



An Autonomous Institution
Affiliated to VTU, Belagavi
Approved by AICTE, New Delhi
Recognized by UGC under 2(f) & 12 (B)

Annual Report for the Academic year 2022-23

Dr. M V Jayaraman - the visionary founder of the MVJ Group of Institutions - was a man far ahead of his times. It is his thinking that underlines, defines, and shapes all the educational institutions under the auspices of the Venkatesha Education Society (VES) which he established as the first step towards revolutionizing the educational landscape of the country. MVJ College of Engineering was established in 1982 at Bangalore. Keeping pace with changing times and technologies, and evolving constantly, it has come a long way since its modest beginnings. Today, it is ranked among the front-line Engineering Colleges in Karnataka. The College was conferred with Autonomous status, from the Academic year 2019-20. The College is approved by AICTE, New Delhi, affiliated to VTU, Belagavi, and recognized by UGC with 2(f) & 12(B) status

Major Academic Activities Conducted During 2022-23

NBA Accreditation:

NBA accreditation was extended for three years to three programmes, Chemical Engineering, Electrical & Electronics and Information Science & Engineering from 2022-23 to 2024-25 (up to 30.06.2025) based on the NBA Expert team visit on 6th August 2022.

Alumni Meet 2022:

Alumni Meet was organized on 28th August 2022. The chief guest was Mr Subhadip Sarkar, Vice President, Cognizant Technology Solutions, Bangalore, (MVJCE Batch – 1995-1999, Mechanical Engineering). 120 Alumni attended the meeting.

Graduation Day:

MVJCE witnessed its 35th Graduation Day on 27.11.2022. The Chief Guest was Shri. A S Kiran Kumar, Former Chairman, ISRO. Certificates were distributed to all the Rank

holders and Graduates of UG 2021 and PG 2022 batches. Graduates received their degrees and a memento, in remembrance of all the good times at MVJCE.

Inauguration of I year Classes

MVJCE hosted the inauguration event for its newest batch of engineering students on 27.11. 2022. The chief guest was Dr Girish Deodhare, Director General, Aeronautical Development Agency (ADA), DRDO.

Founders Day 2023

- Founder's Day 2023: Celebrated the 96th Birth Anniversary of its founder, **Dr. M V Jayaraman** on May 17, 2023. The event was graced by esteemed Chief Guest, **Dr. Harirama K Acharya**, Head of the Neurosciences Department at Narayana Hrudayalaya Multi Speciality Hospital, and the Guest of Honour, **Dr. M J Mohan**, Secretary of Venkatesha Education Society and Chairman of MVJ Medical College & Research Hospital.
- ✓ The students of MVJ College of Engineering have bagged 9 University ranks in the University Examinations conducted by Visvesvaraya Technological University (VTU), Belagavi, for the academic year 2021-22. Each rank holder was awarded a cash prize of **Rs.25000** as well as a Certificate of Appreciation for his/her efforts.
- ✓ Three students, **Mr. Koushik A S** (1MJ19AE054, IV year), **Ms. Amritasri Shenoy** (1MJ20CS248, III year) and **Ms. Aishwarya B S** (1MJ21IS006, II Year), were the College Toppers for the academic year 2021-22. Each of them was awarded a cash prize of **Rs.5000**, along with Certificates of Appreciation, for his/her outstanding results.
- ✓ 23 students - both UG and PG from every department - who have secured the highest CGPA in all the semesters of III and IV years, were recognized as Class Toppers. These students were rewarded with an Appreciation Certificate and a cash prize of **Rs.2500**.
- ✓ **Ms. Bhumika M K** (1MJ19AE023, IV year, Aeronautical Engineering) was conferred the 'Best Outgoing Student' award for the academic year 2021-22, for exceptional all-round performances in Academics (CGPA 9.51), Sports and Innovative Project in the 8th semester. She was awarded a Cash

Prize of Rs.10000 along with a Certificate of Merit for her exceptional performance.

- ✓ Two students, **Ms. Amritasri Shenoy** (1MJ20CS248, III year, Computer Science Engineering) and **Mr. Joel Thomas Chacko** (1MJ18CS071, IV year, Computer Science Engineering), were recognized with a Certificate of Merit and a Cash Prize of Rs.5000 for securing the most S Grades.
- ✓ **Mr. Divi Pavan Sai** (1MJ18ME037) from Mechanical Engineering was the recipient of this year's 'Vinay Deepak Memorial Award', for his brilliant academic performance, securing a CGPA of 8.996 through all the 8 semesters. This special award has been instituted in memory of a Mechanical Engineering student, Mr. Vinay Deepak, who we lost in a train accident. Mr. Divi Pavan Sai was awarded a Cash Prize of **Rs.10000** and a Memento in the name of Vinay Deepak
- ✓ Students were rewarded with Certificates of Appreciation for their excellent performance in Sports, at State and National Levels. The MVJCE Men's and Women's Kho-Kho, Hockey, Handball and Athletics teams participated in Zonal level competitions, and won prizes at the State Level, too. Six of our students have been selected by VTU to represent VTU in the All India Inter University Championship.
- ✓ Besides these awards, Publications in Q1, and Q2 journals by Faculty members, and the outstanding results achieved by students in the PUC (Pre-University Course) examinations were also recognized and applauded.

VertechX Tech Fest 2023

- VertechX 11.0 - TECH IN MOMENTUM, the proudest event hosted by MVJCE, was conducted on 18th and 19th of May, 2023. The Chief Guest for the event was Shri Bharat Lal Meena, IAS. Vertechx 11.0 was a collection of 29 trendy events from 10 departments - 15 workshops, 4 tech talks with a cash prize of 5 Lakhs.

Toastmasters Club @MVJCE

Ms. Rachana Kulkarni, a 3rd year CSE student has been selected as the Area director of Area E3; The first member of MVJCE Toastmasters club to have been selected in the district officers of district 92. MVJCE Toastmasters club is now PRESIDENT'S DISTINGUISHED CLUB, the highest status a club in toastmasters can achieve

Implementation of all the verticals in MVJCE Autonomous- 2022 Curriculum

VTU has looked into the guidelines of AICTE and recommendations of NEP 2020 and decided to implement all the recommendations by revising its curriculum.

VTU has provided guidelines to all the colleges which are in line with the recommendations of NEP 2020 and VTU has revamped its curriculum for the same.

VTU has instructed all the Autonomous Colleges to follow the scheme provided by VTU without changing the credit structure. The Salient features of the curriculum are:

- Engineering Streams are majorly classified into Computer Science (CSE, ISE, AI & ML, CSD, DS) Electrical & Electronics (ECE, EEE, IIoT) Mechanical (ME, AE, AS, CH) and Civil (Civil, Transportation and Structural)
- Curriculum is made Industry relevant, application-oriented and branch relevant
- Ability Enhancement courses are introduced from first year.
- Students' needs are addressed: Both slow & fast learners
- Choice Based Credit System is implemented to a larger extent
- Ample opportunities for exploration by the students
- Implementation of Integrated Courses from the first year
- Handbook of formulae to reduce memorization
- Lab is introduced for Mathematics.
- Scientific Foundations of Health and Innovation & Design Thinking Courses are introduced in the first year.
- Electives are introduced from first year.
 - ✓ Programming Language Course.
 - ✓ Emerging Technology Course
- Engineering Science Course (C Programming, Basic Electronics, Electrical, Civil, and Mechanical).
- Lab experiments/programs shall be classified as Demonstration, Structured Inquiry and Open-ended experiments/programs
- 25 to 30% variation of experiments in P & C subjects, stream-wise

VTU has also given guidelines to all the Autonomous Colleges to follow the scheme given by them. The guidelines given by VTU are:

- Autonomous Colleges shall make 40% changes in the syllabus.
- More courses may be added in electives, emerging technologies and Programming language Courses.

MVJCE has introduced several innovative programmes (verticals) like Idea box, Tomorrow's Engineers, Tinkering lab, FSIPD, etc., in a progressive manner since 2015-16 so that our students may be exposed to industry-related activities and be Industry-ready when they graduate. These activities are conducted in addition to their curriculum. We have to incorporate all the suggestions and design a new curriculum in which all these innovative activities (verticals) will be given credits to recognize students' innovative ideas.

Sl. No.	AEC Course	No. of Credits in a semester
1	Idea Box - Innovation	2
2	Tomorrow's Engineers – Engineering Solution to Societal Problems	2
3	Tinkering Lab – Experiment and Conceptualize	2
4	UAV – Develop Drones	2
5	Astronomy – Explore the space	2
6	Robotics and Industrial Automation Lab – Design Robots	2
7	IoT – Connecting the world	2
8	FSIPD – Ideas to Product	2
9	Software Development - Code your ideas	2
10	LabVIEW – Graphical Programming	2
11	CNC Programming – Advanced Manufacturing	2

- All the mentioned Courses in different verticals will be offered as Ability Enhancement Courses from IV semester to VII Semester (A course will be offered with a maximum strength of 90).
- All the mentioned courses will be offered concurrently. Hence, any student can opt for any vertical in a semester during his/her 4 years of study in the campus.
- For 2021 scheme, VTU provided AEC Courses (Department Specific).

- VTU gives a minimum of two Ability Enhancement Courses (AEC), every semester.
- MVJCE – AEC courses (Verticals) will be added as a third course in each semester and a student can select any one course.

Sl. No.	AEC Course	Semester	Level	Credits
1	For Eg: Course-1: Idea Box	IV	Level -1	2
		V	Level-2	2
		VI	Level-3	2
		VII	Level-4	2

- Lateral entry students will join late during 3rd semester. Hence, the AEC Courses will be offered from 4th semester.
- For all the verticals, four levels will be designed to be offered from IV to VII Semesters.
- Students can select any one course and progress in the same.
- These courses are planned for 15 hours of teaching/Hands-on session. The credit distribution will be matched with VTU.
- Faculty will handhold students in framing the problem statement. Students will be encouraged to come out with the prototype/working model/design.
- *The evaluation will be done based on the two presentations and reports submitted by students.*

Institute Research Promotion Centre (IRPC) and Research Monitoring Committee (RMC) was constituted on **13.09.2022** to monitor, strengthen and promote the research activities at MVJCE on a continuous basis.

Research Monitoring Committee		
1	Dr. Sunil S Waddar, Associate Professor, Dept. of ME	Chairman
2	Dr. Arunagiri, Associate Professor, Dept. of AE	Member

3	Dr. Utsab Banerjee, Assistant Professor, Dept. of ECE	Member
4	Dr. M Thilagaraj, Associate Professor, Dept. of IIoT	Member
5	Dr. Debalina Bhattacharjee, Associate Professor, Dept. of Physics	Member

The objectives of IRPC and RMC are:

- To Initiate actions to promote the R&D activities at all the departments suggest implementable strategy/action plan.
- To Motivate all the faculty of Institution to involve in various R&D activities. Identify experts to motivate and train faculty to write proposals and apply to funding agencies.
- To continuously encourage research, collaborations, and consultancy among the faculty.
- To motivate faculty and students to write technical papers and publish in Scopus/Web of Science Journals.
- To engage master's degree students in R&D Projects and guide them to write and publish papers.
- To ensure all departments organize conferences and publish papers in Scopus/Web of Science Journals.
- To encourage faculty members to register as a Research Supervisor in VTU and assist faculty members who have not registered for Ph.D. to register in MVJCE's Research Centre.
- To identify the bright students from master's degree courses and motivate them to register for doctoral degree in MVJCE's Research Centre.
- To Motivate faculty to attend conferences and workshops organized at reputed Institutions.
- Five Research and Development Meetings were conducted, once in Fortnight with Dr. V Bhujanga Rao, Former Distinguished Scientist & Director General, DRDO.
- An Interactive session for Research Faculty with Dr. S Gopalakrishnan, Professor, Department of Aerospace Engineering, IISc, Bangalore was organised on 22.12.2022.
- 11 Interdisciplinary lectures were organised from 06.10.2022 to 11.01.2023 from the faculty of various departments.

- Importance of pursuing Doctoral Degree, How to take up research projects, How to Publish papers and to carry collaborative research is disseminated in the Interdisciplinary lectures organised.
- Drafted and circulated the Guidelines to Organise International/National Conferences and Publish Papers in Scopus Indexed Journals to all the Departments.
- Drafted and Circulated format to prepare white papers for the discussions with Dr. S Gopalakrishnan, Professor, Department of Aerospace Engineering, IISc, Bangalore.
- The Circulars and Notifications related to VTU Ph.D. Registrations, Results announcements, Presentations of Pre Ph.D. are circulated with the faculty on regular basis.

