



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

Annual Report 2023-24

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

Commencement of 1st Year Classes

The Commencement of I Year Classes and Induction Program was inaugurated on 3rd September 2023. Prof. Khincha, Former Hon'ble Vice Chancellor, VTU, Belgaum was the Chief guest for this occasion, followed by 1 week induction program. 2 weeks of Induction Program, Phase-2 has been organized for I year students from 25th March 2024.

Alumni Day Celebration

Alumni day was organized on 23rd September 2023. The Chief guest was Mr. C V Krishna Reddy, Resident Engineer, Satra Group, Class of 1991, Department of Civil Engineering.

Organization of Graduation Day

36th Graduation Day was organized on 1st October 2023. The Chief guest was Dr. K Rajalakshmi Menon, Distinguished Scientist & Director, Centre for Air Borne Systems, DRDO, Bengaluru.

IQAC Day

- Internal Quality Assurance Day (IQAC) day was organized on 2nd November 2023. Dr.N. Alagumurthi, Professor, Department of Mechanical Engineering, Puducherry Technological University, Puducherry, graced the occasion as the Chief Guest. The importance of Outcome Based Education (OBE) and role of stakeholders in the OBE process were highlighted. IQAC Handbook and newsletters were released. A certificate for the best library user was given to faculty and students. Certificates were also provided to students who have made their contributions through NCC and innovative projects.
- A Workshop on POSH (Prevention, Prohibition and Redressal) was organized on 10th November 2023. The resource person was Mr. T.K Rajiv, Director of Suprajiv Technical and Management Studies Pvt Ltd. 25 faculty members from various departments attended this workshop.
- 5th Academic Council meeting was held on 25th November 2023.
- A new campus Management Software, ‘ETLAB’ is implemented from 1st December 2023.
- Project Expo 2024 Launch event was held on 21st December 2023. A poster design competition was also conducted.
- MVJCE organized a one-day workshop on ‘AI tools and usage’ on 24th February 2024. 50 faculty members attended the session. The resource person was Dr. Viraj Kumar, Member of BoG, MVJCE, Bangalore.

Project Expo 2024

- MVJCE organized Project Expo 2024 on 27th April 2024. Shri Somanath, ISRO Chairman, Secretary- Department of Space and presided over by Padma Bhushan Dr. B. N. Suresh, Founder Director & Chancellor, IIST, Trivandrum and Chairman, Board of Governors, MVJCE, Bangalore The theme chosen for this Expo was “Innovative Engineering Solutions Beyond Boundaries”, and the primary objective was to stimulate young minds and provide an opportunity for students to unleash their potential in transforming their ideas into innovative projects or prototypes, particularly in current cutting-edge technology areas. There were around 150 projects displayed at the Project Expo, of which 119 were by MVJ College of Engineering and 31 external projects by 31 other colleges.

Open Day 2024

- An Open day was organized on 28th April 2024. Dr.Ali Khwaja, founder and Chairman of Banjara Academy, counsellor, author ,life skills coach and educator and Ms.Hema Malini K R, founder Promoter and COO of INCITE CAM CENTRE, ex head operations at WIPRO Automation division and president of CLIK were the guests.

Founders Day 2024

The 96th Birth Anniversary of our Founder and Mentor of MVJ Group of Institutions, Dr. M V Jayaraman, was celebrated on 17th May, 2024. Awards were presented to the Autonomous Rank holders, Student Toppers for the academic year 2022-23,Achievement in Sports and Culturals, College level Toppers, Best Outgoing Student and MVJCians who had published Papers in reputed national and international journals and got funded projects.

Cultural Fest -Swayam 2024

MVJ College of Engineering recently concluded its much-anticipated national-level intercollegiate cultural fest, SWAYAM 2024, held on May 24th and 25th. This year's event was a vibrant celebration of talent, creativity, and cultural diversity, drawing students from various colleges across the nation to the MVJ College campus.

The Chief Guest, Karnataka Kalasri Vidwan H S Murthy Venugopal, graced the occasion alongside MVJ College's Principal, Dr. V Suresh Babu, Vice Principal, Dr. M Brindha, and Dean Academics, Dr. Srinivas L Gombhi. The inaugural event featured an enthralling classical music performance by Dhvani, a captivating dance by Nrityatrix, and a solo performance titled 'Krishna Devernama' by Titir.

SWAYAM 2024 was a resounding success, offering a platform for students to showcase their talents, celebrate cultural diversity, and build lasting connections. The event highlighted the vibrant cultural landscape of MVJ College of Engineering, leaving a lasting impact on all who participated.

AICTE Activity points completed by students in 2023-24:

S No	Dept.	No. of students completed AICTE Activity points
1	AE	42
2	AS	31
3	CH	19
4	CV	24

5	CS	274
6	AIML	48
7	ECE	77
8	EEE	32
9	IS	111
10	DS	46
11	ME	20
	Total	651

Guest Lectures/seminars organized:

Central Library:

1. The Central library, MVJCE, Bangalore in collaboration with VTU Consortium organized a Knimbus user Training Programme on 4th October 2023 at 10:30 am in the Dr. M. V. Jayaraman Auditorium of MVJCE for Faculty members and students.
2. The Central Library MVJCE collaboration with the VTU consortium and IEEE Xplore conducted a Training programme on ‘Leverage your scholarly research using IEEE xplore new features’ on 8th December 2023 for faculty members and students.

Department of Aeronautical and Aerospace Engineering:

1. Organized a “Guest Lecture on ‘Prototype Aircraft Flight Testing’” on 5th October 2023. Rtd. Gp. Capt. Rajender Singh Makker, Designate Examiner and Instructor, Spice jet Limited, Bengaluru was the resource Person.
2. Conducted add-on course on Emerging trends in Applied Aerodynamics & Computational Fluid Dynamics on 1st February 2024. Resource person was Mr.Senthil Kumar, Scientist-F, Centre for Military and Airworthiness Certificate (CEMILAC), DRDO
3. Conducted add-on course on 4th March 2024 titled “Breaking Barriers: A Journey Through Aviation History”. Resource person was Dr Lokanna Hoskoti, Project Scientist, Department of Aerospace Engineering, IIT- Hyderabad.
4. Organized a guest lecture on “Aircraft System Identification and Parameter Estimation” on 22nd May 2024. The guest was Khadeeja Nusrath, Principal Scientist at NAL. 178 students were attended the event.
5. A guest lecture on "The Multiwavelength Observations of the Sun and Their Inferences by Dr. Kathiravan Chidambaram, Associate Professor, Indian Institute of Astrophysics, Bangalore was organized on 19th June 2024. 160 students attended.

Department of Chemical Engineering:

1. Organized a "Guest Lecture on "Environmental pollution and Mitigation" on 1st August 2023, Dr.K.Balasubramani, CEO and Managing partner of Global Scientific and Technological innovation Centre, Bangalore was the resource person.
2. Organized a "Guest Lecture on "Industrialisation and its Impact on Environment" on 14th August 2023.Dr. Kumaraswamy, Director (Retd), KSPCB, was the resource person.
3. Organized a “Guest Lecture on Enhancing food Safety and Quality through Testing, Instrumentation and Packaging” on 30th September 2023. Dr. Shalini Sharma, Manager, Eurofins Analytical Services Bengaluru was the resource person.
4. Conducted a Guest Lecture on "**Solar Energy - A Power Industry in the Making**" on 25th January 2024. The resource person was Dr Chetan Raghuvver, Director, Enfros Technologies Pvt. Ltd. Bangalore.
5. Conducted a Guest Lecture on “**E-Waste Management-Issues and Challenges**” on 6th March 2024 from 11.15AM-1.10PM. The resource person was Mr. Ramesh Kumar BN, Chief Environmental Officer (Rtd), KSPCB.

Department of Civil Engineering:

1. Organized a guest lecture on ‘Advanced Practices in Structural Engineering’ on 21st August 2023. Mr. Sudarshan S Iyengar, Senior Director, Stedrant Technoclinic Pvt Ltd, Bangalore, was the Resource Person.
2. Organized a guest lecture on ‘Advanced Non Destructive Testing’ on 22nd August 2023. Dr. Sapna Devendra Regional Manager- South at Ambuja Cements Ltd in Bengaluru, was the Resource Person.
3. Organized a guest lecture on ‘Recent Developments in Construction Technology’ on 6th September 2023. Sri. G Srinivasa, Founder, Rapid Road Technology, Former Vice President & Head, White Topping, UltraTech Cement Ltd. Bangalore was the Resource Person.
4. Organized a guest lecture on ‘Special Applications of Geotechnical Engineering’ on 15th September 2023 on the occasion of Engineers Day. The resource person was Dr. P C Parthasarathy, Founder Director of Sarathy Geotech & Engineering Service Pvt. Ltd., Bangalore.
5. Organized a guest Lecture on “Transparent Concrete”, on 23rd September 2023. The resource person was Mr. Kaushik Hajra, Zonal Technical Services Manager, Aditya Birla Group, Bangalore

6. Organized a 'Value Added Course on Codal Provisions in Civil Engineering' on 14th December 2023 and 22nd December 2023. Dr. B V Venkatarama Redy, Professor (Rtd.), Department of Civil Engineering, IISc. Bengaluru – resource Person on 14th December and Mr. Prabhakar Gundlapally, Associate Director and Scientific Officer, NPCIL, Mumbai was the resource person on 22nd December 2023.
7. Organized a Guest lecture on "Planning and Execution of Civil Engineering Projects" on 27th January 2024 and the resource person was Mr. N. Nageswara Rao, Vice President, MISTA Infra Ltd. Bengaluru.
8. Organized a Guest Lecture on "Application of GIS and Remote sensing in Civil Engineering" on 08th June 2024. Mr. P V Rajasekhar, Additional Surveyor General, Southern Zone, Survey of India was the Resource Person. 50 UG (IV and VI Semester) and PG students of Civil Engineering have attended.

