪ್ಪಲಿಗಳನ್ನು ಹೊಲಿದು ಹಾಕಿದ್ದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ... ನಿನ್ನಲ್ಲಿ ನಾ ತ್ಯಾಗದ ಪ್ರತಿರೂಪವನ್ನು ಕಂಡಿದ್ದೇನೆ..

ನನ್ನ ಚಿತ್ತಾರ ಪುಸ್ತಕವನ್ನು ಕಂಡು
ನಿನ್ನ ಮೊಗದಲ್ಲಿ ಮೂಡಿದ್ದ ಆಸಕ್ತಿಯನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಮನೆಯಲ್ಲಿ ಯಾರೂ ಇಲ್ಲದಾಗ ನಿನ್ನ
ನೆಚ್ಚಿನ ಹಾಡನ್ನು ಗೋಣಗುತ್ತಿರುವುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ... ನಾನು ನಿನ್ನಲ್ಲಿ ಕಲಾ ಪ್ರೇಮಿ ತಂದೆಯನ್ನೂ ಕಂಡಿದ್ದೇನೆ..

ಕೊಟ್ಟ ಹಣವನ್ನೆಲ್ಲಾ ಖರ್ಚು ಮಾಡಿ ಬಂದು
ಮತ್ತೆ ನಿನ್ನ ಪೀಡಿಸಿದಾಗ ಕೊಡದೇ ಬೈದದ್ದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಬ್ಯಾಂಕ್ ಖಾತೆಯಲ್ಲಿ ಸಾವಿರ ರೂಪಾಯಿಯಂತೆ ಪ್ರತಿ
ತಿಂಗಳು ನನ್ನ ಭವಿಷ್ಯಕ್ಕಾಗಿ ಕೂಡಿಸುವುದನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ... ನನ್ನ ಜೀವನದ ಬಗೆಗಿನ ನಿನ್ನ ಮುಂದಾಲೋಚನೆಯನ್ನು ಕಂಡಿದ್ದೇನೆ..

ದಿನರಾತ್ರಿ ಎನ್ನದೆ ದುಡಿದು ಮನೆಗೆ ಬಂದಾಗ..
ಸುಸ್ವಾದ ನಿನ್ನ ಸಿಡುಕುಮುಖವನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಪ್ರೀತಿಯಿಂದ ಅಮ್ಮನಿಗೆ ನೀನು ತಿನ್ನಿಸುತ್ತಿದ್ದ..
ಕೈತುತ್ತು, ತೋರಿಸುತ್ತಿದ್ದ ಕಾಳಜಿಯನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಅಪ್ಪಾ.. ನಿನ್ನಲ್ಲಿ ಓರ್ವ ಆದರ್ಶ ಗೃಹಸ್ಥನನ್ನು ಕಂಡಿದ್ದೇನೆ..

ಸವಾಲುಗಳೇ ತುಂಬಿರುವ ನನ್ನ ಜೀವನದಲ್ಲಿ ನಿನ್ನ ಆಸರೆಯನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಕಲ್ಪಶವೇ ತುಂಬಿರುವ ಜಗತ್ತಿನಲ್ಲಿ ನಿಷ್ಕಲ್ಪಶ ತಂದೆಯನ್ನು ಕಂಡಿದ್ದೇನೆ..
ದೃಢವಾಗಿ ನಿಂತಿರುವ ನಮ್ಮ ಪರಿವಾರದ ಅಡಿಪಾಯವನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಸೋತು ನಿಂತಾಗ ನೀ ತುಂಬಿದ ಧೈರ್ಯ ಸ್ಫೂರ್ತಿಯನ್ನು ಕಂಡಿದ್ದೇನೆ..
ಇನ್ನೇನು ಹೇಳಲಿ ಅಪ್ಪಾ.. ಜೀವನದುದ್ದಕ್ಕೂ ನಿನ್ನಲ್ಲಿ ಅದ್ಭುತಗಳನ್ನೇ ಕಂಡಿದ್ದೇನೆ..