The publications Details and R & D projects submitted to funding agencies and sanctioned in the academic years are provided in Annexure-2 (P. No. 145 to 171)

SI.No.	Department	Number of Papers Published
1	Aerospace Engineering and Aeronautical Engineering	05
2	Chemical Engineering	Nil
3	Civil Engineering	02
4	Computer Science and Engineering	03
5	Electrical and Communication Engineering	Nil
6	Electrical and Electronics Engineering	02
7	Information Science and Engineering	Nil
8	Mechanical Engineering	04
9	Basic Science	05
Total		21

1. Guest Lectures/seminars organized:

Department of Aeronautical and Aerospace Engineering:

- Organized a Guest lecture on Composite Structures” on 16th November 2022, Mr.Lakshminarasimha, DGM, Aerospace Composite Division, HAL, Bangalore was the Resource Person.
- Organized a “Guest Lecture-on Aircrafts and Helicopters Indian Scenario” on 16th December 2022, Mr. Ashok Asery, Vice Chairman, Aeronautical Society of India, Bengaluru was the Resource Person.
- Organized a “Guest lecture on Capability Enhancement” on 7th January 2023, Mr Abhishek, Airframe Engineering, AIRBUS, Bengaluru was the Resource Person.
- Organized a “Guest lecture on Design of Electric and Hybrid Transport Aircraft” on 17th January, Dr Rajkumar S Pant, Professor, Department of Aerospace Engineering, IIT Bombay was the Resource Person.
- Organized a “Guest Lecture on Radio Astronomy” on 20th January 2023, Ms Das Mousumi, Astrophysicist, Indian Institute of Astrophysics, Bengaluru was the Resource Person.
- Organized a “Guest Lecture on Aircraft design” on 24th January, Mr. Badri Narayana, Subject Matter Expert, K Tech Centre of Excellence in Aerospace and Defense, VTU Office, Bengaluru was the Resource Person.
- Guest Lecture on ‘UAV, based on product development and entrepreneurship’ (Check), on 17th February 2023. Shri Jitesh Sachdeva, Scientist, F UAV Panel Member, ADE, Bengaluru, was the Resource Person.
- Guest Lecture on ‘Flight Mechanics’, on 4th March 2023. Shri J. V Kamesh, OS & Scientist, H ADA, Bengaluru, was the Resource Person.

Department of Chemical Engineering:

- Organized a National Commemorative Day Event on “Food-Energy-Water Nexus: Challenges and Recent Developments” on 16th November 2022, Dr.Ganapathi Patil, Senior Scientist II at Novozymes South Asia Pvt. Ltd., was the Resource person.
- Organized a National Commemorative Day Event on “Revolution of Industrial Chemistry to industrial Chemical Engineering” on 27th July 2022,

Dr.B.Nagappa, Former Senior Scientific Officer, Karnataka State, Pollution Control Board, was the resource person.

- Guest Lecture on 'Export and Import of Chemicals and Allied Products', on 10th June 2023. Mrs. Vijayalakshmi, Team Management Head, Import/Export Operations, SAP Portal, was the Resource Person.

Department of Civil Engineering:

- Organized a Guest lecture on "Challenges in Metro Construction" on 7th December 2022, Sri. G.C.Shivakumar, Chief Engineer, Planning and Design, BMRCL, Bangalore was the Resource Person.
- Organized a Guest lecture on "Challenges and Opportunities in Geotechnical Engineering" on 7th January 2023, Dr. G.L.Shivakumar Babu, Professor, IISc., Bangalore was the Resource Person.
- Celebrated 55th Engineers day on 15th September 2022 at Smt. Rajalakshmi Jayaraman Seminar Hall. The resource persons: Shri. Sankaran, Director, U R Satellite Centre (URSC), Bangalore.

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design:

- Organized Guest Lecture on 'Insights of Mongo DB' on 18th November 2022 in association with AI&ML. Mr.Purushottam Kumar, Corporate Trainer for Cranes Varsity Ltd, Bangalore was the Resource Person.
- Organized Guest Lecture on 'Datafication' on 20th January 2023 in association with AI&ML, CSD. Mr.Mohan.H.M, Data Analyst, Datafication Expert, Digital Shark Technology pvt. Ltd., Bangalore was the Resource Person.
- Organized Guest Lecture on 'Analysis & Design of Algorithm' on 21st January 2023 in association with AI&ML. Mr.Ranjan Sathish, Founder Director, Waylink Pitstop solutions, Bangalore was the Resource Person.
- Guest Lecture on 'Computer Security', on 24th February 2023, for 6th semester students. The Resource Person was Mr. Karthik Rao, Head, CySeck, Karnataka State Cyber Security.
- Guest Lecture on 'Python Programming', organised by the Software Development Club, for 6th semester students. Mr. Sudheendra G, Senior

Manager, Strategic Automation Program, Ericsson, Bangalore, was the Resource Person. The session was complemented with an activity for the students, on 21st April 2023.

- Guest Lecture on 'Data Analytics - Power BI, MS Excel with VBA, Tableau', for 6th semester students, on 13th April 2023. The Resource Person was Mr. Satprem Rath, Technical Lead, Data Scientist, RDAIabs LLC, Bangalore.
- Guest Lecture on 'Emerging Technologies in Computer Science', on 29th April 2023, for 6th semester students. The Resource Person was Mr. Raghvendra Natraj, SAP - Product Expert, Bangalore.
- Guest Lecture on 'Computing – AIML', on 2nd May 2023, for the 6th semester students. Mr. Baikuntha Narayana Biswal, Assistant Vice President, CLM Transformation, Deutsche Bank Group was the Resource Person.
- Guest Lecture on 'R language', for 6th semester students, on 12th May 2023. The Resource Person was Mr. Murugadoss, Big Data Trainer in Sage IT, MNC Bangalore.
- Guest Lecture on 'Cryptography and network security' on 28th June 2023, for 4th semester students . Mr Kamalesh Joshi, Principal advisor, CISCO was the resource person.

Department of Electronics & Communication/Industrial IoT:

- Organized a Guest Lecture on "Space for all and its Opportunities" on 23rd December 2022 in association with Industrial IOT, Ms. A. Vijaya Bhanu, Deputy Director, PD Indian National Space Promotion and Authorization Centre was the Resource Person.
- Organized a Guest Lecture on "Human Vs Machine Intelligence" on 10th December 2022 in association with Industrial IOT, Mr.Ajith Clarence, Senoir Engineer, AMD, Bangalore was the Resource Person
- Organized Guest Lecture on "Motivational session by successful Innovator " on 24th December 2022, in association with IIC, Mr.Arjun R, Chairman and MD of Paryaavameer Engineers and Consultants Pvt.Ltd., Bangalore was the resource person.

Department of Electrical & Electronics Engineering:

- Organized a Guest Lecture on 'Digital Signal Processing: Past, Present and Future' on 5th December 2022. Dr. Ashok Rao, Director, NIE Mysore, Former Head, Network Project. CEDT, IISc, Bangalore was the Resource Person.
- Organized a Guest Lecture on 'Effect of Green Energy on Indian Energy Sector' on 13th January 2023. Ramesh Babu Darla, Sr Engineer at CISCO was the Resource Person.
- Organized a Guest Lecture on 'Applications of Robotics in Electrical Industries' on 21st February 2023. Jishnu R Krishnan, Robotics Engineer, ANSCER Robotics was the Resource Person.
- Guest Lecture on 'Contribution of Micro Inverters in Growth of Solar Power Applications', on 21st February 2023, at Seminar Hall 4, MVJCE. The Guest Speaker was Mr. Nanda Kishore L, Deputy Manager, BHEL, Bangalore.
- Guest Lecture on 'Latest Design Trends in Embedded Systems', on 9th May 2023, at Seminar Hall 4, MVJCE. The Guest Speaker was Dr. Rathna G. N, Principal Research Scientist, IISc., Bangalore.
- Guest Lecture on 'Technology of Batteries for Energy storage and Use' on 28th June 2023. The Guest Speaker was Mr. Ashok Nagarkatti, Technical Adviser Lithium ion batteries, HBL Power Systems Ltd.

Department of Information Science & Engineering/Data Science:

- Organized Guest Lecture on 'Serverless computing' on 19th November 2022 in association with CSE(DS). Rajat Agarwal, Principal Software Engineer, First American(India), Bangalore was the Resource Person.
- Organized Guest Lecture on 'Big data analytics' on 14th December 2022 in with CSE(DS). Darshan Viswanath, Senior Engineer Manager, Mynta, Bangalore was the Resource Person.
- Guest Lecture on 'Cloud Computing Technologies', on 8th April 2023. Mr. V. Udai Kumar, Senior Software Architect, Mercedes Benz Research and Development, Bengaluru, was the Resource Person.

Department of Chemistry:

- Organized a **Guest Lecture** on "XPS and XRD : Fundamentals and applications on 28th January 2023 Dr. Parathasarathi Bera , principal scientist NAL , Bengaluru was the Resource person.

Department of Mechanical Engineering:

- Organized a **Guest Lecture** on "**Material and Structural Test Solutions**" on 16th July 2022 in association with IIEC and IQAC-MVJCE. Dr. Ankur Kulkarni, General Manager, ITW India Pvt. Ltd., Bangalore was the Resource Person.
- Organized a Seminar on "**Significance of Stress Analysis for Mechanical Engineers**" on 02nd November 2022 in association with IIEC and IQAC-MVJCE. Dr. Shashidhar S, Principal Engineer and Subject Matter Expert-Composites, Collins Aerospace Ltd., Bangalore was the Resource Person.
- Organized a **Guest Lecture** on "**Battery Materials**" on 16th December 2022 in association with IIEC and IQAC-MVJCE. Mr. Robin George, Vice President, Log9 Materials, Bangalore was the Resource Person.
- Guest Lecture on 'Recent Advances in Manufacturing Technology', on 11th February 2023. Dr. T Ram Prabhu, Director, DRDO, Bengaluru, was the Resource Person.
- Guest Lecture on 'Engineering Materials', on 25th February 2023. Mr. Saurabh, Principal Engineer, Collins Aerospace, Bengaluru, was the Resource Person.
- Guest Lecture on 'Career Opportunities for Mechanical Engineers', on 14th April 2023. Mr. Rabindra Sah, Chief Engineer, Tata Technologies, Bengaluru, was the Resource Person.
- Guest Lecture on 'Engineering Thermodynamics', on 16th June 2023. Dr. Gantayata Gouda, Consultant, IDST CEMILAC, & Former Group Director and Scientist H, CEMILAC, DRDO, was the Resource Person.

Department of Mathematics:

- Organized a **Guest Lecture** on '**Artificial Intelligence and Numerical Methods in Data Science: Recent Trends and Future Outlook**' on 2nd July 2022. Dr. G N Mohapatra, Principal Scientist, CSIR Fourth Paradigm Institute, NAL Belur Campus, Bangalore was the Resource Person.

- Organized a Guest lecture on '**Applications to differential equations**' by Prof. Thirupathi Gudi, Professor, IISc Bangalore on 21st January 2023.
- Guest Lecture on 'Applications of Calculus in Engineering', on 25th February 2023. Dr. Veerappa Gowda, Raja Ramanna Fellow, Former Professor and Dean, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Bangalore, was the Resource Person.
- Guest Lecture on 'Mathematics in Modern Era', on 11th March 2023. Dr. Kantha Rao Bhimala, CSIR 4PI, was the Resource Person.

Department of PHYSICS

- Organized a Guest lecture on '**Applications Of nanomaterials in Engineering**' by Dr. K.Sakthipandi, Professor, SRM Trichy on 04th July 2022.
- Organized a Guest lecture on '**Nano Electronics**' by Dr. Bhagaban Behera, Senior Scientist, CSIR NAL Bangalore on 24th January 2023.

Department of Chemistry

1. Guest Lecture on 'Solid state Chemistry and Biosensors', on 14th March 2023. Dr. C. Shivakumara, Principal Research Scientist, IISc., Bangalore, was the Resource Person.
2. Industrial visits organized:

Department of Aeronautical and Aerospace Engineering:

- Organized an Industrial visit on 26.11.2022 HAL Engine Overall Division, for VIII semester (Sec A& B) students of Aeronautical Engineering. 39 students visited HAL
- Organized an Industrial visit on 10.12.2022 HAL Engine Overall Division, for VIII semester (Sec B) students of Aeronautical Engineering. 39 students visited HAL.
- Organized an Industrial visit on 21.12.2022 HAL Engine Overall Division, for VIII semester (Sec A) students of Aeronautical Engineering. 40 students visited HAL.

- Organized an Industrial visit on 24.12.2022 HAL Engine Overall Division, for VIII semester (Sec AS) students of Aeronautical Engineering. 40 students visited HAL.
- Aeronautical Engineering students from 6th semester 'A' section visited Hindustan Aeronautics Limited (HAL), Helicopter Division, Bengaluru, on 6th May 2023.
- Aeronautical Engineering students from 6th semester 'B' section visited Hindustan Aeronautics Limited (HAL), Helicopter Division, Bengaluru, on 13th May 2023.
- Aerospace Engineering students from 6th semester visited UR Satellite Centre, Indian Space Research Organization (ISRO), on 15th May 2023.

Department of Chemical Engineering

1. Industrial Visit to Khanal Foods, 3rd Phase, KIADB Industrial Area, Malur, Karnataka, on 1st June 2023, by students of 6th and 7th semesters.
2. Industrial Visit to Biomethanation Plant, Koramangala Industrial Layout, Koramangala, Bengaluru, on 27th May 2023, by the students of 6th and 8th semesters.

Department of Civil Engineering:

- Organized an Industrial Visit on 30.11.2022 to Bangalore Metro Rail Construction (BMRCL), Bangalore for VII semester students of Civil Engineering, 56 Students visited BMRCL.
- Organized an Industrial Visit on 30.11.2022 to National Institute of Rock Mechanics (NIRM), Banashankari, Bangalore for III & V semester students of Civil Engineering, 54 Students visited NIRM.
- Industrial Visit on 2nd June 2023 to NIRMITHI Kendra, Construction Site of a school building located in Nelamangala, Bangalore, by 4th and 6th semester students. 57 students and 2 faculty members visited the site.
- Industrial Visit on 2nd June 2023 to the Department of Archaeology, Rangasthala, Bangalore, by 8th semester students. 53 students and 3 faculty members visited the site.

Department of Electronics & Communication/Industrial IoT:

- Organized an Industrial visit on 09. 12. 2022 to URSC-ISRO, Bangalore for V semester (Sec B) students of Electronics and Communication Engineering. 47 students visited U.R. Rao Satellite Centre Division.
- Organized an Industrial visit on 16. 12. 2022 to URSC-ISRO, Bangalore for V semester (Sec C) students of Electronics and Communication Engineering and III Semester students of Industrial IOT. 37 students visited U.R. Rao Satellite Centre Division
- Industrial Visit to ISRO, URSC Division, Bengaluru, on 17th March 2023.
- Industrial Visit to ISRO, URSC Division, Bengaluru, on 31st March 2023.