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

1. A guest lecture on 'Replication Technologies – Oracle' was conducted on 17th August 2023 for the 4th semester students and the session was handled by Mr. Anil T Chacko, Manager at Capgemini.
2. A guest lecture on 'Cloud Analytics' was conducted on 26th August 2023 for 4th and 7th semester students and the session was handled by Mr. Ragavendran Nagarajan, Full Stack Developer, SAP.
3. A guest lecture on 'Generative AI' was conducted on 26th August 2023 for the 7th and 4th semester students and Mr. Karthiban Pandian, Team Leader, Delivery Transformation, PWC (Price Waterhouse Coopers), Bangalore was the Resource Person.
4. A guest lecture on 'The Collision of AI and web3' was organized on 22nd September 2023. The Resource person was Mr. Farqook Christy, Web3 Marketer, SmartSev IT Solution.
5. Organized a guest lecture on 'Storage Area Network' on 25th November 2023, Mr. Prabhu Barrow Selvaraj, Storage Trainer Bangalore CSC for Hewlett Packard Enterprise was the resource person.
6. Organized a Guest lecture on "Career Perspective on various engineering domain" on 5th February 2024 and the resource persons are Mr. Mohammed Yasin Khan, Pizza House Entrepreneur FMCG, Sales and Marketing Manager and Mr. Akash Akku Co-speaker
7. Organized a Guest lecture on "Future of Cloud computing" on 10th February 2024 and the resource person was Mr. Tejas Rana, Technical Manager, HCL Tech Bengaluru.

Department of Electronics & Communication/Industrial IoT:

1. Organized a guest Lecture on ‘Career prospective in Embedded Domain’ on 12th August 2023, The Resources Person was Mr. Anil Achoora, Lead Engineer, Embedded Domain, Siemens Bangalore.
2. Organized an IEEE Day Guest lecture on ‘Performance Engineering in Modern Processors’ on 16th November 2023, Dr.K V .Subramanian, Principal Member of Technical AMD was the resource person.
3. Organized a Guest lecture on ‘Health care innovations with Cobotics and IOT’. Dr. Vivek Maik, Principal Scientist, IIT Madras was the resource person.
4. Organized a Guest Lecture on ‘Trends in Cyber Security’ on 23rd December 2023. Mr.Souvik Das, Director, Ernst &Young was the resource person.
5. Add on Lecture on “LabVIEW and Its Applications in Core Industry” was organized by the Department of Electronics and Communication Engineering on 22nd January 2024. Mr Vasantha Kumar, President, VI Solutions, Bangalore was the resource person.
6. Organized a guest lecture on “Web Technologies” on 27th January 2024.The resource person for the event was Shri. Anil T Chacko, Manager, Capgemini.
7. Organized an Add-on Lecture session on “Analysis and Design of Digital Circuits” of **6 hours** for 3rd semester ECE students commencing from 17th January 2024 to 30th January 2024 and **2 hours** for 5th semester IIOT students commencing from 26th February 2024 and 28th February 2024. Dr. Apurba Das, Head, Cognitive AI was the resource person.
8. Organized a guest lecture on “Emerging Trends in Artificial Intelligence” on 15th May 2024.. Dr Suresh Sundaram, Professor, Control & Guidance, IISC, Bangalore was the Resource Person.250 ECE Students attended.
9. Organized a guest lecture on “India’s Space Explorations and Future Missions” on 2nd June .2024. Ms Litty Jose, Scientist/Engineer SF, ISRO, Bangalore was the Resource person.101 ECE Students attended.
10. Organized a guest lecture on 08.06.2024 – “Convergence of AI, IoT, and 5G for Intelligent Connectivity” on 08th June 2024.. Prof Murali C, Distinguished Fellow, Former Vice President, IETE, New Delhi was the resource person.108 ECE and IIOT Students attended
11. Organized a guest lecture on “6G and Beyond: Research Applications” on 20th June 2024. Dr Navin Kumar, IEEE Execom Member, Chairperson and Professor Amrita Vishwa Vidyapetham, Bangalore was the Resource Person. 95 students of ECE participated.

12. Organized a Guest Lecture on “Emerging Technologies in Electric Vehicles and Fast Charging” on 8th June 2024, Dr. Sanjeev k Nayak, EDU Manager, Alstom, Bangalore was the resource person.
13. Organized a Guest Lecture on “Process Design, prototyping and product design” on 22nd June 2024, Dr. Sandeep Kumar E, Lead AI Specialist, Bosch Global Software Technologies Pvt Ltd, Bangalore was the resource person.
14. Organized a Guest Lecture on Advances in Precision Manufacturing on 08th June 2024. Mr. Manjunath K, Senior Scientist CMTI was the Chief Guest for the Program. 77 students from 2nd and 3rd year ME and AE participated in the event.

Department of Electrical & Electronics Engineering:

1. Organized a guest Lecture on ‘FPGA Based Prototyping’ on 1st September 2023, Dr. Selvakumar Ramasethu, Senior Principal Solutions Engineer, Cadence Design Systems, Bangalore was the Resource Person.
2. Organized a Guest Lecture on “Challenges in Microgrid Technologies” on 9th December 2023. Mr. Nanda Kishore L, Senior Engineer - Solar at DNV MES India Pvt Ltd, Bangalore was the resource person.

Department of Information Science & Engineering/Data Science:

1. Organized a guest lecture on ‘Generative AI’ on 26th August 2023. Mr. Karthiban Pandian Team Leader, Delivery Transformation, PWC (Price Waterhouse Coopers), Bangalore, was the Resource Person.
2. Organized a guest lecture on ‘Storage Area Network’ on 25th November 2023, Mr. Prabhu Barrow Selvaraj, Storage Trainer Bangalore CSC for Hewlett Packard Enterprise was the resource person.
3. Organized a Guest lecture on "Career Perspective on various Engineering domain" on 20th January 2024 and the resource persons were Mr. Mohammed Yasin Khan, Pizza House Entrepreneur FMCG, Sales and Marketing Manager and Mr. Akash Akku, Co-speaker .
4. Organized a Guest lecture on "Future of Cloud computing" on 10th February 2024 and the resource person was Mr. Tejas Rana, Technical Manager, HCL Tech Bengaluru.

Department of Mechanical Engineering:

1. Organized a guest lecture on 'FEA and Industrial Applications' on 4th August 2023. Mr. Chandan Inamdar, Design Engineer - II, Applied Materials, was the Resource Person.
2. Organized a Guest lecture on 'Significance of Metrology and Measurement in Material Testing' in association with DYNAMMECH, IIEC, ISTE and IQAC-MVJCE on 13th October 2023. Dr. Ammanagi Somayya, Head R & D BISS – ITW India Ltd., was the resource person. 75 students participated in the interactive session and learnt about the importance of metrology and measurement in material testing.
3. Organized a Guest lecture on 'Mathematics in Science and Technology' on 27th November 2023. The resource person was Dr. Krushna Chandra, Principal scientist, CSIR 4Pi, Bangalore.
4. Organized a Guest lecture on 'Importance of Materials Synthesis and Characterization for Precision Machining' in association with DYNAMMECH, IIEC, ISTE and IQAC-MVJCE on 15th December 2023. Mr. Niranjana Reddy, Scientist F, CMTI R&D Establishment Under Ministry of Heavy Industries, Govt of India was the resource person. 75 students participated in the interactive session and learnt about the importance of materials synthesis, and characterization for ultra and micro precision machining.
5. Organized a Guest lecture on "Industrial Design and Analysis" on 23rd February 2024 and the resource person was Mr. Bharath P, Scientist C, CMTI Bengaluru.
6. Mr. C Siva Kumar (ME- Alumnus, 2001- Batch), Addl Commissioner of Income Tax at the Indian Revenue Service, IRS Officer – delivered a half-day session on Career after Engineering on 24.02.2024.
7. A webinar on "US College Admission Guidance for Master's Program" by Kiran S. Narashim (ME- Alumnus, 1997 Batch), Director of Advanced Analytics & President at Whiz Tech Consulting was arranged on 30th March 2024.

Department of Mathematics:

1. Organized a Guest lecture on "The Role of Mathematics in Artificial Intelligence and Big Data" on 19th February 2024, and the resource person was Dr. Kantha Rao Bhimala, Senior scientist, CSIR 4Pi, Bangalore.
2. Organized a Guest lecture on "Numerical methods to Solve Systems of Linear equations" on 29th May 2024, the resource person was Dr. G D Veerappa Gowda, TIFR CAM.
3. Organized a Guest lecture on "Applications of Mathematics in Engineering" on 29th June 2024, the resource person was Dr. G N Mohapatra, Senior scientist, CSIR 4Pi.

Department of Physics:

1. Organized a Guest lecture on ‘Cryogenics Technology: Fundamentals and Applications’ on 23rd November 2023. The resource person was Dr. S. Kasthuriengan, Professor, Centre for Cryogenic Technology, IISc., Bengaluru.
2. Organized a guest lecture on “Real Life Sensor applications based on IIOT” on 13th April 2024, the resource person was Dr. Arjit chakraborti, Lead storage, DXC Technology, Bangalore.
3. Organized a guest lecture on “4D-Biomaterials: Beyond three dimensions” on 20th May 2024, the resource person was Dr. Amit Nain, Assistant Professor, IISc., Bangalore.

Department of Chemistry:

1. Organized a guest lecture on ‘Nanomaterials Synthesis and Applications’ on 26th August 2023. Dr. Dinesh Rangappa, Professor, Department of Applied Sciences (Nanotechnology) Center for PG studies, VTU, Bengaluru was the resource person.
2. Organized a guest lecture on 23rd March 2024 on “Nanotechnology for Advanced Engineering applications”. Dr. S.T. Aruna, Senior Principal Scientist, NAL, Bangalore was the resource person.
3. Organized a guest lecture on “Solid Waste management” on 26th June 2024, the resource person was Mr. G.S. Manjunatha, Deputy environmental officer, Central Pollution Control Board regional office Bangalore.
4. Organized a guest lecture on “Polymer and composite materials in daily life” on 28th May 2024, the resource person for the event was Dr. Muthulakshmi R.T.S Professor, Department of Chemistry, Azim Premji University.

Department of MBA:

1. Organized a guest lecture on ‘Digital Marketing’ on 20th September 2023. Mr Sharan Kulkarni, CEO & Founder of Digtchniks, Bangalore was the resource person.
2. Organized a Guest Lecture on ‘Motivation Magic’ on 22nd September 2023. Dr. Ahila Krishnamurthy, Managing Director of DARAMIC was the resource person.
3. Conducted a guest lecture on “Recent Trends in HR Management” on 27th Jan 2024. Mr. Paul David Vimal HR- Head – Red Apple Kitchen Consultancy was the Chief Guest.