In the Embrace of Trees: A Poetic Ode to the Environment

Dr Shrisha H.S.
Associate Professor - CSE



Amidst the bustling world we tread,
Where city lights and noises spread,
A refuge lies, serene and grand,
A sanctuary blessed by nature's hand.

In the embrace of trees, we find,
A sacred space, a peace of mind,
Their branches reach, like arms they yearn,
To cradle souls, to soothe and learn.

They stand as guardians, strong and tall,
Preserving life, protecting all,
Through sunlit days and moonlit nights,
They breathe in harmony, Earth's delights.

Their roots delve deep, a network vast,
An intricate maze, the ages past,
They anchor soil with steadfast might,
Defying storms, defending light.

In forests green, a symphony plays,
A chorus of life, in wondrous displays,
Birds and beasts, and flora rare,
In unity, they form a prayer.

But heed the call, for time's at hand,
To cherish and preserve this land,
For in their arms, we find our worth,
A chance to heal, to mend the earth.

Let's plant anew, let forests grow,
Let love for nature freely flow,
With every step, with every choice,
Let's heed the call, let's raise our voice.

So, let us pledge to protect and care,
For the environment, a love so rare,
In this sacred dance, we're not alone,
In the arms of trees, we've found our home.

ಪೃಥ್ವಿ

ಸುಡುವ ಸೂರ್ಯನ ಪ್ರಥಮ ಕಿರಣದಿ ಜನಿಸಿಹಲು ಅವಳು..
ತಿಳಿನೀಲಿ ಅಕಾಶವನು ಕಣ್ಣಲೇ ತುಂಬಿಕೊಂಡವಳು..
ಹರಿವ ನೀರ ಸದ್ದನೇ ಗೆಜ್ಜೆಯನ್ನಾಗಿಸಿ, ಮೀನಿನ ನಡಿಗೆ ಇಟ್ಟವಳು..
ಬೆಳದಿಂಗಳ ಚಂದಿರನು ತಾಗುತಿಹನು ಕೊರಳಲ..
ದ್ರವತಾರೆಯೇ ಮಿಂಚುತಿಹುದು ಮಾಗುಬೊಟ್ಟಾಗಿ ಅವಳಲ..
ಕಗ್ಗತ್ತಲನ್ನೇ ಕಾಡಿಗೆಯಾಗಿಸಿಕೊಂಡವಳೆ ದೃಷ್ಟಿ ಬೊಟ್ಟೇಕೆ..?
ಕಾನವನೇ ಸೀರೆಯಾಗಿರುವಾಗ ಸಮೃದ್ಧತೆಯ ಕೊರತೆಯೇಕೆ..?

ನದಿ

ತಿಳಿನೀಲಿ ಬಾನು,ಹಿಚ್ಚು ಹಸಿರ ಕಾಡು,
ಶೃಂಗಾರ ಪುಷ್ಪಗಳು ನೇನರನ ಕಂಡು ಮುಗುಳ್ಳುಗಳು
ಪ್ರಶಾಂತವಾಗಿ ಹರಿಯುತ್ತಿರುವಳು ಅವಳು,
ಎಲ್ಲವನು ತನ್ನೊಳು ಪ್ರತಿಬಿಂಬಿಸಲು.



Priyanka
I MBA-B Batch



SJEC GRADUANDS - 2023



IV Year - A Section - Computer Science & Engineering



IV Year - B Section - Computer Science & Engineering



IV Year - C Section - Computer Science & Engineering



IV Year - A Section - Electronics & Communications Engineering



IV Year - B Section - Electronics & Communications Engineering



IV Year - Electrical & Electronics Engineering



IV Year - M1 Batch - Mechanical Engineering



IV Year -M2 Batch -Mechanical Engineering



IV Year - Civil Engineering



MBA - A Section - Master of Business Administration



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