Department of Electrical & Electronics Engineering:

- Organized an Industrial visit on 28.11.2022 to 'Yelesandra Solar Power Plant' for VII semester stud Electrical and Electronics Engineering students.
- Organized an Industrial visit on 24.11.2022 'Vijaya Transformers' for V semester stud Electrical and Electronics Engineering students
- Organized an Industrial visit on 04.01.2023 'Hoodi Substation' for III semester students of Electrical and Electronics Engineering. 32 students visited the substation.
- Industrial Visit on 10th March 2023 to Yelesandra Solar Power Plant, by 6th semester students. 32 students visited the solar power plant.

Department of Information Science & Engineering/Data Science:

- Organized an Industrial visit on 28.12.2022 to CDAC, Bangalore for VII semester students of Information Science and Engineering.50Students visited CDAC.

Department of Mechanical Engineering:

- Organized an Industrial visit on 09.07.2022 to BEML Bangalore Complex for VI semester (Sec A) students of Mechanical Engineering. 45 students visited BEML

- Organized an Industrial visit on 09.12.2022 to MOOG India Technology Centre Pvt. Ltd. for V semester students of Mechanical Engineering. 36 students visited MOOG India Technology Centre Pvt. Ltd.

3. Workshops/STTPs organized:

Department of Aeronautical and Aerospace Engineering:

- Organized Two-day Workshop on 'UAV Construction' 13th and 14th January 2023 by the UAV Club, MVJCE. 30 participants from the 1st and 3rd Semester of Student Club members, MVJCE, attended this Workshop, enthusiastically. Prof. Tamilselvam Nallusamy organized the event, along with the organizing committee comprising Karthik Reddy, President of the UAV Club.
- Five-day Faculty Development Program on 'Emerging technologies in Aircraft Design', from 23rd to 27th May 2023, by the departments of Aeronautical and Aerospace Engineering, MVJCE. 35 participants registered and attended this program.

Department of Civil Engineering:

- Organized a three-days Value Added Course on "Rebar Scheduling and Detailing" from 8th December 2022 to 10th December 2022 at Seminar Hall 6. Mr. Nagendra Kumar, Director at Sterling Engineering, Mr. Nagendra R Senior, Director at Stredent Techno Clinic and Mr. Yogananda Tandra CAD-Manager-Structures-ARCADIS are trained the students on Rebar Detailing and Scheduling. 81 Students and faculty members of the Department of Civil Engineering are participated in the Value Added Course.
- 3-day workshop on 'Application of GIS in Civil Engineering', from 23rd to 25th February 2023. Dr. Devendra Singh Rawat (Scientist - III, National Institute of Rock Mechanics (NIRM), Bangalore), Dr. Yogendra Singh (Scientist - III, National Institute of Rock Mechanics (NIRM), Bangalore) and Mrs. Nidhi Misra (Director, State Unit: Kamataka & Goa, GSI, Bangalore) were the Resource Persons. 93 students and all the faculty members from the Civil Engineering department participated in this workshop.

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design:

- Organized a one-day Workshop on **"IPR & IP Management for Start -ups"** in association with ECE Department on 6th January 2023, at MVJ Auditorium. Dr.Ramakrishna Murthy, Founder, Inbha IP Solutions Pvt. Ltd. Bangalore trained students about IPR and startups. 100 students and faculty members participated in the Workshop.
- Organized a one-day Workshop on **"Cyber Security"** in association with CSD Department on 6th January 2023, at Smt.Rajalakshmi Seminar Hall. Mr.Pushpas Vuppalapathi ,Security Tester, Temenos Inida Web App Security Temenos, Bangalore trained students about Cyber Security. 100 students participated in the Workshop.
- STTP on 'Image Processing' on 27th May 2023, for the 6th semester students. Mr. Pranav Durai, Computer Vision Engineer at BIG Vision, was the Resource Person.

Department of Electronics & Communication/Industrial IoT:

- Organized a one-day Workshop on **"IPR & IP Management for Start -ups"** in association with CSE Department on 6th January 2023, at Dr M V Jayaraman Auditorium. Dr.Ramakrishna Murthy, Founder, Inbha IP Solutions Pvt. Ltd. Bangalore trained students about IPR and startups. 300 students and faculty members participated in the Workshop.
- Organized a one-day Workshop on **"Raspberry PI- IOT"** in association with Industrial IoT Department on 26th November 2022, at Seminar hall 4. Dr Vivek Yoganand Senior Technical Support Engineer, Red Hat, Bangalore Bangalore trained students about hardware and software portion of Raspberry PI. 125 students and faculty members participated in the Workshop.
- Organized a two-day **Introductory Workshop on Robotics** under CoE in Robotics and Industrial Automation in association with Industrial IoT Department on 5th and 6th January 2023, at Robo lab. On the first day Dr. P. Murali Krishna, Scientist-F, CAIR DRDO, Bangalore trained students about the basis of applications of robotics in defence and on second day Dr. Koushik Das (Scientist, TCS Research Innovation Lab) and his team Mr. Aditya Choudhary, Mr. Hardik Mehta, Mr. Vismay Vakharia, and Mr. Kameswar Rao trained the participants on ROS software and Gazebo Simulation. 40 students from ECE, ISE, CSE, and AI/ML participated in this workshop.

- Organized a two-day Workshop on “**3D Printing and PCB Designing**” under CoE in Robotics and Industrial Automation in association with IoT Department on 19th and 20th December 2022, at Robo lab. On the first day Dr. V. S. Gangwar, Scientist, DRDO trained students about the basis of 3D printing and its applications in RF and Microwave field and on second day trained about PCB designing. 40 students from ECE 3rd and 4th Year participated in this workshop.
- Organized a two-day Workshop on “**Introduction to Architecting of smart IOT devices**” in association with IoT Department on 14th and 15th December 2022, at Seminar hall 4. Dr.T. Rajesh, Technical lead Engineer, IEP Solutions, Bangalore trained students about key concepts on Introduction of IOT technology and ESP32 followed by the application of internet of things. 75 students and 10 faculty members participated in this workshop.
- Certificate Course on ‘LabVIEW for Graphical System Design’ on 12th December 2022, from 6th April 2023.
- Workshop on ‘Virtual Programming’, on 21st and 29th April 2023. Mr. M. Ponnaiah, LabVIEW Developer, NIVE Technologies and NIVE Systems Pvt. Ltd., Bangalore, was the Guest Speaker.
- Pre-Conference Workshop of ‘3rd International Conference on Design Innovation for 3 Cs – Compute-Communicate-Control’, on 16th February 2019. Dr. Alex Noel (Professor, Shantou University, China), Prof. Shaik Majeeth (Professor, SEC, Chennai), Prof. V. N Dabadde (IETE, Bangalore) and Mr. Satyanarayana Marni (Senior Engineer, Synopsis) were the Resource Persons.
- Workshop on ‘M2M and IOT Interfacing Design Protocols for Embedded Systems’, on 14th and 15th June 2023. Dr. Kurian Polachan (Assistant Professor, IIIT- Bangalore) and Dr. Ishu Gupta (Scientist D, Department of Computer Science, IIIT- Bangalore) were the Guest Speakers.

Department of Electrical & Electronics Engineering:

- Organized a **3-Days Value Added Course** on ‘**Insights to Lab-View**’ from 10th October 2022 to 12th October 2022, at NI Lab View Lab. Dr. Thilagaraj, Associate Professor, ECE Department, MVJCE trained students on tools used in NI Lab View. 49 students and faculty members of the Department of Electrical and Electronics Engineering participated in the Value-Added Course.

- Organized a **3-Days Short-Term Training Program on 'Circuit Simulation using NI-Multisim'** from 19th December 2022 to 21st December 2022, at NI Lab View Lab. Nagarajan Gurunathan, Lead Engineer and Manimaran Asaithambi, Assistant Manager of VI solutions, Bangalore trained students on fundamentals of circuit building in NI Multisim. 32 students and faculty members of the Department of Electrical and Electronics Engineering participated in the STTP.
- Organized a **3-Days Workshop on 'Artificial Intelligence and Machine learning in the field of Electrical and Electronics Engineering'** from 22nd December 2022 to 24th December 2022, at Rajalakshmi Seminar Hall. Mr. Apoorva Ankad, Co-Founder Deevia Software (India) Pvt. Ltd, Mr. Sandeep Kumar E, Asst. Manager, Robert Bosch Engineering and Business Solutions India and Joydeep Bhattacharjee, Senior Machine Learning Staff Engineer at Samsung Semiconductor India trained students on fundamentals and applications of AI in the field of EEE. 112 students and faculty members of the Department of Electrical and Electronics Engineering participated in the workshop.
- 3-day STTP on 'IoT Applications for Electrical and Electronics Engineering', from 11th to 13th May 2023. The Guest Speakers were Mr. Devadas Pai. B (CEO at Nano Cell Networks, Bangalore), Mr. Shailendra Chandrashekar (Staff Project Manager, TE Connectivity, Bangalore), Mr. Nishanth (System Design Engineer, TE Connectivity, Bangalore) and Ms. Shivangi (Team Lead, TE Connectivity, Bangalore).

Department of Information Science & Engineering/Data Science

- One-day workshop on 'Python Programming', on 11th March 2023. Mr. Ayush Balichwal, Kodnest, was the Resource Person.

Department of Mechanical Engineering:

- Organized a three-day Workshop on "ANSYS" from 08th July 2022 to 11th July 2022, at Smt. Rajalakshmi Jayaraman Seminar Hall and Seminar Hall 06. Mr. Manu Ravindra, Lead Engineer – Design Division, Polymer Products of India Ltd, Bangalore, Mr. Subhashchandra Ganiger, Stress Engineer (PL-L7), Cyient India Ltd, Bangalore and Mr. Saurabh Prasad, LANDING GEAR Principal Engineer, trained students on tools used in ANSYS Workbench. 65 students

and faculty members of the Department of Mechanical Engineering participated in the Workshop.

Department of Physics and Chemistry

- Departments of Physics and Chemistry organized a Short-Term Training Program on 'Materials for Engineers', from 8th to 10th March 2023. The Resource Persons were Dr. Bonu Venkatramana (Senior Scientist, NAL), Dr. Koustabh Barat (Senior Scientist, NAL), Dr. Santhanakrishna. G (Senior Scientist, NAL), Dr. Amit Nayan (Scientist, IISc., Bangalore), Dr. Lakshmi R.V (Principal Scientist, NAL) and Dr. Mayuri P.V (Scientist, IISc., Bangalore).

4. Department Technical club Activities organized:

Department of Aeronautical and Aerospace Engineering:

- Organized a Club activity, Astronomy on 20.12.2022. The Chief Guest: Mr Sajeesh Pilakkat, Director-Principal Engineer, Cap Gemini Engineering, Bengaluru. 250 students participated in the interactive session and learned about the Telescope and its applications.
- Workshop on 'Drone Piloting Software Edition' by UAV Club, from 2nd to 16th May 2023. 50 students participated in this interactive workshop and learned about the software edition of Unmanned Aerial Vehicles.
- Club activity, Astronomy, on 16th May 2023. The Chief Guest Dr. Chrisphin Karthick. M (Indian Institute of Astrophysics [IIA], Bengaluru, Scientist C & Deputy Head, Indian Institute of Astrophysics) gave a lecture on 'Telescopes and Functions of Observatories'.

Department of Civil Engineering:

- Organized a Club activity, "Model making of Campus Layout for LEED Certification "on 06.12.2022. The Chief Guest: Mr.C.R.Manjunath, Environmental Officer, Regional Head for Sarjapur Jurisdiction, Karnataka State Pollution Control Board (KSPCB), Bengaluru.
- Organized a Club activity, "Air Quality Modelling for the given location" on 07.01.2023. The Chief Guest: Dr. G.L.Shivakumar Babu Professor, IISc., Bangalore.
- Organized a Club activity, "CAD Plot" on 09.01.2023. The Chief Guest: Mr.Vikas Chandra, Executive Engineer, Bangalore Metro Rail Corporation Limited (BMRCL), Bangalore.

- Organized a Club activity, "Civil Coding" on 21.01.2023. The Chief Guest: Mrs. Praveena Das Jennifer, Scientist III, National Institute of Rock Mechanics Bangalore.
- Club activity 'Pipe Tycoon', on 27th February 2023. The Resource Person was Mr. G.S. Manjunatha (Assistant Environmental Officer, Karnataka State Pollution Control Board (KSPCB), Bengaluru).
- Club activity 'Geological Model', on 28th February 2023. The Resource Person was Dr. Sripad R Naik (Scientist V, and Head of the Department, National Institute of Rock Mechanics [NIRM], Bengaluru).

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design:

- Organized a Club Activity, "NIC club event on Algorithm Unlock" on 19th November 2022. Mr.Naveen.N, Technical Lead, Singapore Infotech Pvt. Ltd. Bangalore was the Chief Guest.
- Organized a Club Activity, "SDC Club event on App Architecture Development" on 21st January 2023. Mr.Ranjan Satheesh, Founder & Director, Waylink Pitstop Solutions, Bangalore was the Chief Guest.
- Organized a Club Activity, "NIC club event on Networking Standards" on 20th January 2023. Mr.Mohan.H.M, Data Analyst, Datafication Expert, Digital Shark Technology pvt. Ltd., Bangalore was the Chief Guest.
- NIC Club conducted an activity on 'Pseudo Program Nerds', on 11th March 2023, for 6th semester students. It was evaluated by Mr. Supreeth B. S (Senior Developer, Birla Soft).
- Tensorflow Club – AIML, conducted a Club activity on 'Tensor Tech Bytes', on 11th March 2023, for 6th semester students. It was evaluated by Mr. Supreeth B. S (Senior Developer, Birla Soft).
- Software Development Club – CSE, organised a Club activity on 'Python Programming', for 6th semester students, on 21st April 2023. It was evaluated by Mr. Sudheendra. G (Senior Manager, Strategic Automation Program, Ericsson, Bangalore).