4. Conducted a guest lecture on “Competency Through Process Management”. The resource person was Ms. Kavitha Parthasarathy- Group Head – Operations, BioQuest Global Solutions Pvt Ltd

Industrial visits organized:

Department of Aeronautical and Aerospace Engineering:

1. Organized an industrial visit to the Gauribidanur Radio Observatory on 02nd August 2023.
Organized an industrial visit to the Gauribidanur Radio Observatory on 13th September 2023.
2. Organized an industrial visit to the HAL Engine Division on 23rd September 2023.
3. Organized an Industrial visit to HAL (Engine Division), Bangalore on 2nd December 2023. 19 Students from 7th semester Aerospace department participated in this visit.
4. Organized an Industrial visit to HAL (Engine Division), Bangalore on 22nd June 2024. 27 Students from 6th semester Aeronautical department participated in this visit.

Department of Civil Engineering:

1. Organized an Industrial visit to Bangalore Metro Rail Corporation Limited (BMRCL), Yelahanka, Bangalore on 18th October 2023. The final year UG and first year PG (structures) students participated in the visit.
2. Organized a one-day Industrial Visit to Geological Survey of India, Bengaluru on 20th December 2023. 38 students from V and III semester participated in this visit.

Department of Chemical Engineering:

1. Organized a one-day Industrial Visit to "Cipla labs- KR Puram Bangalore" for 7th & 5th Semester Students on 23rd September 2023.
2. Organized an Institute visit to Jawaharlal Nehru Centre for advanced science and research (JNCASR). Bangalore on 18th Jan 2024 for the students of III and V semester chemical engineering.
3. Organized an Industrial visit to Enfros Technologies Pvt. Ltd. Bangalore on 2nd Feb 2024 for the students of III and V semester chemical engineering

Department of Electronics & Communication/Industrial IoT:

1. Organized an Industrial Visit to “District Telecom Training Centre BSNL – Indiranagar-Bangalore” for 7th Semester Students on 15th September 2023.
2. Organized an Industrial Visit to ISRO, Bangalore on 4th October 2023. 50 students from 7th Semester AIML participated in this visit along with 2 Faculty.
3. Organized an Industrial visit to Doordarshan Kendra, Bangalore on 5th December 2023. 55 Students from 5th semester participated in this visit.
4. Organized an Industrial visit for 5th semester students to BSNL, Bangalore on 23rd January 2024.
5. Organized an Industrial visit for 3rd semester students to BSNL, Bangalore on 24th January 2024.
6. Organized an Industrial visit to Doordarshan Kendra, Bangalore on 18th June 2024. 45 Students from 4th C semester ECE department participated in this visit.

Department of Electrical & Electronics Engineering:

1. Organized an Industrial visit on 8th September 2023 to ‘Leep eDrive Pvt. Ltd. Hosur’ for 4th and 7th semester students of Electrical and Electronics Engineering. 53 students visited the electric vehicle company.
2. Organized an Industrial Visit to IISC High Voltage Lab, Bangalore on 20th December 2023, 32 students from 7th semester participated in this visit.
3. Organized an Industrial Visit for 5th semester students to Vijaya Power Transformers, Bangalore on 24th January 2024.
4. Organized an Industrial Visit to Hoodi Substation, Bangalore on 25th May 2024, 45 students from 4th semester participated in this visit.
5. Organized an Industrial Visit to Yelesandra Solar Power Plant, Kolar on 19th June 2024, 32 students from 4th semester participated in this visit.

Department of Mechanical Engineering:

1. Organized a Industrial visit on 4th August 2023 to ‘Moog Controls India Ltd’ for 4th semester students of Mechanical Engineering. 36 students visited the company accompanied by Prof. H D Shivakumar.

2. Organized an Industrial visit on 7th August 2023 to 'ADE Labs' for 4th semester students of Mechanical Engineering. 36 students visited the company accompanied by Prof. H D Shivakumar and Prof. Kiran K K.
3. Organized an Industrial visit on 15th September 2023 to 'CMTI' for 7th semester students of Mechanical Engineering. 37 students visited the company accompanied by Prof. H D Shivakumar.
4. Organized an Industrial Visit for 5th semester students to VST Tractors and Tillers Ltd., Malur on 30th January 2024.

Department of Management Studies

1. Organized an Institutional Visit to IISc Open Day for I and II MBA Students on 24th February 2024.

Workshops/STTPs organized:

Department of Aeronautical and Aerospace Engineering:

1. Organized a three-day Workshop on 'Aircraft Design and Certification' from 9th November 2023 to 11th November 2023 in association with Department of Mechanical Engineering. The resource persons were Shri. K. S. Nagesh, Scientist G, Group Director, ADA, Bangalore, Shri. Pratish Kumar, Scientist, CEMILAC, Bangalore, Shri. R Kumar, Scientist, RCMA, DRDO, Bangalore, Shri. K. Selvaraj, Director-ADE, Scientist G, Bangalore, Shri. S. K. Jha, Scientist G, RCMA, DRDO, Bangalore and Manonmani, DGM, HAL, Bangalore.

Department of Chemical Engineering:

1. Organized a One day Workshop on "Monitoring and evaluation of Industrial wastewater Parameters and Air pollution Monitoring" on 06-09-2023 in association with Karnataka State Pollution Control Board. 46 students from 7th and 4th semester has participated in this event.
2. Organized a three-day STTP on 'Sustainable Environmental Technologies and Practices' from 9th October 2023 to 11th October 2023. The resource persons were Dr. Ananth S Kodavasal, MD, Ecotech Engineering Consultancy Pvt. Ltd., Bangalore, Mr. Ranganath GC, Associate Professor, Bangalore Institute of Technology, Bangalore and Dr. Lokeswari M, Associate Professor, RVCE, Bangalore.

Department of Civil Engineering:

1. Organized a three-day Workshop on ‘Construction Methods and Techniques’ from 30th August 2023 to 1st September 2023 at Seminar Hall 5. Dr. Masood Sharief, Chief General Manager (Quality) at BMRCL, Mr. Subramanya Gudge, the Chief Engineer at BMRCL, Mr. Raghavendra Shanbhag, Deputy Chief Engineer at BMRCL have emphasised the construction techniques to be followed in the construction of Metro Stations. Students and faculty members of the Department of Civil Engineering are participated in the Workshop.
2. Organized a Workshop on ‘Drone Surveying’ on 10th November 2023. The resource people were Mr. Yashas C R, Co – founder of Axesmap, Bengaluru Mr. Vasuprasad, Survey Operations Head, Customer Relations, Axesmap, Bengaluru and Mr. Mark Vailshery, Technical Head Axesmap, Bengaluru.

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

1. A STTP on Computer Networks and Cyber Security was conducted on 9th September 2023 for the 7th semester students and the session was handled by Ms. Sanjana Rathi, CEO and Founder-CyberDiplomat LLC.

Department of Electronics & Communication/Industrial IoT:

1. Organized a STTP on ‘A practical approach to modern measurement techniques using NI LabVIEW’ was organized by the Department of Electronics and Communication Engineering from 16th August 2023 to 18th August 2023. The Resources Person was Mr. K.V. Arunraguram, Captronic systems Pvt Ltd, Bangalore. 28 students participated from various departments.
2. Organized a Two-day Workshop on ‘Emerging Trends and Applications in IOT’ 17th August & 18th August 2023 by the Department of Electronics and Communication Engineering & IIOT. 48 participants from the 2nd and 4th Semester of Student MVJCE attended this Workshop, enthusiastically. The Resources Person was Ms. Mary Thomas, Product Owner, Robert Bosch Engineering and Business Solutions Private Limited, Bangalore & Dr. Apurba Das, Head, Cognitive AI, Tata Consultancy Services, Bangalore
3. A workshop on ‘LabVIEW for Graphical System Design’ is scheduled from 13th November 2023 to 28th February 2024.
4. Two-day Workshop on ‘Convergence of IoT and big data’ was organized by the ECE and IIOT Department 5th and 6th March 2024. Resource persons were Dr. Apurba Das,

Head Cognitive AI, TCS, Bangalore, Mr. Dhanajay Kumar Singh, Founder Roboprenr, Bangalore and Ms Pooja Sachin, Founder, CEO Robomations, Bangalore.

5. Organized a one-day STTP on “Integration of Cloud Computing and Quantum Computing” on 22nd June 2024. The guest speaker of the workshop was Dr Ishu Gupta, Ramanujan Faculty Fellow, IISc Bangalore).6th sem ECE students attended the workshop.

Department of Electrical and Electronics Engineering:

1. Organized two days workshop on “NI Multisim circuit Design Suite” from 19th January to 20th January 2024, Resource person was Mr.Satyanarayanan R, Application Engineer at VI solution, Bangalore.
2. Organized two days STTP on “Realization of Electrical Concepts Using MATLAB and Simulink” from 10th February 2024 to 12th February 2024, Resource person was Dr.Sanjeev K Nayak, Edu Manager, Alstom, Bangalore.
3. Organized a 2-Day Workshop on “Design, develop and real time implementation of control algorithms for electrical systems using LabView” from 30th May 2024 to 31st May 2024. Mr. Satyanarayan, Applications Engineer at VI Solutions, Bangalore was the resource person.

Department of Information Science & Engineering/Data Science:

1. Organized one day STTP on ‘Computer Networks and Cyber Security’ on 9th September 2023. Ms. Sanjana Rath, CEO & Founder - CyberDiplomat LLC Cyberdiplomacy | Cybersecurity | Drones & Counter-Drone | Researcher was the resource person for STTP.