Department of Electronics & Communication/Industrial IoT:

- Organized a Club activity, "Robo Challenge" under CoE in Robotics and Industrial Automation on 7th January 2023, Mr. Gowrish Banavathi Viswanath, Specialist at Robert Bosch Engineering and Business Solutions Private Limited was the Chief Guest.
- Organized a Club activity, "Robo Soccer Competition" under CoE in Robotics and Industrial Automation on 26th December 2022, Mr. Gowrish Banavathi Viswanath, Specialist at Robert Bosch Engineering and Business Solutions Private Limited was the Chief Guest.
- Organized a Club activity, "E-Forza Club event on Smart Applications Development Using Electronic Waste" on 17th December 2022, Mr. Venkatesh Murthy Principal Engineer Qualcomm was the Chief Guest.
- Club activity on 3rd and 4th March 2023, on 'Analog Circuit Design Challenge'. Mr. Gururaj Bhat (Alumnus from MVJCE, 1997 batch, and Department Head, Robert Bosch Engineering and Business Solutions Private Limited) was the Resource Person.
- Club activity 'Python Coding Contest', on 8th April 2023. Mr. Madan Kamaraj (Senior Program Manager, Mercedes Benz, Bangalore, and Alumnus of ECE department, 2001 class) was the Resource Person.

Department of Electrical & Electronics Engineering:

- Organized a Club activity, "Circuit Building" on 26.11.2022. The Chief Guest: Mr. Sangeeth Kumar V, IoT EDGE Consultant @ IBM, Bangalore, India.
- Organized a Club activity, "Smart Reminders for Daily Life" on 28.12.2022. The Chief Guest: Mr. Mr. Shivakumar N R, Scrum Master, Schneider Electric, Bangalore, India.
- SPARK Club activity on 'Smart Devices', on 16th May 2023. The Guest Speaker was Mr. Rathan Gowda (Software Validation and Verification Engineer, Alstom Transport India Ltd., Bangalore).

Department of Information Science & Engineering/Data Science:

- Organized a Club Activity, "E-Ikon- club event on Achiever" on 18th November 2022. Mr.Sreekanth G C, Senior System Analyst, Tesco. Bangalore was the Chief Guest.
- Organized a Club Activity, "E-Ikon- club event on ODE to CODE" on 7th January 2023. Mr. Pradeep Kumar B S ,Lead Software Engineer Fedality Investments Bangalore was the chief Guest.
- Club activity for EIKON CLUB, 'Future Tech Scope 23', on 13th May 2023. The Guest Speaker was Mrs. Anitha Loganathan (Aptiv India Components Pvt. Ltd., Bengaluru). 250 students participated in this interactive session.
- Eikon Club Activity in the topic "Future Tech Scope23" on 24th June 2023. Guest Speaker - Ms Anitha Loganathan, Engineering Group Manager , Aptiv India Components Pvt Ltd

Department of Mechanical Engineering:

- Organized a Club Activity, "Waste to Product" on 26th November 2022. Mr. Sunil G S, Manager – MD's Office, Mercedes Benz Research and Development India Ltd. Bangalore was the Chief Guest.
- Club activity for DYNAMECH CLUB, 'New Product Idea Presentation', on 11th March 2023. The Guest Speaker was Mr. Shravan Murthy (Product Design Development Specialist, Zoyov Technologies, Bengaluru). 39 students participated in this club activity and presented new product ideas.
- Club activity for DYNAMECH CLUB, 'Waste to Product', on 24th March 2023. The Guest Speaker was Mr. Bharath V. G (Vessels Engineers, Bengaluru). 57 students participated in this club activity and presented their ideas for the conversion of waste to products.
- Club activity for DYNAMECH CLUB, 'GD&T Quiz', on 21st April 2023. The Guest Speaker was Mr. Palaniyappan Kailasam (Leading ASME GD&T Trainer, and Founder Director, Prolotek Technologies Private Limited, Bengaluru). 36 students participated in this club activity that involved two rounds of quiz on Geometric Dimensioning and Tolerancing.

Department of Chemistry:

- Organized a Club activity, "Chemistry Expo Poster Presentation competition" on 04.08.2022. The Chief Guest was Dr. Parashuram.L., Associate professor at Nitte Meenakshi Institute of Technology
- Organized a Club activity (a technical quiz) under departmental club "Chemlife" on the topic " Technical quiz on Electric Vehicles and Superconductors " on 28th of January 2023. Dr.Parthasarathi Bera, Principal Scientist NAL was the chief guest.

Department of Mathematics:

- Organized a **MATLITE Club activity – CALCULATIONS USING CALCULATOR** on 21st January 2023. The chief guest of this event was Prof. Thirupathi Gudi, Professor, IISc.
- Club activity 'Math Mastery', on 25th February 2023. Dr. Veerappa Gowda (Raja Ramanna Fellow & Former Professor and Dean, Centre for Applicable Mathematics, Tata Institute of Fundamental Research, Bangalore) was the Guest Speaker.
- Club activity 'Math - Mapping Treasure', on 11th March 2023. Dr. Kantha Rao Bhimala (CSIR 4PI) was the Guest Speaker.

Department of Physics

- Organized a Club activity, "Physics puzzle solving competition" on 15.06.2022.
- Organized a Club activity, "Physics Numerical Challenge" on 24.01.2023. The Chief Guest was Dr. Baghaban Behera, Senior Scientist, CSIR-NAL Bangalore.

5. FDPs organized:

Department of Electronics & Communication/Industrial IoT:

- Organized 6 days FDP on "LabVIEW on Graphical Design Systems" from 16th to 21st January 2023. The resource persons were Ms. P.Monica, Testing Engineer, Electrono Solutions, Bengaluru and Mr. M. Sabari Saravanan, Senior Test Engineer, Tessolve Semiconductor Private Limited, Bengaluru. 25 faculty members participated in this FDP.

6. Paper Publication by Faculty (UGC Journals)

Department of Mechanical Engineering:

- K Ramesha, Santhosh N, Naresh H, "Corrosion Characterization of Friction Stir Weld Dissimilar Aluminium Alloy Joints", Journal of Mines, Metals and Fuels, Volume-70, Issue 8A, 2022, pp. 16 – 22, Print ISSN: 0022-2755. Published on 08.12.2022.

I) Conferences Organised

Department of Aeronautical and Aerospace Engineering

1. International Conference on Advances in Aeronautical and Aerospace Engineering on 22nd and 23rd May 2023 was organized. Dr P. Lathasree, Deputy Head, Simulation division, NAL Bangalore was the Chief guest. 46 papers have been presented by the participants.

Department of Electronics & Communication/Industrial IoT

1. 6th National Conference on 'Design Innovation of 3Cs: Compute-Communicate- Control', on 26th and 27th May 2023. Dr. Binu Narakathu (Adjunct Professor, Electrical Engineering, Western Michigan University, USA and Co- Founder & President, Safe Sense Technologies, Michigan, USA, & MVJCE alumnus - Class of 1998) was the Resource Person.

Department of Electrical & Electronics Engineering

1. 6th National Conference on 'Design Innovations for 3Cs: Compute-Communicate- Control', on 26th and 27th May 2023. The Keynote Speaker was Dr. Binu Narakathu (Adjunct Professor, Electrical Engineering, Western Michigan University, & MVJCE alumnus - Class of 1998).

FDPs Organised

Department of Aeronautical and Aerospace Engineering

1. Five-day Faculty Development Programme (FDP) from 23rd to 27th May 2023, on 'Emerging Technologies in Aircraft Design and Maintenance'. 35 participants attended the programme.

Department of Electronics & Communication/Industrial IoT

1. Five-day FDP on 'IIOT', from 6th to 10th June 2023. Dr. Badrinath Ramamurthy, Professor, IIIT Bombay, Dr. Shalabh Bhatnagar (Professor, EECS, IISc. Bangalore), Ms. Litty Jose (Scientist/Engineer-SF, ISRO, Bangalore), Mr. Bimal Raj (Scientist F, DRDO, Bangalore) and Dr. Amrita Mishra (Assistant Professor, IIIT, Bangalore) were the Resource Persons.

Department of Electrical & Electronics Engineering

1. Three-day Faculty Development Program (FDP) from 14th to 17th June 2023, on 'Opportunities and Challenges in Smart Grids and Smart Cities'. 20 participants attended the program.

Department of Mechanical Engineering

1. Three-day Faculty Development Program on 'Industrial Applications in Thermal Engineering', from 18th to 20th April 2023. 20 participants attended this program.

7. Paper Publications by faculty in SCI Journals (Q1/Q2/Q3/Q4):

Department of Aeronautical and Aerospace Engineering:

- R. Vijaya Kumar R, M.M. Venugopal, G.L. Chandrasekhar, N. Tamilselvam and B. Gopinath, "Stress Distribution, Frequency Response, Mode Shape of Twisted and Untwisted Compressor Blisk under Different Pressure Loading Conditions", International Journal of Vehicle Structures & Systems" Volume14, Issue 5, 2022, pp 686-692. ISSN: 0975-3540, Published on 08.12.2022.
- V. Nagalingeshwara, S.K. Maharana, R. Vijayakumar, M.M. Venugopal, T. Hemanth Raju and S. Udayashankar, "Construction, Testing and Evaluation of a Honeycomb Structured 3D Printed Sandwich Panel under Various Load Circumstances", International Journal of Vehicle Structures & Systems" Volume14, Issue 6 – 2022, pp-711-718. ISSN: 0975-3540, Published on 22.12.2022.
- R. Vijayakumar, K. C. Anantha Padmanabham, G. L. Chandrasekhar, Roopa R. Navalli, Manjunatha, T. Hemanth Raju, S. Udayashankar, "Synthesis and Characteristics of Heat Treated Al6061-Zirconium Dioxide Metal Matrix Composites", SPRINGER - Journal of the Institution of engineers, India, Series D" Published on 02.01.2023.

- B. Anand, R. Shankar, J.C. Jimenez-García, W. Rivera, "A dual-mode system for water purification and cooling using a thermal desalination technique coupled to a heat pump unit" *Applied Thermal Engineering* 224 (2023) 120096. ISSN:1359-4311, Published on 23.01.2023.
- Tamilselvam Nallusamy, N. Dhanush, S. Kavya, "Influence of 2–10 wt% of SMA Nitinol Reinforcement on the Mechanical Properties of Glass–Epoxy Composites Manufactured Through the VARTM Process", *Journal of The Institution of Engineers (India): Series C*, ISSN: 2250-0553, Published on 30.01.2023.

Department of Chemical Engineering:

- Lokendra S T, Hemant Parmar, Anil kumar varma, Amit Kumar C, Prasenjit M, "Removal of manganese from synthetic wastewater by *Vetiveria zizanioides*", *Materials Today: Proceedings*, 72(4).
- Lokendra S T, Amit Kumar C, "The Role of Bio-Electrochemical System for Hydrogen Generation", *Progress in Petrochemical Science*, ISSN: 2637-8035

Department of Civil Engineering

1. Prof. Shambhavi presented a Paper on 'Thermal Insulation of Buildings using Neoprene Foamed Sheet', at the International Conference on Climate Resilient Construction and Building Materials, in NIT Surathkal, from 3rd to 5th March 2023 and the paper will be published in "The book chapter in Springer publications, Singapore" under the theme of "Energy efficiency in construction and building materials"

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design:

- Krishna S Narayanan, P Nagaraj, V Muneeswaran, "A Review on Recognition of Disguise Face mask using Deep Convolutional Neural Network", IEEE, International Conference on Augmented Intelligence and Sustainable Systems on 18th January 2023. (Q2 Journal)
- Mrs. Navya V. K, Mr. Shebin Joseph, Mr. Tom Varghese, Mr. Siddanth Jain and Mr. Shashikumar published a Paper titled 'Indoor Air quality Monitoring and Purification System', in IJRPR, in April 2023.

- Mrs. Navya V. K, Ms. Blessy Bose, Ms. Archana. A, Ms. Chaithanya. M and Ms. Angelina Mathews published a Paper titled 'A Survey on CNN based Iris Recognition System preventing Fraudulent Bank Transactions', in IJRPR, in March 2023.
- Mrs. Navya V. K, Mr. Priyanshul. A, Mr. Ompuri. O, Mr. Venkata Shesha Reddy and Mr. Jai Krishna published a Paper titled 'Malware Detection using Machine Learning', in JETIR, in April 2023.
- Mrs. Navya V. K and Mr. Kumaraswamy published a Paper titled 'Deep Learning Based Bitcoin Price Forecasting using LSTM', in IJRASET, in March 2023.
- Mrs. Poshitha. M, Ms. Nazia. S, Mr. Hemathanmaya S. S, Mr. Mahendra and Mr. J. C Vasanthakumar published a Paper titled 'Brain Tumour and Alzheimer's Detection using Deep Learning', in JETIR, in February 2023.
- Mrs. Poshitha. M, Ms. Simran Nanda, Ms. Souparnika. S, Ms. Srineetha and Ms. Tanuja Hegde published a Paper titled 'Music Recognition and Recommendation', in JETIR, in February 2023.
- Mrs. Poshitha. M, Mr. Abhay Kumar, Mr. Anubhav, Mr. Ravinder and Ms. Sana Mallick published a Paper titled 'Crypto Currency Price Tracker', in IRJMETS, in May 2023.
- Mrs. Poshitha. M, Ms. Gajula Harikrishna, Mr. EBV Avinash, Mr. Sai Chandan and Mr. Ananthu Manoj Kumar published a Paper titled 'Emergency Vehicle Detection in Heavy Traffic, using Computer Vision', in IJRPR, in March 2023.
- Mrs. Lynsha Helena Pratheeba H. P, Mr. Prajwal. S, Mr. Pavan Kumar, Mr. NithinKrishna and Mr. Naveen Kumar published a Paper titled 'Applicant Helpers System for Resume, using Python and NLP', in IJRPR, in April 2023.
- Mrs. Lynsha Helena Pratheeba, Mr. Bharath D. R, Ms. Cibiya N. E, Ms. Divya M. N and Ms. Deekshitha. M published a Paper titled 'Implementation of Blockchain for Police Complaint Management', in IJRPR, in March 2023.
- Mrs. Lynsha Helena Pratheeba, Mr. Abhinav Agarwal, Mr. Parah Nath, Ms. Shwetha and Mr. Anubhav published a Paper titled 'People's Behaviour Analysis using WhatsApp Chat', in IRJMETS, in May 2023.
- Mrs. Thejashwini. M, Mr. Vikash Singh, Mr. Sumit Saha and Mr. Saptreeshi published a Paper titled 'A survey on Roomer Up (check)', in IJRPR, in March 2023.

- Mrs. K. L. Sujitha, Mr. Sanjay Sridhar, Ms. Tabassum Banu. S, Mr. Shashank Y. S and Mr. Sai Ashwin published a Paper titled 'A Survey on Customer 360, using Big Data', in JETIR, in March 2023.
- Mrs. K. L. Sujitha, Mr. Niketh. N, Ms. M. R Pooja, Mr. Nitin Kumar Jangir and Ms. Kavya M. L published a Paper titled 'Teacher's Automatic Timetable Generator, using PHP', in JETIR, March 2023.
- Mrs. K. L. Sujitha, Ms. Devatha Shivshyl, Ms. Chagi Vijetha and Ms. Chithra NB published a Paper titled 'A Survey on Smart Health Prediction, using Data Mining', in JETIR, in February 2023.
- Mrs. K. L. Sujitha, Ms. Devatha Shivshyl, Ms. Chagi Vijetha and Ms. Chithra NB published a Paper titled 'Smart Health Prediction, using Data Mining', in JETIR, in April 2023.
- Mrs. Sophia. G, Mr. Ranjith. V, Mr. A. Roshan and Mr. Tharun. S published a Paper titled 'A Survey on Twitter Data Analysis, using Kafka', in JETIR, in March 2023.
- Mrs. Sophia. G, Ms. Komal Kumari, Ms. Nancy Choudhary and Mr. Nimesh Dash published a Paper titled 'Speech Emotion Recognition: An Updated Survey', in IJRPR, in May 2023.
- Dr. I. Ambika, Mr. Adnan Mushtaq, Mr. Arnabjyoti Ray, Mr. Ashutosh Singh and Mr. Athar Imtiyaz Zargar published a Paper titled 'IoT Based Smart Alert System for Driver Drowsiness Detection' in International Journal of Research Publication and Reviews (IJRPR), in April 2023.
- Dr. I. Ambika, Mr. Raghav Dixit, Mr. Vishal Patil, Mr. Mohak Kapoor and Mr. T. Sudarshan published a Paper titled 'Visualizing Bank Customer Transaction Data Set and gathering Insights' in International Research Journal of Modernization in Engineering Technology and Science, in May 2023.
- Dr. C. Mahiba, Mr. Rajashekar. V, Mr. S. Dhanush, Mr. Santhosh Kumar and Mr. Sharathchandra B. R published a Paper titled 'College E-canteen System' in International Journal of Research Publication and Reviews, in June 2023.
- Dr. C. Mahiba, Ms. Advika Shalini Naidu, Mr. Afnan. S, Ms. Akshata. M and Ms. Charitha Poonacha N published a Paper titled 'Sign Language Recognition for Dumb and Deaf', in JETIR, in March 2023.
- Mrs. Aileen Emelda and Ms. Navya K. S published a Paper titled 'Leaf Disease Detection and Prevention, using SVM based on Image Processing in Matlab', in JETIR, in March 2023.

- Mrs. Sushmitha and Ms. Sunitha published a Paper titled 'Weather Forecast, using Time series Analysis and Machine Learning', in IJARASEM, in March 2023.
- Ms. Anusha. S, Mr. Santhosh Raaj, Ms. Shilpa, Ms. Saranya. S and Ms. Suchitha published a Paper titled 'A Survey on Counterfeit Product Identification, using Block Chain', in JETIR, in March 2023.
- Ms. Anusha, Mr. Basavaraj, Ms. Divya. S, Mr. Sudhanva C. R and Ms. S. Samrudda published a Paper titled 'Hand Gesture Recognition, using Deep Learning', in IJRPR, in June 2023.
- Ms. Nikitha G. S, Ms. Amrutha M. C, Ms. Gagana G. T and Ms. Sathveeka. S published a Paper titled 'Interior Design, using Augmented Reality', in IRJETS, in May 2023.
- Mr. Vinay Raj, Mr. Yashwanth M. Y, Mr. Tejas. R and Mr. T. Vinay published a Paper titled 'Media Streaming and User Interactivity Platform', in IRJETS, in May 2023.
- Mr. Syed Musaddiq, Ms. Achal Jain, Ms. Chandana Koushik and Mr. Sreeram. S published a Paper titled 'Alcohol Detection and Control System' in IJCRT, in May 2023.
- Mr. Syed Musaddiq, Ms. Achal Jain, Ms. Chandana Koushik and Mr. Sreeram. S published a Paper titled 'A survey on Alcohol Detection and Control System', in IJRPR, in February 2023.
- Mr. Syed Musaddiq, Ms. Achal Jain, Ms. Chandana Koushik and Mr. Sreeram. S published a Paper titled 'A survey on Advanced Traffic Violation Control and Penalty System', in IJRPR, in May 2023.
- Mrs. Thejashwini. M, Ms. Sunitha. V, Ms. Sudharshanashree, Ms. Sweta Suman Giri and Ms. Sushmitha. R published a Paper titled 'Enhanced Virtual Fitting Room', in JETIR, in May 2023.
- Mrs. Thejashwini. M, Mr. J. Udit Chowdar, Mr. Kushanth. N, Mr. Lokesh B. K and Mr. Sumanth Kumar Raju published a Paper on 'Monetizing Location, using ML and Blockchain', in IJRPR, in April 2023.

Department of Electrical & Electronics Engineering:

- S. Mishra, Sreejith R et al., "Implementation of an ADALINE-Based Adaptive Control Strategy for an LCLC-PV-DSTATCOM in Distribution System for Power

Department of Electronics & Communication/Industrial IoT

1. Dr. M. Thilagaraj published a Paper ‘A Survey of Efficient Light Weight Cryptography Algorithm for Internet of Medical Things’ in IEEE EXPLORE Scopus pp 2105-2109, March 2023.
2. Dr. Sajithra Varun S Deep AID: a design of smart animal intrusion detection and classification using deep hybrid neural networks Soft Computing, Springer Scopus, DOI:[10.1007/s00500-023-08270-1](https://doi.org/10.1007/s00500-023-08270-1), May-2023.
3. Dr. Sajithra Varun. S published a Paper ‘Self-diagnosis Platform via IOT-based Privacy Preserving Medical Data Measurement : Sensor’, in Elsevier Scopus, Volume 25, <https://doi.org/10.1016/j.measen.2022.100636> February 2023.
4. Mr. L. David William Raj published a Paper ‘Detection of Underground Objects using Ground Penetrating Radar’, in IEEE EXPLORE Scopus pp 01-04, March 2023.
5. Dr. Utsab Banerjee published a Paper ‘Circularly Polarized Antennas: an Evident Advancement in Modern Wireless Communications Innovative Smart Materials used in Wireless Communication Technology’ 176 – 200, April 2023.
6. Dr. M. Thilagaraj published a book on ‘Sensor and Transducer’ in June 2023, Publisher: Scientific International Publishing House, ISBN: 978-93-5757-354-2

Department of Information Science & Engineering/Data Science

1. Prof. Rekha. P, Mr. Buddesab, Ms. Shruthi. K, Mr. Sathya and Mr. Nanda Ashwin published a Paper ‘Chatbot for Healthcare Automation with Audio Assistance, using Artificial Intelligence’ in International Research Journal on Advanced Science Hub, 2582-4376 Vol. 05, Issue 05 May <http://dx.doi.org/10.47392/irjash.2023.S002>.

Department of Mechanical Engineering:

- B. A. Praveena , N. Santhosh , Abdulrajak Buradi , H. V. Srikanth , G. Shankar , K. Ramesha , 4 N. Manjunath, S. N. Karthik, M. Rudra Naik , and S. Praveen Kumar, “Experimental Investigation on Density and Volume Fraction of Void, and Mechanical Characteristics of Areca Nut Leaf Sheath Fiber-Reinforced Polymer Composites”, International Journal of Polymer Science, Volume 2022, Article ID 6445022, 13 pages, ISSN: 1687-9422, Published on 21 November 2022. <https://doi.org/10.1155/2022/6445022>

- N Santhosh, B A Praveena, A Chandrashekar, V Mohanavel, S Raghavendra, Dadapeer Basheer, **"Wear behaviour of aluminium alloy 5083/SiC/fly ash inoculants based functional composites– optimization studies"**, Material Research Express, Volume 9, 2022, 076513, ISSN: 2053-1591, Published on 29 July 2022.
- N. Santhosh, B.A. Praveena, Reema Jain, Mohd Abul Hasan, Saiful Islam, Mohammad Amir Khan, Abdul Razak, Md Daniyal, **"Analysis of friction and wear of aluminium AA 5083/ WC composites for building applications using advanced machine learning models"**, Ain Shams Engineering Journal, 2022, 102090, ISSN 2090-4479, Published on 19 December 2022. <https://doi.org/10.1016/j.asej.2022.102090>.
- Dasari Duryodhana, Sunil Waddar, Dileep Bonthu, Jeyaraj Pitchaimani, Satvasheel Powar, Mrityunjay Doddamani, **"Buckling and free vibrations behaviour through differential quadrature method for foamed composites"**, Results in Engineering, Volume 17, 2023, 100894, ISSN 2590-1230, Published on 23 January 2023. <https://doi.org/10.1016/j.rineng.2023.100894>.
- Niranjana Hugar, B Venkata Narayana, Sunil Waddar, **"Mechanical behaviour of stir cast TiO₂/Redmud/Al6061 metal matrix composites"**, Materials Research Express, Volume 9, Issue Number 11, 116509, ISSN: 2053-1591, Published on 16 November 2022.

Department of Chemistry:

- Preethi G, R. Pillai, Balan Ramdas ,S. Ramamoorthy ,Balu Patil, I.C. Lekshmi , Mohan Kumar, Lingappa Rangaraj ,**"Role of carbon quantum dots in a strategic approach to prepare pristine Zn₂SnO₄ and enhance photocatalytic activity under direct sunlight"** Diamond and Related Materials Published on 17.11.2022

Department of Mathematics:

- Nidhi S Vaishnav, S. Shankar Narayan, Raghu N, **"Exploring various long-term side effects of COVID 19 after recovery using Computational Simulations of a Mathematical Model"**, AIP Conference Proceedings, ISSN:0094-243X, E-ISSN:1551-7616. Published on 30 November 2022. <https://doi.org/10.1063/5.0108542>
- Arikere Padmanabha reddy, Naveenakumara U. **"Effectiveness of Low-Numerical Rank Approximation to Image Compression in Wavelet Domain"**. Mathematical Modeling of Engineering Problems, Vol. 9, No. 4, August 2022,

- Prabhugouda M. Patil and H. F. Shankar. "Comprehensive investigation of combined convection nanoliquid flow past a wedge using local thermal non-Equilibrium model". The European Physical Journal Plus, Vol. 138, No. 1, January 2023, PP 1-17, E-ISSN: 2190-5444. Published on 2nd January 2023. <https://link.springer.com/article/10.1140/epjp/s13360-022-03621-7>

DEPARTMENT OF PHYSICS

- Creep cavitation damage of K-type thermocouples- J.K.Rakshan Kumar, Debalina Bhattacharjee, PreetishDsilva, R.Praveen, Subray R.Hegde. Engineering Failure Analysis Volume 143, Part A, January 2023, 106846, SCIENCE DIRECT.
- Effective Usage of Biochar and Microorganisms for the Removal of Heavy Metal Ions and Pesticides, Soumya K.Manikandan, Pratyasha Pallavi, Krishan Shetty, Debalina Bhattacharjee, *Molecules* 2023, 28(2), 719; <https://doi.org/10.3390/molecules28020719>.
- A. Sulthan Ibrahim, P.Anbarasu, R.Mahendran, K.Rajendran, K.C.Sekhar, S.Sathish, Facile synthesis of cobalt sulfide/carbon nanotube composites as a low-cost Pt-free counter electrode for dye-sensitized solar cells (DSSCs), Diamond and Related Materials, 130 (2022) 109440. (Impact Factor-3.8) <https://doi.org/10.1016/j.diamond.2022.109440> , Publisher: Elsevier
- A Sulthan Ibrahim, R Mahendran, P Anbarasu, K Rajendran, S Sathish, Ni₃S₂ entrenched MWCNT composite as a low-cost Pt-free counter electrode for dye-sensitized solar cell: Conversion efficiency reached to 9.28%, *Inorganic Chemistry Communications*, 144 (2022) 109841. (Impact Factor-3.4), <https://doi.org/10.1016/j.inoche.2022.109841>, Publisher: Elsevier
- Rugmini Radhasaran, Angitha Sathyan, Rathish Kumar Sivaraman, Sathish Sugumaran, Koppole Kamakshi, Koppole Chandra Sekhar, Sensing, Antimicrobial and Photothermal Activity of Ultra-Stable Colloidal Copper Nanoparticles, *Plasmonics*, 12 (2022) 2521-2531. (Impact Factor-2.7), <https://doi.org/10.1007/s11468-022-01742-4> , Publisher: Springer