Department of Mechanical Engineering:

1. Organized a three-day Workshop on ‘Additive Manufacturing’ from 17th to 21st August 2023 in association with Chemical Engineering department. Sri. Vinod A R, Scientist D, CMTI, Shri. Manjunath Scientist C, CMTI, Shri Muralidharan Director, RP3D Products India Ltd., were the resource persons. The training program is to impart knowledge on Additive Manufacturing. Students and faculty members of the Department of ME and CHE participated in the Workshop.
2. Organized a two-day STTP on ‘Industry 4.0’ from 8th September 2023 to 9th September 2023. Shri Narendra Reddy, Scientist D, CMTI, Shri Jayaprakash, Manager for Implementation of Industry 4.0 at TCS, and Mr. Sunil G S, Manager-MD’s office,

Mercedes Benz Research and Development India Ltd. were the resource persons. The training program is to impart knowledge on Industry 4.0. Students and faculty members of the Department of ME and CHE participated in the STTP.

Department Technical club Activities organized:

Department of Aeronautical and Aerospace Engineering:

1. Organized an Industrial visit to Gauribidanur Radio observatory on 2nd August 2023 and 13th September 2023.
2. Organized a Guest lecture on 'Drone Computing' under UAV Club activity on 21st November 2023. Dr SN Omkar, Chief Research Scientist, IISc, Bangalore was the resource person. 120 students participated in the interactive session and learnt about the growing Drone and UAV Technology with its applications.
3. Organized workshop on integration of robotic autonomy and AI in UAV technology on 29th May 2024. Mr.Jervis Anthony Saldanha, Machine Learning Developer at Virtual Staffing LLC.190 students were attended.
4. Guest lecture was organised on "The Multiwavelength Observations of the Sun and Their Inferences. Talk was given by Dr. Kathiravan Chidambaram, Associate Professor, Indian Institute of Astrophysics, Bangalore. 160 students were attended. 19th June 2024.

Department of Chemical Engineering:

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Department of Civil Engineering:

3. SRISHTI Club organized an event, 'Roadway Design', on 17th November 2023. Ms. Bhuvana S Assistant engineer, Jacobs, Bangalore was the judge.
4. SRISHTI Club organized an event on 'Model making of Bridges' on 29th November 2023. Mr. Raghunadh SB Group Chief Managing Director, Protect Group Engineering Services, Bangalore was the judge.
5. A club activity on "**Earthquake resistant structures**" was organized by SRISHTI Club, on 17th January 2024 and the resource speaker was Ms. Madhushree P, Product Specialist, TCS, Bangalore.
6. A club activity on "**Green building Design**" was organized by SRISHTI Club, on 10th February 2024 and the resource speaker was Mr. Kowshika V R Jois, Director, Qcrete Readymix (India) pvt Ltd., Bangalore.

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

1. Computer Science and Design department had inaugurated new club named 'INSCRIBE' on 17th August 2023 and a club activity 'ANIMAZE' was evaluated by Mr. Anil T Chacko, Manager at Capgemini.
2. The NIC Club had organized a club activity on 'Integrated Mind Herd' for the on 26th August 2023 and activity was evaluated by Mr. Ragavendran Nagarajan, Full Stack Developer, SAP.
3. The SDC Club had organized a club activity on 'Code Fusion' on 26th August 2023 and activity was evaluated by Mr. Ragavendran Nagarajan, Full Stack Developer, SAP.
4. The SDC Club had organized a club activity on 'App Monsters' on 9th September 2023 and activity was evaluated by Ms. Sanjana Rathi, CEO and Founder-CyberDiplomat LLC.
5. NIC Club organized a club activity on 'TECHNO E SPORTS (UNLOCK 2.0)' on 15th September 2023 and activity was evaluated by Mr. Santhosh Nagaraj, DevOps Engineer at Harman.
6. A club activity on "Break the Query using SQL" was organized by NIC CLUB on 6th February 2024 and the resource speaker was Mr. Mohammed Yasin Khan, Pizza House Entrepreneur FMCG, Sales and Marketing Manager

Department of Electronics & Communication/Industrial IoT:

1. Organized "Simulation Challenge of Electronic Circuits using NI Multisim" on 16th November 2023. Dr.K V Subramanian, Principal Member of Technical AMD was the judge.
2. Organized a club activity on "Robotics Design Challenge (Line Follower)" on 27th January 2024. The resource person was Shri. Anil T. Chacko, Manager, Capgemini
3. Organized a club activity on "AQUA RACE" on 24th February 2024. The resource person was Mr. Yeshwanth Raj, System Verification and Validation Engineer, INTEL, Bangalore.
4. Organized a E-Forza Club Activity on "Smart IOT Innovation Challenge" on 8th June 2024. The guest speaker of the event was Prof Murali C, Distinguished Fellow, Former Vice President, IETE, New Delhi. All Sem students of ECE participated in the event.
5. Organized a E-Forza Club Activity on "3D Design Challenge" on 22nd June 2024. The guest speaker of the event was Ms Litty Jose, Scientist/Engineer SF, ISRO, Bangalore. All Sem students of ECE participated in the event.

Department of Electrical & Electronics Engineering:

1. Organized a Club activity, 'Technical Writing and Presentation Skills on Application of Cyber Security in Electrical Engineering' on 9th September 2023. The Chief Guest: Mrs. Elizabeth Mohandoss, IT Validation Engineer, Cytiva Bangalore. 42 students participated in the event and presented their report.
2. Organized a club activity, 'Prototype development of Electrical Power Generation' on 9th December 2023. The judge was Mr. Nanda Kishore L, Senior Engineer, Solar at DNV MES India Pvt Ltd, Bangalore. 80 students participated and learnt about electrical power generation.

Department of Information Science & Engineering/Data Science:

1. Organized the E-Ikon club activity in the title of "ANVEDANA " on 26th August 2023. Mr. Karthiban Pandian Team Leader, Delivery Transformation, PWC (Price Waterhouse Coopers), Bangalore, was the Resource Person.
2. Organized Eikon Club student activity on 25th November 2023. The judge was Mr. Prabhu Barrow Selvaraj, Technical Solution Consultant, Hewlett Packard Enterprise.
3. A club activity on "Skill Development" was organized by Eikon club on 10th February 2024 and the resource speaker was Mr. Tejas Rana, Technical Manager, HCL Tech Bengaluru.

Department of Mechanical Engineering:

1. Organized a DYNAMECH club activity on "Product Design" on 24th January 2024, the resource person was Prakash Vinod, Joint Director, Centre for Smart Manufacturing Precision Machine Tools & Aggregates (C-SMPM), CMTI, Bangalore.
2. Organized a DYNAMECH club activity on "3D Modelling" on 23rd February 2024, the resource person was Bharath P, Scientist C, CMTI, Bangalore.

Department of Mathematics:

1. Organized the MATLITE club activity, 'Math Mastery' on 27th November 2023. The judge was Dr. Krushna Chandra, Principal scientist, CSIR 4Pi, Bangalore.
2. Organized a MATLITE club activity on "Calculation using calculator" on 19th February 2024, the resource person was Dr. Kantha Rao Bhimala, Senior scientist, CSIR 4Pi, Bangalore.
3. Organized a Club activity "Speak Math" on 29th May 2024, the resource person was Dr. G D Veerappa Gowda, TIFR CAM.

4. Organized a Club activity "Math Mapping Treasure" on 29th June 2024, the resource person was Dr. G N Mohapatra, Senior scientist, CSIR 4Pi.

Department of Physics:

1. Organized the MATLITE club activity, "Physics Concept Photography and Painting" on 23rd November 2023. The judge was Dr. S. Kasthuriengan, Professor, Centre for Cryogenic Technology, IISc., Bengaluru.
2. Organized a club activity on "Physics puzzle competition" on 20th May 2024, the resource person for the event Dr. Amit Nain, Assistant Professor, IISc., Bangalore.

Department of Chemistry:

1. organized Chemlife club activity, 'Just a minute on science topics (extempore)'. The chief guest was Dr. Dinesh Rangappa, Professor, Department of Applied Sciences (Nanotechnology) Center for PG studies, VTU Bengaluru.
2. Organized a Poster presentation on **E-Waste management**, on 23rd March 2024. Dr.S.T. Aruna, Senior Principal Scientist, NAL, Bangalore was the Chief Guest.
3. Organized a club activity "Chemistry Puzzle, Chem Trivia" on 28th June 2024, the resource person for the event was Dr. Muthulakshmi R.T.S Professor, Department of Chemistry, Azim Premji University
4. Organized a club activity, 'Experimenting with Chem Draw'. The resource person was Mr. G.S. Manjunatha, Deputy environmental officer, Central Pollution Control Board regional office Bangalore.

Department of Management Studies

1. Organized a Marketing Club Activity - "New Product Launch" on 22nd September 2023. The Resource person was Dr. Ahila Krishnamurthy, Managing Director of DARAMIC.
2. Conducted "Best Manager" - HR Club Activity on 27th Jan 2024. Mr. Paul David Vimal HR- Head – Red Apple Kitchen Consultancy was the Chief Guest.
3. Conducted Marketing Club Activity on 10th February 2024. Ms. Kavitha Parthasarathy- Group Head – Operations, BioQuest Global Solutions Pvt Ltd was the Chief Guest.

FDPs organized:

Department of Chemical Engineering:

1. Organized an FDP in collaboration with Department of Civil and Mechanical Engineering on 'Fostering Effective Communication, Leadership, and Innovation In Technical Education' from 23rd November to 25th November 2023. The resource persons were Dr. Sundaresha S D, Consultant, Trainer, Project Advisor VQMI, Mr. Mruthyunjaya G P, Former Chief Manager of Management services and IT and Mr. P.S Sathish, Corporate Trainer, Mentor, and guiding Professional.

Department of Civil Engineering:

1. Organized a three-day Faculty Development Course along with the department of Chemistry on 'Scientific foundation of Health, Indian Constitution of India and Biology for Engineers' from 7th September 2023 to 9th September 2023. Dr H G Nagendra, HOD of Biotechnology, Sir M VIT, Bangalore, Dr Geeta Komar, MBBS, MD(OBG), Kinder Women's Hospital and Fertility Centre Bangalore, Mrs Amrita Anand LL.M, LLB, Professor in Law, visiting faculty in Cambridge Institute of Technology, Bengaluru are the resource persons. The speakers have highlighted about the importance and the teaching methodologies of the subjects such as Biology for Engineers, Scientific Foundation of Health and Constitution of India. Faculty members from different departments attended the session and enriched their knowledge.
2. A two-day Faculty Development Program (FDP) on "**Smart Materials and Advanced Construction Practices in Civil Engineering**" was conducted on 23rd and 24th February 2024. The resource Persons for the event were Mr. Nagesh Puttaswamy, Independent Civil Engineering Professional Bengaluru, Karnataka, India, Mr. H T Jagadeesh, Founder Chairman, BSD Structural Consultants, Bangalore, Mr. Subrahmanya Gudge, Chief Engineer, BMRCL, Bangalore.