- A. Sulthan Ibrahim, Kevin V Alex, M Bhakya Latha, K Kamakshi, S Sathish, JPB Silva, KC Sekhar, Effect of the thickness on the photocatalytic and the photocurrent properties of ZnO films deposited by spray pyrolysis, *Discover Materials*, 2 (2022) 1-11. <https://doi.org/10.1007/s43939-022-00031-5> , Publisher: Springer
- Dr. T. Daniel published a paper “Crystal structure, optical and electrochemical studies of mixed metal oxide nanoparticles and their application in photodegradation of methylene blue” in *Bulletin of Materials Science* (Springer) published on 27th May 2023, ISSN: 0973-7669, DoI: <https://doi.org/10.1007/s12034-023-02953-z>, Vol. 46:109, Impact Factor: 1.878 (indexed in SCI, Scopus, Web of Science)
- Dr. T. Daniel published a paper “Rapid Crystal Structural, Optical and Morphological Studies of Transition Metal Oxide Nanoparticles and their Photocatalytic Activity” in *Iranian Journal of Science* (Springer) published on 20th June 2023, ISSN: 2731-8109, DoI: <https://doi.org/10.1007/s40995-023-01483-x>, Impact Factor: 1.553 (indexed in SCI, Scopus, Web of Science)
- Dr.sathish S, Effect of SrTiO₃ buffer layer on electrical, ferroelectric memory and polarization reversal studies of spin coated ferroelectric 0.6Ba(zr0.2Ti0.8)O₃-0.4(Ba0.7Ca0.3)TiO₃ thin film in MFIS structure- *Current Applied Physics*, Volume 51, July 2023, Pages 91-97, <https://doi.org/10.1016/j.cap.2023.05.005> Sciencedirect-Q2.

8. No. of Proposals submitted:

SI.No.	Dept.	Faculty Name	Title	Agency	Date of Submission	Amount in Rs.	Status
01	CV	Dr. N. Vetrivel, Dr. Manu D S & Dr. Chandrasekaran	Development and validation of a methodology to improve quality of water for irrigation despite pollution/contamination of recharging water bodies in a given region	Ministry of Earth Science	27 th July 2022	24,03,500	Under Review

02	ECE	Dr S.Kanithan	Wireless Communication from Underwater to the Air	NPOL	27.08.2022		under process
03	ECE	Dr.Shima Ramesh Maniyath	3D Deep Convolution Neural Networks For Alzheimer's Disease Detection On MRI Images	SERB	28-09-2022	29,74,000	Under Process
04	ME	Dr. Rajesh Kumar P	Impact Detection Techniques Using Fibre-Bragg Grating Sensors for aircraft wing structure	ARDB	08.09.2022	15,10,000	Under Process
05	AE	Dr.P.Arunagiri	Development of a novel jigless manufacturing process for aircraft structural assembly	ARDB	-	Rs.21,00,000	Under revision process
06	AE	Dr.P.Suresh	Design and development of landing gear assembly using DFMA and DFE concepts for enhancing sustainability and life cycle (revised proposal presented through online to S/SE panel)	ARDB	01.12.2022	Rs.9,51,000	Under revision process
07	AE	Dr.R.Vijayakumar	Design Development and Evaluation of Complaint structures for Aircraft Applications (revised proposal submitted)	ARDB	14.07.2022	Rs,9,90,000	Under process

9. No. of Patents filed:

Department of Aeronautical and Aerospace Engineering:

- Dr.P.Suresh filed a Patent titled 'AI based control system of a vehicle drive unit' on 14.01.2023. The application no. is 202341002989.
- Dr. P. Suresh, Associate Professor, Aeronautical Engineering, has filed a Patent titled 'Walking stick for Visually Impaired, with Alerting Unit' in International Design Classification, Version: 14-2023, under class 24 - Medical and Laboratory Equipment.

Department of Electrical & Electronics Engineering:

- Dr. Soumya Mishra filed a patent on 'Novel Techniques to Enhance the Wireless Sensor Network Efficiency Through Coverage and Energy Utilization Techniques' on 05.1.2023. The application no. is 202331001035 A. It is published on 20.1.2023.
- Dr. Soumya Mishra filed a patent on 'Deep Learning Based Technique to Predict the Impact of Residential Energy Storage System Modelling on Power System' on 15.1.2023. The application no. is 202331001035 A. It is published on 27.1.2023.
- Dr. Soumya Mishra, Associate Professor, Electrical and Electronics Engineering, published an Indian Patent titled 'Implementation of Classification Models to Improve Electric Charging Systems, to cope up with their Exponential Growth', on 17th March 2023.
- Dr. Soumya Mishra, Dr. Rajaran. R, Dr. P. Harish Kumar and Ms. Renjini E Nambiar, Electrical and Electronics Engineering, published an Indian Patent titled 'Vertical Axis Wind Turbine with Halbach Array', on 17th February 2023.
- Dr. Soumya Mishra, Associate Professor and Ms. Renjini E Nambiar, Assistant Professor of Electrical and Electronics Engineering department have filed a United Kingdom Design Grant titled 'Design of Compact and Internet of Things based Speedometer', on 26th May 2023.

Department of Mechanical Engineering:

- Dr. Santhosh N filed a patent on 'Compopave' Composite Pavement Tile on 02.12.2022. The application no. is 202241069574 A. It is published on 09.12.2022.

10. Student's Competition:

Department of Aeronautical and Aerospace Engineering:

- Atyab Hakeem (1MJ18AE014), D Devasurya (1MJ18AE023), Pyush Jha (1MJ18AS031), Asim Syed (1MJ18AS006), Sripriya K (1MJ19AE092), B.E students, Department of AE/AS have won a **Second Prize** and a cash prize of Rs.15,000/- for presenting the project final round at National Aerospace Conceptual Design Competitions 2022 (NACDeC'2022) on the topic of "Water Scooping Amphibious Aircraft for Fire-fighting" Organized by IIT, Bombay and Design division of Aeronautical Society of India on 20.09.2022.
- Divyanshu Chaubey (1MJ20AS012), Sahil Nirala (1MJ20AS033), Gauri Saxena (1MJ20AS013) and Abhay Krishna (1MJ20AE002) won the 1st Consolation Prize in the competition 'Emergency Rapid Deflection Device', conducted by IIT Bombay, on 20th and 21st of May 2023.
- S. Girija (1MJ19AE043), Vamshi Havan V. S (1MJ19AE101), Bhumika M. K (1MJ19AE023) and Nithin Yadav. G (1MJ19AE071) presented at the SERB-sponsored International Hybrid mode Conference on Challenges and New Trends in Hybrid Solar Cell Technology (ICST 2023), held on 8th and 9th June 2023, at Sri Sai Ram Engineering College and secured 1st Prize for the Paper titled 'Utilisation and Experimental Analysis of Biomass in Rocket'.

Department of Civil Engineering:

- Amrutha K (1MJ19CV003), 7th Semester B.E student, Department of Civil Engineering, placed runners in the VTU- Inter college women's Kho-Kho tournament, Bangalore Division on 30.12.2022 & 31.12.2022.
- Amrutha K (1MJ19CV003) 7th Semester B.E student, Department of Civil Engineering, placed second runners up in VTU state level women's Kho-Kho tournament on 12.01.2023 & 13.01.2023.
- Sumanth H. H (1MJ20CV402) secured Runner-up position and qualified for State Level Championship in the VTU Inter-Collegiate Bangalore North Division Kho-Kho (Men) Tournament, held at MVJCE, Bangalore, on 20th and 21st March 2023.

- Sumanth H. H (1MJ20CV402) secured the 1st Runner-up position in the VTU State Level Kho-Kho (Men) Tournament held at KIT, Tiptur, on 24th and 25th March 2023.

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design:

- Preethi susan varughese ,nazia Sultana A,Mohammed Afeef Hussain,Mohammed Azeezulla,Mayank Shandilya,7 th semester B.E students, Department of Computer science Engineering are Spirit of 1st Runner Up for presenting the idea-‘Skin disease Analyzer’ in Vision TechFest 2022-Techthon on 13 Dec 2022
1. Bhoomika Reddy Participated in Mono acting competition and secured the 3rd Place in ENACT 2023, a National Level Intercollegiate Theatre Fest, held on 31st March 2023 and 1st April 2023.
 2. Excelsior Award in the entire District was won by MVJCE Toastmasters Club.

The following members (students of CSE) attended the meet:

- Rachana Kulkarni
 - Shruthi Reddy
 - Deepikaa. A
 - H. Pranav
1. Pradeepta Kumar Jena won the 1st Prize in Solo Singing, at the Samskruthi2k23 Intercollege Cultural Fest, organized by East Point Group of Institutions, from 29th to 31st March 2023. He also won the 2nd Prize in the Classical Singing competition.
 2. Pradeepta Kumar Jena won 2nd place in Group Singing in the CMR Cultural Fest organized by CMRIT, on 9th June 2023.
 3. Pradeepta Kumar Jena won the 2nd Place in Group Singing, at the Intium Fest held at New Horizon College of Engineering on 31st May 2023.
 4. Prateek Roy won the 2nd Place in Improv at Dhvani 2023, an Inter Collegiate Cultural Fest, conducted on 3rd and 4th April, organized by St. Joseph’s College of Commerce.
 5. Sidhart Sreejil secured the First Place in the event Web Wizard at VertechX11.0, an Inter Collegiate National Level Technical Fest, organized by MVJ College of Engineering, on 18th and 19th May 2023.

6. Team from MVJCE, 'Falcon Cruisers', won three prizes at the SIEP Hero E-Bike Challenge, National Level Competition, held at Galgotias University, Greater Noida, India, from 14th to 18th April 2023. Students from CSE, Angadi Bhavani Ravi, Sanika Gowda and Bhavana participated in the event.
7. Krithi Vangala from the CSE Dept. won the 2nd Place in the Mono acting competition at the Inter Collegiate Cultural Fest organized by St. Joseph's College of Commerce, on 3rd and 4th April.
8. Krithi Vangala and Ryan Terrance from CSE department won the 3rd Prize in the 'Improv' event, at the Inter Collegiate Cultural Fest conducted by St. Joseph's College of Commerce, on 3rd and 4th April.
9. Chathurya. K and Mansi from CSE department secured Runner-up position at the VTU Inter Collegiate State Level Handball Tournament for Women, in March 2023.
10. Paras Nath Choudary from 8th semester, CSE Department cleared the GATE examination conducted in February 2023, with a score of 314.
11. Ravinder Tatarwal from 8th semester, CSE Department cleared the GATE examination conducted in February 2023, with a score of 318.

Department of Electronics & Communication/Industrial IoT:

- Ankita (1MJ19EC014), Ashok Bhargav P(1MJ19EC019) and Diya Roy(1MJ19EC037), 7th semester B.E students ,Department of Electronics and Communication Engineering have won a Cash Prize of Rs.4000/- for participating the event PRAVEGA 2022 conducted by IISc. Bangalore, co-sponsored by Airbus, on 04.09.2022.
- Khaleel U Rehman (1MJ20EC056), 5th semester B.E students ,Department of Electronics and Communication Engineering have won a Cash Prize of Rs.15000/- for National Level Electric Bike Design Challenge, Season 2 (EDBC'22) at Sri Ramakrishna Institute of Technology, Coimbatore.
- Priyanka Sharanabasappa Makale (1MJ21EC102), 3rd semester B.E students ,Department of Electronics and Communication Engineering have won 1st Runners-Up in VTU state level Kho-Kho women's tournament held on 12th Jan 2023 at BLDEA's, Bijapur and got selected in University team to play national level tournament.
- Priyanka Sharanabasappa Makale (1MJ21EC102), 3rd semester B.E students ,Department of Electronics and Communication Engineering have won

Runners-Up in VTU Inter Collegiate Bangalore Division Kho-Kho women's tournament held on 30th & 31st Dec 2022.

1. Khaleel Ur Rehman, Rohan, Praveen, Harshavardhan, Praveen Kattimani and Habeeb Pasha from the ECE department won three Prizes at the SIEP Hero E-Bike Challenge, National Level Competition, held at Galgotias University, Greater Noida, India, from 14th to 18th April 2023. The team won prizes in three different categories:

1. First Prize in Acceleration (Rs. 10,000 and Trophy)
2. Future Award (Rs. 5000)
3. First Runner-up (Trophy)

Meghana P and Ankita Mattikalli from the ECE Dept. secured the Runner-up position at the VTU Inter Collegiate State Level Handball Tournament for Women, 2022-23.

2. Bhumika Reddy (ECE Department) from Team RaagAbhinaya won the 3rd Prize in the 'Street Play' event at Enact '23, held at St. Joseph's College of Commerce.
3. Allwin Joseph, Delin Jose, Abdul Malikh T. K and Avinash. M won the 2nd Prize in Turbo Rush Line Follower, at Gopalan College of Engineering.
4. Allwin Joseph, Delin Jose, Abdul Malikh T. K and Avinash. M won the 2nd Prize in Circuit Debugging, at Gopalan College of Engineering.
5. Allwin Joseph, Delin Jose, Abdul Malikh T. K and Avinash. M won the 2nd Prize in RoboSoccer, at Vemana Institute of Technology.
6. Anuvindh (1MJ19EC102) from Final Year, ECE stream, secured 1257 Rank in the prestigious GATE exams, 2023, with a score of 584.

Department of Electrical & Electronics Engineering:

- Viswa (1MJ20EE024), 5th semester B.E. student, Department of Electrical and Electronics Engineering have won **1st prize and a Cash Prize of Rs.7,500/-** for participating at **National level Bike Design Challenge 2022 for Best Acceleration**. Organized by Sri Ramakrishna Institute of Technology, Coimbotore, Tamilnadu on 25.09.2022.
- Harsh Vikram Tey (1MJ20EE003), Hemanth M (1MJ20EE005), and Karan Kuttappa U A (1MJ20EE009) 5th semester B.E. students, Department of Electrical and Electronics Engineering have won **1st prize for participating at VTU North Division Hockey Tournament**. Organized by Visvesvaraya Technological University on 10.09.2022.

- Harsh Vikram Tey (1MJ20EE003), Hemanth M (1MJ20EE005), and Karan Kuttappa U A (1MJ20EE009) 5th semester B.E. students, Department of Electrical and Electronics Engineering have won **2nd Runner Up for participating at VTU Inter Zone State Level Hockey Tournament**. Organized by Visvesvaraya Technological University on 07.12.2022.
- Kedar (1MJ21EE010) from 6th semester won the 3rd Prize in the event Kannada Street Play, at the Cultural Fest RaagAbiniya, organized by St. Joseph's College.
- Mohammad Maaz (1MJ19EE), Mohammed Hashim (1MJ21EE), Abhinav Zende, Aman Verma and Prajwal. C from 4th semester participated in the event 'Design Innovation 2023 Awards' organized by Cambrian Centre for Innovation, Cambridge Institute of Technology, SIT and Paavai Institutions on 11th February 2023, and secured Investment opportunity from two investors.
- Hemanth. M (1MJ20EE005) and Vishwa (1MJ20EE024) from 6th semester won the 3rd Place in the National Level SIEP Hero E-bike Challenge organized by Galgotias University in April 2023.
- Abhilash (1MJ21EE002) from 4th semester participated in the Inter College Kabbadi Tournament organized by Christ University, on 2nd March 2023.
- Prajwal. C (1MJ21EE026) from 4th semester participated in the Inter College VTU Zonal Kho-Kho Tournament organized by VTU on 20th and 21st March 2023. The team secured 2nd Runner-up position.
- Prajwal. C (1MJ21EE) from 4th semester participated in the State Level Inter University Kho-Kho Tournament organized by VTU on 28th March 2023. The team won the 3rd Place.

Department of Information Science & Engineering/Data Science:

- Thrishul (1MJ20IS108), Raveesha H (1MJ20IS075), Venkatesh T S (1MJ20IS110), 5th semester B.E. students, Department of Information Science and Engineering have won VTU inter collegiate Hockey Tournament (Bangalore North division) conducted during 6th and 7th December 2022.

Department of Mechanical Engineering:

- Veekshith K V (1MJ18ME139), Sairam B (1MJ18ME115), Shashank R (1MJ20ME415), 7th semester B.E. students, Department of Mechanical Engineering have won a Cash Prize of Rs. 7500/- for Acceleration test and a Cash Prize of Rs. 7500/- for Best Autocross of E Bike at EBDC National Level competition 2022, Organized by Sri Ramakrishna Institute of Technology, Coimbatore from 26.09.2022 to 28.09.2022.
1. Shashank. R, Veekshith K. V, Vishnu T. M, Prajwal. P, Rajesh. S and Krishna Kumar won three prizes in the SIEP Hero E-Bike Challenge, National Level Competition, held at Galgotias University, Greater Noida, India, from 14th to 18th April 2023. The team won in three different categories:
 1. First Prize in Acceleration (Rs. 10,000 and Trophy)
 2. Future Award (Rs. 5000)
 3. First Runner-up (Trophy)
 2. Ramanand Kumar Singh (1MJ19ME048), Deepak Gowda G. K (1MJ19ME012), Shashank S. H (1MJ19ME055) and Siddharth. K (1MJ19ME060), received KSCST sponsorship of Rs. 7000 for their Project work on 'Synthesis of Eco-friendly Coatings from Waste Fly ash and spent Catalysts of Thermal Power Plants, for improving the Wear and Corrosion Resistance for Sustainable and Eco Compatible Applications' under 46th series of Student Project Program (SPP), for the Academic Year 2022-23.

11. Students' Certification Courses

Department of Aeronautical and Aerospace Engineering:

- Chandana B Venkatesh (7th Semester AS) has successfully completed the online NPTEL 12-Week course in the title of "Space Flight Mechanics" conducted by IIT, Khargpur during July-October 2022.
- Sripriya K (7th Semester AE) has successfully completed the online NPTEL 8-Week course in the title of "Introduction to Airplane Performance" conducted by IIT, Kanpur during July-September 2022.
- Naveen S S (7th Semester AS) has successfully completed the online NPTEL 8-Week course in the title of "Introduction to Airplane Performance" conducted by IIT, Kanpur during July-September 2022.

- Sagatika S (7th Semester AS) has successfully completed the Massive open online course (MOOC) in the title of "Basics of "Remote Sensing, Geographical Information System and Global Navigation Satellite System" at Indian Institute of remote sensing (IIRS), Dehradun from 22nd August 2022 to 25th November 2022.
- Neha A K (5th Semester AS) has successfully completed the online NPTEL 12-Week course in the title of "German I" conducted by IIT, Madras during July-October 2022.
- Divyanshu Chaubey (1MJ20AS012) has successfully completed the Online NPTEL 12-week Course in 'Aircraft Design', conducted by IIT Kanpur.
- P. Aditya Bose (1MJ20AS024) has successfully completed the Online NPTEL 12-week Course in 'Aircraft Design', conducted by IIT Kanpur.
- Neha K. M (1MJ20AS021) has successfully completed the Online NPTEL 12-week Course in 'Aircraft Design', conducted by IIT Kanpur.
- Neha A. K (1MJ20AS020) has successfully completed the Online NPTEL 12-week Course in 'Fundamentals of Theoretical and Experimental Aerodynamics', conducted by IIT Kharagpur.
- P. Aditya Bose (1MJ20AS024) has successfully completed the Online NPTEL 12-week Course in 'Fundamentals of Theoretical and Experimental Aerodynamics', conducted by IIT Kharagpur.
- Neha A. K (1MJ20AS020) has successfully completed the Online NPTEL 12-week Course in 'Computational Fluid Dynamics for Incompressible Flow', conducted by IIT Guwahati.
- Divyanshu Chaubey (1MJ20AS012) has successfully completed training and internship on Rocket Design, at Feyman Aerospace.
- Sahil Nirala (1MJ20AS033) has successfully completed training and internship on Rocket Design, at Feyman Aerospace.
- Gauri Saxena (1MJ20AS013) has successfully completed the training and internship on Rocket Design, at Feyman Aerospace.
- Neha K. M (1MJ20AS021) has successfully completed training and internship on Rocket Design, at Feyman Aerospace.
- Abhay Krishna (1MJ20AE002) has successfully completed training and internship on Rocket Design, at Feyman Aerospace.

Department of Chemical Engineering:

- Prema Gowda (7th Semester CH - 1MJ19CH016) has successfully completed the online NPTEL 12-Week course in the title of "Thermal Processing of Food" conducted by IIT, Guwahati during July-October 2022.
- Vaishnavi (7th Semester CH - 1MJ19CH027) has successfully completed the online NPTEL 12-Week course in the title of "Dairy and food process and products technology, Guwahati during July-October 2022.
- Akash. N (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Swarupa Dhar (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Aniket Mane (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Electrochemical Technology in Pollution Control', conducted by IISc. Bangalore, from January to March 2023.
- Varshitha. C (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Instrumentation and Process Control in Food Industry', conducted by IIT, Karagphur, from January to March 2023.
- B. Mahammad Sirajuddin (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Electrochemical Technology in Pollution Control', conducted by IISc. Bangalore, from January to March 2023.
- Siddhant F Habbu (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Charan Pruthvi V. G (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Rohith (8th semester) has successfully completed the online NPTEL 8-week Course on 'Biological Process Design for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Sharathchandra C. S (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.

- Vaishnavi. K (8th semester) has successfully completed the Online NPTEL 12-week Course on 'Dairy and Food Process and Products Technology', conducted by IIT, Kharagpur, from July to October 2022.
- Harsha S. S (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Swathi. M (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Electrochemical Technology in Pollution Control', conducted by IISc. Bangalore, from January to March 2023.
- Lokesh G. R (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Naveen M. M (8th semester) has successfully completed the Online NPTEL 8-week Course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.
- Prema Gowda (8th semester) has successfully completed the Online NPTEL 12-week Course on 'Thermal Processing of Foods', conducted by IIT, Guwahati, from July to October 2022.
- Hemanth D Patil (8th semester) has successfully completed the Online NPTEL 8-week course on 'Biological Process for Wastewater Treatment', conducted by IIT, Roorkee, from February to April 2023.

Department of Civil Engineering

1. Akshay A Naikodi (1MJ19CV001), Ameetkumar Malipatil (1MJ19CV002), Amrutha. K (1MJ19CV003), Anil Kumar. A (1MJ19CV004), Ashwingowda M. S (1MJ19CV005), Hithalamani Aishwarya (1MJ19CV016), Jeevitha. R (1MJ19CV017), Mohin Ali (1MJ19CV028), Pramod Reddy. C (1MJ19CV031), Priyanka. D (1MJ19CV033), Raja Musaib Ahmad Lone (1MJ19CV035), Raksha. D (1MJ19CV036), Ravikant Ramesh Talakeri (1MJ19CV037), Samson (1MJ19CV040), Vishwanath. K (1MJ19CV053) and Divya Vandana. M (1MJ18CV018) completed the NPTEL Certificate Course on 'Biological Process Design for Wastewater Treatment', from 20th February to 14th April 2023 (8 weeks).
2. Gelvin A. S (1MJ19CV011) completed the NPTEL Certificate Course on 'Repair and Maintenance of Buildings', from 16th March to 16th June 2023 (12 Weeks).

3. Chandra Prakash. S (1MJ19CV008), Dhanushree. N (1MJ19CV010), Gurubasava (1MJ19CV013), Likitha T. K (1MJ19CV020), Maheeza Jan (1MJ19CV021), Mahendra M. N (1MJ19CV022), Manoj Kumar. A (1MJ19CV023), Manoj. N (1MJ19CV024), Poorvi Bhaskar Gaonkar (91MJ19CV030), Prathik S Nayaka (1MJ19CV032), Ravikumar Choudhari (1MJ19CV038), Shivam Kumar (1MJ19CV045), Siddhagond (1MJ19CV046), Sneha R. P (1MJ19CV047), T. V Sandeep (1MJ19CV049), Varun. B (1MJ19CV051), Raviraja Ganiga (1MJ17CV058), Sohail Akthar (1MJ20CV401), Sumanth H. H (1MJ20CV402) and Vandana. S (1MJ20CV403) completed NPTEL Certificate Course on 'Safety in Construction', from 23rd January to 17th March 2023 (8 Weeks).

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design

1. Sumith B. H, 4th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Programming in Java', conducted by IIT, Kharagpur, from January to April 2023.
2. Ashutosh Singh, 4th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Deep Learning', conducted by IIT, Kharagpur, from January to April 2023.
3. G. Ganesh Sai Prakash, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Deep Learning', conducted by IIT, Kharagpur, from January to April 2023.
4. Jathin Tiwari, 6th semester CSE student, has successfully completed the Online NPTEL 8-week Course on 'Optimisation for Machine Theory and Implementation', conducted by IIT, Kharagpur, from February to April 2023.
5. Jathin Tiwari, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Data Analytics with Python', conducted by IIT, Kharagpur, from January to April 2023.
6. Jathin Tiwari, 6th semester CSE student, has successfully completed the Online NPTEL 8-week Course on 'Foundation of Cloud IOT Edge ML', conducted by IIT, Kharagpur, from February to April 2023.
7. Rohini. S, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Block Chain and its Applications', conducted by IIT, Kharagpur, from January to April 2023.

8. Rohini. S, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Introduction to IOT', conducted by IIT, Kharagpur, from January to April 2023.
9. Rohini. S, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Data Analytics with Python', conducted by IIT, Kharagpur, from January to April 2023.
10. C. Darshan, 6th semester CSE student, has successfully completed the Online NPTEL 8-week Course on 'Foundation of Cloud IOT Edge ML', conducted by IIT, Kharagpur, from February to April 2023.
11. Vishwanath. A, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Data Analytics with Python', conducted by IIT, Kharagpur, from January to April 2023.
12. Vishwanath. A, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Block chain and its Applications', conducted by IIT, Kharagpur, from January to April 2023.
13. Vishwanath. A, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Social Networks, conducted by IIT, Kharagpur, from January to April 2023.
14. Ankita Sinha, 6th semester CSE student, has successfully completed the Online NPTEL 12-week Course on 'Data Analytics with Python', conducted by IIT, Kharagpur, from January to April 2023.
15. B. Nagavaishnavi, 6th semester CSE student, has successfully completed the Online NPTEL 4-week Course on 'Python with Data Science', conducted by IIT, Kharagpur, from January to April 2023.
16. Reshmi A. R, 6th semester AIML student, has successfully completed Data Science Foundation Certification conducted by Infosys Springboard during May 2023.
17. Reshmi A. R, 6th semester AIML student, has successfully completed Data Science Foundation Certification conducted by Infosys Springboard during May 2023.
18. Deepak Jain, 6th semester CSE student, has successfully completed Python Programmer Certification conducted by Infosys Springboard during May 2023.