Department of Computer Science & Engineering/Artificial Intelligence & Machine

Learning/Computer Science & Design:

1. Department of Computer Science and Engineering jointly with Information Science and Engineering had organized a one-day FDP on 'Networks and Recent trends in Optimizations techniques on Cloud', and the speaker was Mr. Kalmesh Joshi, Principal Advisor, EBTS-Cybersecurity, Mindtree.
2. Organized FDP in collaboration with Department of Information of Science and Engineering on "Cloud Native Applications and AWS" on 2nd December 2023 and resource person was Mr. Muralivelgeti, Ivantis Technologies.

Department of Electronics & Communication/Industrial IoT:

1. Organised an AICTE-ATAL Sponsored FDP on ‘Exploring the Technological trends in Machine Learning and Artificial Intelligence - Need of the Hour’ from 9th October 2023 to 14th October 2023.
2. Organised an AICTE-ATAL Sponsored FDP on ‘Recent developments in high-speed semiconductor devices and next-generation flexible and transparent devices: Changing the semiconductor world’ from 16th October 2023 to 21st October 2023.

Department of Information Science & Engineering/Data Science:

1. Organized one day Faculty development Program on ‘Networks & Recent Trends in optimizations techniques for engineering problems on Cloud’ along with the department of CSE on 19th August 2023. Mr Kalmesh Joshi, Principal Advisor – EBTS Cyber Security, Cloud, IT Operations, Mindtree was the resource person for the FDP.

Paper Publication by Faculty (UGC Journals)

Central Library:

1. Dr. Sridhara, R N., Ms. Swapna, A. ‘Open-source technologies for visually challenged Library Patrons’, International Journal of Creative Research Thoughts, vol 11, Issue 12, December, 2023, p578-p582, ISSN -2320-2882. -UGC approved Journal No-490223(18).

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

1. Ms. Navya V K Assistant Professor, CSE has published a paper entitled “AI based Virtual Mouse with hand gesture and AI Voice Assistant using Computer vision and Neural Networks”, in IJRASET, Volume 11, Issue VIII, August 2023.

Department of Electronics & Communication/Industrial IoT:

1. **Joy, A., Anitta, D.,** Ramaraj, K., & **Thilagaraj, M.** (2023, August). Smart Drug Delivering System in Hospitals Using RFID. In 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA) (pp. 1645-1649). IEEE.
2. Ramani, U., **Thilagaraj, M.,** Vadivelan, T., Manikandan, P., & Ranjith, G. (2023, August). RFID Based Real-Time Battery Monitoring System for Electric Vehicle Charging in 2023 5th International Conference on Inventive Research in Computing Applications (ICIRCA) (pp. 1574-1577). IEEE.

Department of Information Science & Engineering/Data Science

1. Prof.Hetal Rana, et.al on "Predictive Maintenance System for Industrial Machinery", TIJER: International Research Journal, Volume 11, Issue 4, id: TIJER2404259, ISSN: 2349-9249, April 2024
2. Prof.Hetal Rana, et.al "Slow Eye Blink Detection for Motor Neuron Impaired" in 7th National Conference on "Emerging Trends in Engineering, Science and Technology"(NCETEST-7), sponsored by IETE held on 30th April 2024
3. Prof.Hetal Rana, et.al on "Formation of Data Science and Fundamentals", TIJER: International Research Journal, Volume 11, Issue 4, id: TIJER2404247, ISSN: 2349-9249, April 2024
4. Prof.Hetal Rana, et.al "Data Science techniques Tools and Predictions" in 7th National Conference on "Emerging Trends in Engineering, Science and Technology"(NCETEST-7), sponsored by IETE held on 30th April 2024
5. Prof.Hetal Rana, et.al "Prioritizing Inventory Management: Analytical Network Process for multi criteria decision making." Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.
6. Prof.Hetal Rana, et.al "Image Processing- Based Online Intelligent Voting System." Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.
7. Prof.Hetal Rana, et.al "Resume Analysis for personality Assessment." Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.
8. Prof.Hetal Rana, et.al on "Privacy Preserving Data Analysis - A survey", International Journal of Creative Research Thoughts, Vol 12 Issued on 5th May 2024, ISSN: 2320-2882, UGC approval no: 49023
9. Prof.Hetal Rana, Et.al on " A review on Data Science Technologies" in International Journal of Research Publication and Reviews, Volume 5, Issue 5, SRno:116634-2, ISSN:2582-7421 issued on 15th May 2024
10. Dr Jasna S B, et.al on "Predictive Maintenance System for Industrial Machinery", TIJER: International Research Journal, Volume 11, Issue 4, id: TIJER2404259, ISSN: 2349-9249, Issued in April 2024
11. Dr Jasna S B, et.al "Image Processing- Based Online Intelligent Voting System." Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.

12. Dr. Jasna S. B, et.al “Resume Analysis for personality Assessment.” Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.
13. Dr Jasna S B, et.al “Prioritizing Inventory Management: Analytical Network Process for multi criteria decision making.” Volume 12 Issue 5 in IJARESM: International Journal of All Research Education & Scientific Methods on 28th May 2024.
14. Dr Jasna S B, et.al on "Formation of Data Science and Fundamentals", TIJER: International Research Journal, Volume 11, Issue 4 , id: TIJER2404247, ISSN: 2349-9249, Issued in April 2024
15. Dr Jasna S B, et.al on " Virtual reality and Augmentation in new era ", in ICICICT 2024, IEEE conference and got the best paper award. It is published in IEEE explorer in the month of March 2024
16. Dr Jasna S B, et.al “Data Science techniques Tools and Predictions” in 7th National Conference on "Emerging Trends in Engineering, Science and Technology"(NCETEST-7), sponsored by IETE held on 30th April 2024
17. Jaya Chandwani, *et. al.* "Security-aware analytical framework: A mathematical model and machine learning for dynamical system control in secure environments”, Journal of Discrete Mathematical Sciences and Cryptography, vol. 27(2-B), pp. 715-727, 2024. (ESCI Q3 Journal)
18. Prof.Venkatesh G ,et.al “ Cyberbullying Detection on Social Media using Machine Learning” in International journal of all research education & scientific methods(IJARESM) volume 12 issue 4, April-2024.
19. Prof.Venkatesh G ,et.al “Digital Forensic evidence management system using improved block chain” in International research journal of engineering and technology (IRJET) volume 11 issue 4, April-2024.
20. Prof.Venkatesh G ,et.al “Securing Today, Innovating Tomorrow: Hybrid Defense” in international journal of scientific research and engineering trends (IJSRET) volume 10 issue 2, April-2024.
21. Prof.Venkatesh G ,et.al “META-GANs for progressive image processing ” in international journal of all research education & scientific methods (IJARESM) volume 12 issue 4, May -2024.
22. Prof.Kavitha C S, et.al ”E-Voting system using Block Chain Technology and Semi Homomorphic Encryption” in the International Journal of search publications and reviews, volume 5 issue 4, April-2024

23. Prof.Kavitha C S,et.al” Kidney segmentation and tumour identification using CNN”
IJARESM volume 12 issue 5, May -2024.

Department of Mechanical Engineering:

1. Anand, Praveena Bindiganavile, **Santhosh Nagaraja**, Nagendra Jayaram, Shashank Paidi Sreenivasa, Naif Almakayeel, T. M. Yunus Khan, Raman Kumar, Raman Kumar, and Muhammad Imam Ammarullah. 2023. "Kenaf Fiber and Hemp Fiber Multi-Walled Carbon Nanotube Filler-Reinforced Epoxy-Based Hybrid Composites for Biomedical Applications: Morphological and Mechanical Characterization" Journal of Composites Science 7, no. 8: 324. Published: 7 August 2023 <https://doi.org/10.3390/jcs7080324>
2. Sachinkumar Patil, M. Nagamadhu, S.H. Prashanth, **N. Santosh**, A survey on friction stir welded aluminum composites and their microstructure, hardness, and tensile properties, Materials Today: Proceedings, 2023, 10 August 2023. ISSN 2214-7853, <https://doi.org/10.1016/j.matpr.2023.07.335>
(<https://www.sciencedirect.com/science/article/pii/S2214785323042050>)
3. Niranjan Hugar , Venkata Narayana B , Sunil Waddar , Manjunath K , **Mohan Kumar K , Santosh N**, TiO₂ Particles Influence on the Wear Conduct of an Aluminium AA6061/Red Mud Hybrid Composite, ESP-JETA ESP Journal of Engineering & Technology Advancements, Volume 4, Issue 1, January 2024, Page No: 17-31, ISSN: 2583-2646, Doi: 10.56472/25832646/JETA-V4I1P102

Department of Management Studies:

1. Dr. B. Sankar Naik, Dr. R. Purushotham Naik, and Dr. M. Reddi Naik, ‘A Realistic Study on Socio-Economic and Cultural Condition of Scheduled Tribes at Selected Districts of Andhra Pradesh’, International Journal of Research And Analytical Reviews (IJRAR), February 2023, Volume 10, Issue 1, pp. 180-190 (E-ISSN 2348-1269, P- ISSN 2349-5138)

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

Department of Aeronautical and Aerospace Engineering:

1. T.R. Rajesh, B. Venkatanarayan, **S.K. Vutukuru** and B. Prabhakar Kammar, ‘Microstructure analysis and Hardness of Al C355.0 with step varying weight of

Hematite particulate reinforcement', Agronomy Research 21(X), 2023, Published on 16th October 2023.