19. Aditi K. M, 6th semester CSE student, has successfully completed Python Programmer Certification conducted by Infosys Springboard during May 2023.
20. Tanisha Steephen, 6th semester AIML student, has successfully completed AI Premier Certification conducted by Infosys Springboard during May 2023.
21. G. Ganesh, 6th semester CSE student, has successfully completed Cyber Security Professional Certification conducted by Infosys Springboard during May 2023.
22. During 2023, 202 Final Year CSE students have successfully completed Online Certification Courses with duration of 8-12 weeks, on various titles, conducted by various organizations.

Department of Electronics & Communication/Industrial IoT

1. Manoj B. H from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
2. Muhammed Junaid Ellattu. V from 8th semester ECE has successfully completed Online Course Cisco, during April-May 2023.
3. Abdul Raheman Gotori from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
4. Abhishek from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
5. Aditya Narayan Sahoo from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
6. Akshara P. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
7. Akshata Patil from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
8. Akshay Sai A. B from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
9. Akshitha. R from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
10. Alisha Jayant from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
11. Ameeth Gowda C. T from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.

12. Amrutha V Murthy from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
13. Ankita from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
14. Anusha A Joshi from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
15. Anusha Chamakeri from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
16. Arun from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
17. Ashok Bhargav. P from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
18. Balaji H. V from 8th semester ECE has successfully completed Online Course UDEMY, during April-May 2023.
19. Bangi Karunasree from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
20. Basineni Udaya Priyanka from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
21. Bhargav B. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
22. Bhoomika B. G from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
23. Bhumika. B from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
24. Chandan A. G from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
25. Chandana N. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
26. Darshan. V from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
27. Deepak. P from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
28. Dhanya N. B from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.

29. Divya. V from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
30. Divyadarshini. S from 8th semester ECE has successfully completed Online Course COURSEERA, during April-May 2023.
31. Diya Roy from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
32. G. S Sunayana from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
33. Gagan Deep. J from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
34. Ganadinni Dharani from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
35. Ganavi. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
36. Gnanendra Kumar. H from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
37. Gokul Kumar. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
38. Goutham. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
39. H. V. Rajath from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
40. Harshitha. R from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
41. Jagannath from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
42. Karthik. M from 8th semester ECE has successfully completed Online Course UDEMY, during April-May 2023.
43. Karthik Patil from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
44. Karuna Sharma from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
45. Kavya from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.

46. Keerthana. S from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
47. Keerthi V Gowda from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
48. Keerthiprasad H. T from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
49. Keerti Vinay Hegde from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
50. Komala K. S from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
51. Komma Sandeep Reddy from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
52. M. Santosh from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
53. Madhu. D from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
54. Mallikarjun M Badami from 8th semester ECE has successfully completed Online Course UDEMY, during April-May 2023.
55. Mallikarjun M Badami from 8th semester ECE has successfully completed Online Course UDEMY, during April-May 2023.
56. Manasa from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
57. Manasa K. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
58. Manoj. A from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
59. Manoj. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
60. Manoj S. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
61. Misbah. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
62. Mohammed Maaz from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.

63. Mohammed Salim from 8th semester ECE has successfully completed Online Course Cisco Networking Academy, during April-May 2023.
64. Monisha. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
65. Munnella Vaishnavi from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
66. Naveen Kumar M. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
67. Navyashree. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
68. Nayan Kumar. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
69. Neethu. K from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
70. Neha N. A from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
71. Nivedita Sharanappa Gadad from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
72. Pavan Kumar. M from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
73. Pavan T. H from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
74. Pooja G. R from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
75. Prajwal A. C from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
76. Prajwal. R from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
77. Praveen. A from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
78. Praveen. A from 8th semester ECE has successfully completed Online
79. Course UDEMY, during April-May 2023.
80. Raghavendra S. I. from 8th semester ECE has successfully completed Online
81. Course NASSCOM, during April-May 2023.

82. Raksha Hegde from 8th semester ECE has successfully completed Online Course IIT BOMBAY, during April-May 2023.
83. Rakshitha. S from 8th semester ECE has successfully completed Online Course IIT BOMBAY, during April-May 2023.
84. Rangaswamy P. R. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
85. Rodney Augustine Francis from 8th semester ECE has successfully completed Online Course NPTEL, during April-May 2023.
86. Rohith. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
87. Sagar S. R. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
88. Sandeep. J from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
89. Sayooj. S from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
90. Shakthi. S from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
91. Shireesha. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
92. Shravana Sudhakar Shetty from 8th semester ECE has successfully completed Online Course IIT BOMBAY, during April-May 2023.
93. Shravankumar Hiremath from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
94. Sinchana T Gowda from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
95. Skanda G. S. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
96. Sourav Kumar from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
97. Spandana K. P from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
98. Srinivasa M. N from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.

99. Srinivasa Reddy R. A from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
100. Subam Rana from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
101. Sumith. N from 8th semester ECE has successfully completed Online Course NPTEL, during April-May 2023.
102. Tejaswini S. M. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
103. Ujit Bej from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
104. V. Manoritha from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
105. V. Prashanthi from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
106. V. Yogapriya from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
107. Vaibhav. V from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
108. Venugopal. L from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
109. Vinay P. S. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
110. Vinay. R from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
111. Vinutha P Hiremath from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
112. Yashaswini K. L. from 8th semester ECE has successfully completed Online Course ANALYTICA, during April-May 2023.
113. Yashaswini K. L. from 8th semester ECE has successfully completed Online Course ANALYTICA, during April-May 2023.
114. Meghana. P from 8th semester ECE has successfully completed Online Course Cisco thingQbator and Nasscom Foundation, during April-May 2023.
115. Shreyas S Kumar from 8th semester ECE has successfully completed Online Course Cisco thingQbator and Nasscom Foundation, during April-May 2023.

116. Alla Baksh from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
117. Alla Baksh from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
118. Chetan Chennabasappa Mamani from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
119. Mrinmay Das from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
120. Mrinmay Das from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
121. Prathima. V from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
122. Sandeep Kumar K from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
123. Sanjay C. K. from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
124. Sanket S Desai from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
125. Sanket S Desai from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
126. Sneha Hiremath from 8th semester ECE has successfully completed Online Course NASSCOM, during April-May 2023.
127. Tilak Kumar S. H. from 8th semester ECE has successfully completed Online Course UDEMY, during April-May 2023.

Department of Information Science & Engineering/Data Science:

- Tejas S (3 Semester-ISE) has successfully completed two weeks the online certification course in the title of "Basics of Python" conducted by Infosys during October 2022.
- Tejas S (3 Semester-ISE) has successfully completed the online certification course in the title of "Python(Basic)" conducted by "Hacker Rank" during October 2022
- Sanjana Balasubramanya (3 Semester-ISE) has successfully completed two weeks the online certification course in the title of "Python (Basic)" conducted by "Hacker Rank" during October 2022

- Mohit R (3 Semester-ISE) has Successfully Completed the Certification Program in Data Science offered by The Digital Adda during December 2022.
- Dinesh. P [1MJ20CD008] completed the Online NPTEL 8-week Course in 'Data Science for Engineers', conducted by IIT Madras.
- Dinesh. P [1MJ20CD008] completed the Online NPTEL 12-week Course in 'Computer Networks and Internet Protocol', conducted by IIT Kanpur.
- 94 students from 8th semester ISE completed Online Certification Courses, with a maximum number of 8 weeks per course, in various titles, conducted by various organizations like Coursera, NPTEL and Udemy, during February-May 2023.

Department of Mechanical Engineering

1. Shreyas M Benawadi from 8th semester completed the 30-day Online Course 'Master Class on JAVA Programming', conducted by Pantech E-Learning, Chennai, during April-May 2023.
2. Rajesh. S from 8th semester completed 6-week Online Training on CATIA, conducted by Internshala Training, during March-April 2023.
3. Syed Mohammed Shah from 8th semester completed 6- week Online Training on CATIA, conducted by Internshala Training, during March-April 2023.
4. S. G. Chethan from 8th semester completed 6-week Online Training on CATIA, conducted by Internshala Training, during March-April 2023.
5. Harish. V from 8th semester completed 6-week Online Training on CATIA, conducted by Internshala Training, during March-April 2023.
6. Ramanand Kumar Singh from 8th semester completed 8-week Online Training on CATIA, conducted by Internshala Training, during March–April 2023.
7. Pranav S. P. from 8th semester completed 4-week NPTEL Online Course on 'Inspection and Quality Control in Manufacturing', conducted by IIT Roorkee, during January–February 2023.
8. Niketh. C from 8th semester completed 8-week Online Training on CATIA, conducted by Internshala Training, during March–April 2023.
9. Deepak Gowda G. K. from 8th semester completed 8-week Online Training on CATIA, conducted by Internshala Training, during March–April 2023.

12. Faculty's Certification Courses

Department of Aeronautical and Aerospace Engineering:

- Dr. P.Manikandan successfully completed the “Master trainer in Aeronautical Engineering” conducted by HAL Management Academy Bengaluru from 17th to 28th of January 2023

Department of Chemical Engineering:

- Prof.S.Megala successfully completed the online NPTEL 12-week course in the title of “Transport Phenomena” conducted by IIT, Kharagpur during July 2022-Oct 2022.
- Prof.S.Megala successfully completed the online course in the title of “Introduction to Data Analysis using Microsoft Excel” conducted by Coursera Platform during July 2022.
- Ms. Megala. S attended the Online NPTEL 12-week Course on ‘Thermal Processing of Foods’, conducted by IIT, Guwahati, during July-October 2022.

Department of Civil Engineering

1. Prof. Vidhya Carmel attended the 6-day Faculty Development Program on ‘UHV-II’, from 13th to 18th February 2023, conducted by AICTE.
2. Prof. Nisha. M attended the 6-day Faculty Development Program on ‘UHV-II’, from 13th to 18th February 2023, conducted by AICTE.
3. Prof. Asra Fathima attended the 6-day Faculty Development Program on ‘Introduction to Internet of Things’, from 17th to 21st April 2023, an AICTE-VTU Joint Teaching Training Program.
4. Prof. Asra Fathima attended the 6-day Faculty Development Program on ‘Analog VLSI Design using EDA Tools’, from 20th to 25th March 2023, an AICTE-VTU Joint Teaching Training Program.
5. Prof. Asra Fathima attended the 6-day Faculty Development Program on ‘Introduction to Web Programming’, from 27th to 31st March 2023, an AICTE-VTU Joint Teaching Training Program.
6. Prof. Asra Fathima attended the 6-day Faculty Development Program on ‘Artificial Intelligence and Robotics’, from 24th to 30th April 2023, an AICTE-VTU Joint Teaching Training Program.
7. Prof. Nisha. M attended the 8-week Faculty Development Program on ‘Development and Applications of Special Concrete’, from 23rd January 2023 to 17th March 2023, conducted by NPTEL-AICTE.

Department of Computer Science & Engineering/Artificial Intelligence & Machine Learning/Computer Science & Design

1. Mrs. Poshitha. M, Assistant Professor - CSE department, has taken the Innovation Ambassador Training 'Foundation Level', conducted in Online mode by MOE Innovation Cell and AICTE, during the IIC calendar year 2022-23.
2. Mrs. Thejaswini, Assistant Professor - CSE department, has taken the Innovation Ambassador Training 'Foundation Level', conducted in Online mode by MOE Innovation Cell and AICTE, during the IIC calendar year 2022-23.

Department of Information Science & Engineering/Data Science

1. Prof. K. L. Sharmila Thagoor completed the Course on 'Hands-on Beginner Guide on Big Data and Hadoop 3', conducted by Infosys Springboard, on 7th July 2023.

Department of Mechanical Engineering:

- Dr. Santhosh N successfully completed the online NPTEL 8-week course in the title of "Accreditation and Outcome Based learning" conducted by IIT, Kharagpur during August 2022-October 2022.

Department of Mathematics:

- Prof.S.Sudalaikani successfully completed the online NPTEL 12-week course in the title of "ESSENTIAL MATHEMATICS FOR MACHINE LEARNING" conducted by IIT, Roorkee during July 2022-Oct 2022.
- Prof. Sudalaikani. S completed the NPTEL 12-week Course 'Scientific Computing using MaTLab', conducted by IIT Madras, during January-April 2023.

13. Outreach and Extension activities:

Department of Electrical & Electronics Engineering:

- Organized a session on Awareness program on 'Clean and Green Energy' on 13.12.2022 at Govt. High School, Doddagattiganabbe.

Department of Electronics & Communication/Industrial IoT

1. Dr. Rapi Debnath from the Department of IIOT, MVJ College of Engineering, was the Resource Person at REVA University, School of Electronics & Communication Engineering, in the 5-day FDP on 'Recent Trends in Engineering Nanomaterials & Nanotechnology for Optoelectronics and Memory Applications'. Dr. Rapi Debnath spoke on the topic 'MEMS based PVEH'. The FDP was held from 22nd to 26th May 2023 and was sponsored by the Science and Engineering Research Board (DST-SERB), Government of India.



Dr.P.MAHABALESWARAPPA
PRINCIPAL
Principal
M.V.J. College of Engineering
Bangalore - 560 067