2. **Vijaya Kumar R**, "Experimental Investigation of Al6063 Alloy with Zirconium Silicate Composite" Journal of Institution of engineers (India) Series D. 29 Jan 2024, DOI-<https://doi.org/10.1007/s40033-024-00643-6> (Q2 Journal)

Department of Chemical Engineering:

1. "Harnessing the potential of Aegle marmelos pulp extract for sustainable corrosion inhibition of brass in 1M H₂SO₄: insights from characterization and optimization", Bandela Sowjanya, Supriya Vykuntam, A Ajay Raj, Akhil Arava, Pulipati King, Meena Vangalapati, Venkata Ratnam Myneni Biomass Conv. Bioref. (2023). <https://doi.org/10.1007/s13399-023-04740-6> Scopus Q3, SCIE, IF 4.1
2. "Adsorption of methylene blue dye by animal dung biomass-derived activated carbon: optimization, isotherms and kinetic studies", Senthilkumar Kandasamy, Neeraja Madhusoodanan, Prathap Senthilkumar, Vasant Muneeswaran, Naveenkumar Manickam, Venkata Ratnam
3. K Satya, H.JayaLakshmi, S.Narasimha Reddy, **M.Venkata Ratnam**, Din Bandu, 'Effective removal of Congo red dye using adsorbent prepared from bio-waste: isotherm, kinetic, and thermodynamic studies. Biomass Conversion and Biorefinery', <https://doi.org/10.1007/s13399-023-05213-6>, Scopus Q3, SCIE, IF 4.1 Published on 18th December 2023.
4. Senthilkumar Kandasamy, Jayabharathi Jayabalan, Naveenkumar Manickam, Balaji Dhandapani, **Venkata Ratnam** Myneni "Developments, challenges, and future perspectives in renewable bioenergy production using microalgae" Microbial Biomass for Bioenergy Applications, Elsevier Publications, ISBN: 978-0-443-13927-7, 2023 Book Chapter.
5. Tadele Bekele, Zemene Worku, Abu Duguma, **Venkata Ratnam Myneni**, Activated Sodium Bentonite as an Adsorbent for Efficient Removal of Chromium (VI): Stastical Optimization using Box-Behnken Design, Environmental Quality Management, (00), 1–15. Scopus Q3, ESCI, IF 1.56. <https://onlinelibrary.wiley.com/doi/10.1002/tqem.22168>
6. C. Yogin Soodesh, **Anil Kumar Seriyala**, Navjot, P. Chattopadhyay, N. Rozhkova, B. Michalkiewicz, S. Chatterjee, B. Roy, Carbonaceous catalysts (biochar and activated carbon) from agricultural residues and their application in production of biodiesel: A review, Chemical Engineering Research and Design, Volume 203, 2024, Pages 759-788. Scopus Q2, SCIE, IF4. <https://doi.org/10.1016/j.cherd.2024.02.002>.

7. Bandela Sowjanya, Pulipati King, Meena Vangalapati, Venkata Ratnam Myneni, “Green synthesis of zinc oxide nanoparticles from Allium cepa skin: photocatalytic degradation and antibacterial properties”. Chemical Papers, <https://doi.org/10.1007/s11696-024-034596>, **Scopus Q2**, SCIE, IF 2.2, Published on 23rd April 2024.

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

1. Kiran Babu T S and Paras Nath Singh “Recognition of scanned handwritten digits using deep learning” 2023 December, IEEE 3rd Mysore Sub Section International Conference (Mysuru Con) Vol 3, pp. 244-250, 2023, ISBN 979-8-3503-4035.
2. Mrs Poshitha M, “Weighted Fuzzy C Means: A Novel Tumor Segmentation Approach in MR Brain Images” IEEE Explore, pp. 574-581, Scopus Indexing, DOI Number10.1109/ICACRS58579.2023.10404219, <https://ieeexplore.ieee.org/abstract/document/10404219>
3. B.Sivasakthi “Intensification in IORT on Diverse” IEEE Explore 2023 International Conference in ICRASET. <https://ieeexplore.ieee.org/document/10420283>
4. Ms.B.Sivasakthi Book on “CYBER SECURITY” Sunstar Publisher As Per NEP Model Curriculum of 2021-22 https://www.amazon.in/dp/B0CTXLQRG8?ref=ppx_pop_mob_ap_share

Department of Civil Engineering

1. R.K. Preethi, B.V. Venkatarama Reddy, “Characteristics of geopolymer stabilised compressed earth bricks”, Structures, Volume 61, 2024, 106007, ISSN 2352-0124, <https://doi.org/10.1016/j.istruc.2024.106007>.

Department of Electronics & Communication/Industrial IoT:

1. Ajith.A.S, Reddy, P. A. Enhancing Vlsi Verification: Investigating APB and AHB Lite Protocols for Efficient IC Communication, Journal of Tianjin University Science and Technology, Vol: 56 Issue: 08: 2023, DOI10.17605/OSF.IO/QSD2V - SCOPUS -Q2
2. Ajith, A.S, Design of 5G MIMO Aerial With Non-Ionizing Radiation Protection, Journal of Tianjin University Science and Technology, Vol: 56 Issue: 07: 2023, DOI:10.17605/OSF.IO/2U83M - SCOPUS -Q2

3. Sheher Banu. S, Arun Francis. G, Sathya. R, Kottaimalai Ramaraj, Thilagaraj. M and Sundar. M, "Smart Highway for Riders to Forecast Weather and Accidents," 2023 International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS), Erode, India, 2023, pp. 840-846, doi: 10.1109/ICSSAS57918.2023.10331726.
4. Gayathri, S., Thilagaraj, M., Kothai, R., Indirapriyadharshini, J., & Sivaranjani, T., 'Next-generation digital healthcare cloud folder for patients', AIP Conference Proceedings (Vol. 2914, No. 1). AIP Publishing, December 2023.
5. A.S.Ajith, 'Side Lobe Suppression and Low Papr In Pulse Compression Radar Using Gaussian Filter Based Costas Coding', Journal of Tianjin University Science and Technology, Vol 56 (10), pp. 63-93, 2023, DOI:10.5281/zenodo.8433576
6. Shima Ramesh Maniyath, S. R., & Leena, K., Rural built-up area extraction from satellite images using deep neural network, in AIP Conference Proceedings (Vol. 2914, No. 1). AIP Publishing, December 2023.
7. Jayadevan, N. M., Thilagaraj, M., & Ramaraj, K., 'Improvement of the Effective Bandwidth of Multistage Amplifier by Cascading the Individual Two Stage Feedback Amplifiers', International Conference on Self Sustainable Artificial Intelligence Systems (ICSSAS) (pp. 1714-1718). IEEE, December 2023.
8. M. Eugene Prince, P.Josephine Shermila, Sajithra Varun S, 'An Optimized Deep Learning Algorithm for Cyber-Attack Detection' in Intelligent Data Engineering and Analytics, Springer, pp 465–472, November 2023.
9. Hotur, V. P., Francis, G. A., Jayadevan, N. M., Ramaraj, K., & Thilagaraj, M. (2023, December). Bluetooth Enabled Microcontroller-based Stimulator for Assessing the Electrical Activity of Muscles. In 2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS) (pp. 120-125). IEEE.
10. Poshitha, M., Ramaraj, K., Dilipkumar, S., Meena, R. D., Ambika, B., & Thilagaraj, M. (2023, December). Weighted Fuzzy C Means: A Novel Tumor Segmentation Approach in MR Brain Images. In 2023 2nd International Conference on Automation, Computing and Renewable Systems (ICACRS) (pp. 574-581). IEEE.
11. Thilagaraj, M., Sathya, R., & Kottaimalai, R. (2023, December). An Improved Gain S-Band Edge Fed Rectangular Patch Antenna for Weather Radar Applications. In 2023 International Conference on Energy, Materials and Communication Engineering (ICEMCE) (pp. 1-7). IEEE.
12. Thilagaraj, M., Arul Murugan, C., & Kottaimalai, R. (2023, September). Efficient PAPR Reduction Techniques and Performance of DWT-OFDM. In Congress on Intelligent Systems (pp. 451-461). Singapore: Springer Nature Singapore.

13. T Sivashankari; M Pallikonda Rajasekaran; Kottaimalai Ramaraj; T Arunprasath; Muthangi kantha Reddy., & Thilagaraj, M. (2024, March). A Three-Tier Architecture Framework with Blockchain Integration to Improve the Security in Healthcare Applications In 2024 International Conference on Energy, Materials and Communication Engineering-2023 (ICEMCE-2023) (pp. 504-508). IEEE.
14. Thilagaraj, M., Raghavendra, S. I., Sandeep, J., Shetty, S. S., Kumar, S. S., & Ramaraj, K. (2023, November). Smart Ration Material Distribution Using RFID and Biometric Authentication. In 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) (pp. 32-36). IEEE.
15. Thilagaraj, M., Dhanush, S. P., Ramaraj, K., Mamani, C., & Patil, A. (2023, November). IoT-enabled Smart Aquarium for the betterment of Aquatic living beings. In 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) (pp. 148-152). IEEE.
16. Banu, S., Vaibhav, V., Venugopal, L., & Rangaswamy, P. R. (2023, November). Iot Based School Bus Monitoring System. In 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) (pp. 67-70). IEEE.
17. Hiremath, S., Das, M., Sagar, S. R., & Banu, S. (2023, November). An Architecture for IoT Server Using Firebase RTDB for Various IoT Projects. In 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) (pp. 179-184). IEEE.
18. Jeeva, B., Salim, M., Kumar, C. N., Junaid, M., & Hiremath, S. (2023, November). Real Time Patient Robot to Aid Chronic Diseased People in the Health Care Industry. In 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) (pp. 229-231). IEEE.
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Department of Electrical & Electronics Engineering:

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2. Dr. Soumya Mishra, Dr. P Harish Kumar, Dr. R Rajarajan and Prof. Renjini E Nambiar, ‘A New Time Domain Multi Operative Objective Function Approach for Load Frequency Control Using Cuckoo Search Optimization Algorithm’, Bulletin of Electrical Engineering and Informatics, December 2023.
3. **Shima Ramesh Maniyath**, Asisa Kumar Panigrahy, MithileyshSathiyarayanan, Mohan Dholvan, T. Ramaswamy, SudheerHanumanthakari, N. Arun Vignesh, S. Kanithan and Raghunandan Swain with a paper titled “A Faster and Robust Artificial Neural Network Based Image Encryption Technique with Improved SSIM”, IEEE Access, Scopus and SCI, **Q2 index Published On 12th January 2024.**
4. **Pujari Harish Kumar**,R Reshma Gopi, **R Rajarajan**, **N B Vaishali**, K Vasavi c, Sunil Kumar Pwith a paper titled “Prefeasibility techno-economic analysis of hybrid renewable energy system”, ELSEVIER e-Prime - Advances in Electrical Engineering, Electronics and Energy, Scopus **Q3 index Published On 20th January 2024.**
5. Renjini E Nambiar; Chandana R; Sanjana B; Jyoti S Patgar; Chand Pasha; Mohammed Sahban Anzar (16 July 2024), Design and Fabrication of Retrofit E-Bicycle published in 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) in IEEE Xplore.
6. Bini Babu; Pruthvi S Raju; R K Vignesh; G D Sushma; A Vinay (16 July 2024), Design and Implementation of Peltier Based Mobile Solar Vaccine Refrigerator published in 2023 7th International Conference on Design Innovation for 3 Cs Compute Communicate Control (ICDI3C) in IEEE Xplore.
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1. Gayathri T. and Sundeep Kumar K, ;A Deep Learning Based Effective Model for Brain Tumor Segmentation and Classification Using MRI Images’, Journal of Advances in Information Technology, Vol. 14, No. 6, 2023.
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2. J. Nagendra, M. K. Srinath, G. Shaikshavali, C. Labesh Kumar, Din Bandhu, Praveena Bindiganavile Anand, **Santhosh Nagaraja**, Ashish Saxena, Evaluation of surface roughness of novel Al-based MMCs using Box-Cox transformation, International Journal on Interactive Design and Manufacturing (IJIDeM) , Volume 17, 2023:15. Published on 25 October 2023, ISSN : 1955-2513, e-ISSN: 1955-2505, 5 Year Impact Factor: 2.2. <https://doi.org/10.1007/s12008-023-01561-9>
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Department of Physics:

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3. Sathish. S, Book Chapter: Book entitled “Graphene-based Carbocatalysts: Synthesis, Properties and Applications” Bentham Science Publishers, Chapter 2: Electrocatalysis by Graphene Materials, 2023, Vol. 2, pp.50-80,ISBN:978-981-5136-05-0,
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5. Dr.Sathish.S., A comparative study on biosynthesized silver nanoparticles from *H. undatus* fruit peel and their therapeutic application, Volume 19, article number 49, (2024), Discover Nano, Scopus Indexed. (Formerly Nanoscale Research Letters - 2022 - Impact Factor: 6.5).
6. Bharath. D, Organometallic dichloro bis l-Valine Zinc (II) nonlinear optical crystal growth, nucleation investigations and characterization (DCBVZ), Journal of materials science –Materials in electronics-Springer –2024 – 5th MAY-Scopus indexed (Q1)
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Department of Chemistry:

1. Suresh Poyil Subramanyam, Dilip Kumar Kotikula, **Basavaraju Bennehalli**, Atul Babbar, Sagr Alamri, Alaauldeen A Duhduh, Ali A Rajhi, Raman Kumar, Ketan Kotecha , “Plain-Woven Areca Sheath Fiber-Reinforced Epoxy Composites: The Influence of the Fiber Fraction on Physical and Mechanical Features and Responses of the Tribo System and Machine Learning Modeling”: *ACS Omega* **2024, 9, 7, 8019–8036; 5th February 2024;**<https://doi.org/10.1021/acsomega.3c08164> (Q1)
2. **P Magesan**, KI Dhanalekshmi, K Jayamoorthy ,”Improved Photocatalytic Performance of Chitosan Blended-Al₂O₃-TiO₂ and Garlic Loaded-Al₂O₃-TiO₂ Hybrid Nanocomposites”, Chemical Physics Impact 8 (2024) 100535, Published on 13th February 2024 (Q3)

Book Publication:

Department of Electronics & Communication/Industrial IoT:

1. **Biswaranjan Barik** - Threshold Based Multiuser Switched Diversity Scheduling Schemes (ASIN: B0CH253PDC, Publisher: LAP LAMBERT Academic Publishing (August 9, 2023), ISBN-10: 620675569X, ISBN-13: 978-6206755692.

Department of Electrical & Electronics Engineering:

1. Dr. Soumya Mishra published a book titled ‘Advanced Electric Drive Vehicles’, RK Publishers, August 2023. ISBN: 978-8119489374.

No. of Proposals submitted:

Sl.No.	Dept.	Faculty Name	Title	Agency	Date of Submission	Amount in Rs.	Status
1	ECE	Dr.A.S.Ajith & Dr.I.Hameem Shanavas	“Beyond the Stars:Unveiling Cosmos with AI/ML and Robotics in Space Exploration	AICTE (ATAL FDP)	07.08.23	3,50,000	under process
2	ECE	Dr.M.Thilagaraj & Dr.Biswaranjan Barik	Exploring the Technological trends in Machine Learning and Artificial Intelligence-Need of the Hour	AICTE (ATAL FDP)	15.08.23	3,50,000	Under Process
3	ECE	Dr.Ramashan Kariyadan &Dr.M.Brindha	Recent developments in high-speed semiconductor devices and next-generation flexible and transparent devices: Changing the semiconductor world	AICTE (ATAL FDP)	15.08.23	3,50,000	Under Process
4	EEE	Dr. Soumya Mishra	Electrifying the Future: Exploring the recent advances in Electric Vehicles and Energy Storage Systems	ATAL Academy	16-08-2023		Under Review
5	ECE and Physics	Dr AjithA S Dr.Sathish S	Photocatalytic Air Purification	SERB	29-11-2023	22,02,000	Submitted

			system with IOT Integration				
6	Chemical	Dr Nikita / Dr Venkat Ratnam	Exploring the bioremediation potential of a tailored microbial consortium for emerging pharmaceutical contaminant degradation	SERB SURE	12-12-2023	29,20,321	Submitted
7	Civil	Dr. Kasi Rekha & Mr. Karthik S	Investigations on Mechanical Properties of Rubbercrete as a Partial Replacement to Coarse and Fine Aggregate	SERB	04-12-2023	21,90,000	Submitted
8	Civil	Dr. Preethi RK & Ms. Nisha M	Investigations on Masonry Panels Constructed using Geopolymer Stabilized Compressed Bricks using C & D waste	SERB	30-11-2023	21,84,000	Submitted
9	Mechanical & Physics	Dr. Santhosh N & Dr.Sathish S	Development of Flexible Thin Film for Real Time Sensor Applications.	SERB SURE	08-12-2023	29,77,000	Submitted
10	Mechanical & Chemistry	Dr. Mohan Kumar K & Dr. Basavaraju B	Harnessing Areca sheath, an agricultural residue composites for ballistic application.	SERB SURE	15-12-2023	30,00,000	submitted
11	AE	Dr.L.Arulmani	Exploring the impact of friction stir processing on Al alloy for Aerospace application	SERB-SURE	29-11-2023	15,30,000	Submitted

12	AS	Dr.Shravan K	IOT based Bio mimetic robotic fish for air water surveillance and dead reckoning	SERB-SURE	14-12-2023	22,93,000	Submitted
13	EEE	Dr.M. Elenchezhiyan	Design and Development of Highly Efficient Single Stage Grid Tied Inverter for Photovoltaic System	SERB	29-11-2023	17,39,000	submitted
14	EEE	Dr.M. Elenchezhiyan	Drone condition monitoring using Machine Learning	SERB	11-12-2023	26,12,000	submitted
15	Physics	Dr.Debalina B	Mechanical properties of e-waste derived carbon nano material reinforced silicon carbide composites for automotive brake application	SERB-SURE	02-11-2023	25,30,000	Submitted
16	ECE	Dr.A.S.Ajith	Photocatalytic Air Purification System with IoT Integration	SERB SURE Grant	30.01.24	Rs.4.34 Crores	Submitted
17	EEE	Dr. Shima Ramesh	1.Two days' workshop on "Crafting, Developing, and Implementing Real-Time Control Algorithms for Electrical Systems with LabVIEW Expertise 2. "Revolutionizing Mobility: A 3-Day	1.SERB 2.CSIR	16.02.24 25.03.24	Rs.23,000/- Rs.60,000/-	Under Review

			Faculty Development Program on Cutting-Edge Energy Storage Technologies for Electric Vehicle Systems”				
18	CHY	Dr.Swetha Dr.Preethi	Ursolic acid as modulator of signalling Cervical cancer; a step towards Surakshith Naari Abiyaan	SERB POWER	29.01.24	30 lakhs	Under review

19	EEE	Dr. Rene Dev D and Dr. V R Rajan	Implementation of Fast Chargers on Electric Vehicle and their impacts on power quality	VGST	21 st June 2024	INR 30 lakhs	Submitted
20	EEE	Prof. Renukamba J N and Prof. Gayathri R	Computer Vision Based Automatic Medical Waste Segregation System using Machine Learning	VGST	21 st June 2024	INR 3,83,700 /-	Submitted
21	EEE	Dr. Shima Ramesh Maniyath and Dr. M. Elenchezhiyan	Enhancing Battery management System – Fortifying the Infrastructure for Electric Vehicles	VGST	21 st June 2024	INR 20 Lakhs	Submitted
22	CV	Dr. Manu DS and Prof.	Design and Development of an	VGST	21 st June 2024	15,00,000	Submitted

		Shashi Kumar	Integrated Household Grey Water Treatment System for Non-Potable Use				
23	CV	Dr. Preethi RK and Prof. Karthik	Investigations on masonry characteristics constructed using geopolymer stabilized bricks and mortar using industrial waste	VGST	21 st June 2024	21,00,000	Submitted
24	CV	Dr. Kasi Rekha and Prof. Sagar	FDP ON “Emerging Technologies in civil engineering”	VGST FDP	21 st June 2024	2,80,000	Submitted
25	ME	Dr. SANTHOSH N	Advances in Micro and Nano Fabrication Techniques for Biomedical and Precision Engineering Applications	VGST	21 st June 2024	3,50,000	Submitted
26	ME	Dr. RAJESH KUMAR P, Dr. SANTHOSH N	To create a test facility to perform dynamic analysis of helically wound cables	VGST KFIS T L1	21 st June 2024	20,00,000	Submitted
27	ME	Dr. ARUN KUMAR, Dr. CHANAKYAN C	Preparation of Composite Automobile Vibration Mounts from Chicken Feather	VGST GRE	21 st June 2024	40,00,000	Submitted
28	ISE	Dr.SHIMA RAMESH MANIYATH Dr.JASNA	"Innovations in Artificial Intelligence and Medical Image Processing	VGST -FDP	27 th June 2024	3,00,000	Submitted
29	ECE	Dr M.Thilagaraj & Dr Sajithra Varun	FDP on Unravelling the Importance of Research in Bio Engineering Innovation with Medical Expertise: Leading Solutions for Contemporary	VGST	21.06.2024	Rs 3 Lakhs	Under Review

			Health Care Challenge				
30	ECE	Dr.Nija & Dr Thilagaraj	Project “Investigating the Impact of Flavor on EEG Signals for Paralyzed Individuals”	VGST	21.06.2024	Rs 20 Lakhs	Under Review
31	ECE	Dr Rajesh Saha &Dr Namita	FDP on “Significance of VLSI Design for AI Chip Engineering”	VGST	21.06.2024	Rs 3 Lakhs	Under Review
32	ECE	Dr A S Ajith	Project “Photocatalytic AIR Purification System with IoT Integration”	VGST	21.06.2024	Rs 20 Lakhs	Under Review
33	ECE	Dr Manu & Dr Nija	FDP on “Machine Learning for Health Care”	VGST	21.06.2024	Rs 3 Lakhs	Under Review
34	ECE	Dr Manu & Dr Sajithra Varun	Project “ Speech Feature Analysis for Early Detection of Alzheimer’s Disease”	VGST	21.06.2024	Rs 20 Lakhs	Under Review
35	ECE	Dr Namita & Dr Rajesh Saha	FDP on “Advances in VLSI Design: Modern Applications and Future Direction”	VGST	21.06.2024	Rs 3 Lakhs	Under Review
36	ECE	Dr Rajesh Saha & Dr Namita	Project “Next-Generation SRAM cell: Power efficient and Radiation hardened Memory Solutions for Aerospace and Defense Applications”	VGST	21.06.2024	Rs 20 Lakhs	Under Review
37	ECE	Dr. Subhradip Mukherjee	Project “Robotic hand with computer vision for health care applications”	VGST	21.06.2024	Rs 1,40,000 /-	Under Review
38	ECE	Dr A S Ajith	BEL IoT Enable Automated Fertigation System	BeST-IISc.	19.04.2024	Rs 2,55,000 /-	Under Review

39	EC E	Dr Remashan Kariyadan & Dr Brindha M	Advanced FDP on "Recent advancements in GaN-based semiconductor devices for next- generation high- frequency and high-power applications such as 6G and e- vehicles: A technology in the spotlight"	ATA L FDP	30.05.2024	Rs 6,00,000 /-	Sanction ed (Rs 6 Lakhs)
40	CH Y	Dr. M. Prathap Kumar	Project Photocatalysts For Efficient Visible Light Reduction Of Heavy Metal In Water”	VGST	21.05.2024	Rs 3 Lakhs	Under Review
41	CH Y	Dr.Magesan	Project Fabrication Of Novel Hybrid Biomaterials Doped TiO2 Nanocomposite Films And Containers: A Sustainable Alternative For Active Food Packaging For Service Forces”	VGST	21.05.2024	Rs 3 Lakhs	Under Review
42	CH Y	Dr.Basavaraj u	Project Investigating Areca Sheath,” Innovative experimental use of agricultural residue in multilayered composite armor systems”	VGST	21.05.2024	Rs.20 Lakhs	Under review
43	CH Y	Dr.Swetha	Project Ursolic acid assisted sustainble cancertherapy empowering surakshith Naari abiyan through	VGST	28.05.2024	Rs.20 Lakhs	Under review

			phytochemical innovation				
44	CH Y	Dr. Budigi Lokesh	FDP on small molecules to smart materials	VGST	28.05.2024	Rs.3 lakh	Under review
45	CH Y	Dr.Preethi.G	FDP on Empowering Educators,” Life skill training and Counselling services”	VGST	06.06.2024	Rs.3 lakh	Under review
46	CH Y	Dr.Basavaraju	FDP on Cutting Edge light weight polymer composites: Application in Ballistics	VGST	06.06.2024	Rs.3 lakh	Under review
47	Physics	Dr. Sathish Sugumaran	A study on electrical and mechanical properties on flexible nanofibers for gas sensor applications	VGST	May 2024	Rs. 3,00,000	Under process
48	PHY	Dr.Daniel T	A study of photocatalytic performance of Novel ternary chalcogenide-polymer (Cu ₃ SbS ₃ /C ₄ H ₅ N) core shell Nanostructures.	VGST	May 2024	Rs 10 Lakhs	Under Review

No. of Patents filed:

Department of Aeronautical and Aerospace Engineering:

1. Dr. Vutukuru Shravan Koundinya, Title: Three-dimensional Article scanner, UK Design No: 6329513, UK Design Registration Grant date: 7th December 2023.

Department of Chemical Engineering:

1. Dr. Roopa Farshi, Dr. Ravishankar R, **Dr.M A Lourdu Antony Raj** Title: Dual Purpose Batch Reactor for Waste Plastic Pyrolysis Process, Application No: 202341080180 A, Published on 22nd December 2023

Department of Electronics & Communication/Industrial IoT:

1. Dr. Utsab Banerjee and Prof. L. David William Raj filed a Patent titled “Circularly polarized dielectric resonator antenna and method thereof”, Application date: 9th October 2023; Application number: 202341067534.

Department of Information Science & Engineering/Data Science:

1. Prof T Gayathri, has published a Patent titled “Predicting the removal of Malachite green by bismuth ferrite-based photocatalysts using deep learning methods” with application number 202341083928A on 5th Jan 2024

Department of Mechanical Engineering:

1. Dr. Santhosh N, Title: BE-COMPOSI, Published on 13th October 2023, with Application No. 202341059080 A.
2. Dr. Santhosh N filed a Patent titled “BANACOMPOSICLAD” with Application No. 202441023503 on 25th March 2024.

Department of Electrical & Electronics Engineering:

1. Dr. Soumya Mishra, Renjini E Nambiar have been granted an Indian design patent on ‘Design of Compact and Internet of Things Based Speedometer’, on 1st August 2023. Design No. 387196-001, Serial No. : 141514

Department of Chemistry:

1. Dr. Basavaraju.B, Title: Handy trilevel liquid container design. Filed on 25th November 2023. Application no:400698-001
2. Dr.M.Swetha , Title: Multi –Spectral imaging Catheter for cancer Detection –UK design patent granted on 22nd November2023
3. Dr.M.Swetha , Title: Invitro cytotoxicity studies on anti-cancer activity on gymnema slyvestrae, aegle marmeleous, cissus quadrangularis by using MCF7 &A549 cell lines.- Indian Patent got published on 22nd December 2023.

Student’s Competition:

Department of Aeronautical and Aerospace Engineering:

1. Sripriya K (1MJ19AE092), Vivek S M (1MJ19AE106), Prasanna R (1MJ19AE075), Sagarika S (1MJ19AS038), Divyanshu Chaubey (1MJ20AS012), Department of AE/AS won a **Second Prize** for presenting the project final round at National Aerospace

Conceptual Design Competitions 2023 (NACDeC'2023) on the topic of "Vertical take-off and landing autonomous air ambulance" Organized by Aeronautical Society of India, Design Division & Mumbai branch in association with ARTPARK and SAEINDIA on 12th August 2023. They were awarded a cash prize of Rs. 75,000.

Department of Chemical Engineering:

1. Bheemesh (1MJ20CH008), Bibin Joseph (1MJ20CH009), Shreyas H (1MJ20CH017) Won First Prize in Poster Presentation at SYLLOGIC 2024, 27th National level Symposium organized by the Department of Chemical Engineering, Kongu Engineering College, Erode, Tamil Nadu. (1st March-2nd March 2024).

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

1. Swati Laxman Sunagar and Bindu C Gowda 3th sem , Dept of CSE won **First prize** with a cash award of **25000/-** organized by IIM Bangalore.
2. Pradipta Kumar Jena, 5th sem , Dept of CSE won **First place** in Group singing organized by Jyoti Nivas College Autonomous.
3. The third year students Shivam Sharma and Sidharth Sreejil won 1st place in the "AWS Amplify Fullstack TypeScript Challenge" a global level Hackathon conducted by AWS Amplify on 29th May 2024. The team built an AI Powered Journal/Diary taking application using AWS Amplify. The cash prize was \$1500 USD.

Department of Electronics & Communication/Industrial IoT:

1. Allwin Joseph ,8th sem ,Dept of ECE won **First place** with a cash award of **Rs.30,000/- in ECU Design organized** by TATA HITACHI on Annual Technical Conference.

Department of Electrical & Electronics Engineering:

1. Yogesh G (1MJ19EE041), Likhitha R (1MJ19EE013), Kishore N (1MJ19EE012), Vinayak Sobard (1MJ20EE405) B.E students, Department of EEE won 'Best Project of the Year 2023-2023, and a cash prize of Rs.8500/- for presenting the project final round at State Level Exhibition organized by Karnataka State Council for Science and Technology (KSCST) on the topic of "Design and Hardware Implementation for Power Quality Improvement", held at Alva's Institute of Technology, Moodubidire on 11th and 12th August 2023. Faculty Mentor: Dr. Soumya Mishra, Prof. Gayathri R.

Department of Information Science & Engineering/Data Science:

1. 1MJ21IS038, **G T Priya** secured 1st place in Chiguru -Cambridge institute of Technology -Cultural Fest Indian Solo Dance.
2. 1MJ21IS038, **G T Priya** secured 2nd place in Chiguru -Cambridge institute of Technology -Cultural Fest Indian Duet Dance.

Department of Mechanical Engineering:

1. Thashwin P has taught Yoga to Foreign Delegates, from SPYSS, Under Department of Youth, Government of Karnataka on 21st June 2024. He received certificate of Appreciation.

Department of Management Studies:

1. Pramodh. T 1st Year MBA bearing the USN No: 1MJ22BA043 has participated in 77th Year Independence Day Club Tournament held on 12.08.2023 , 13-08.2023 & 14.08.2023. This was organised by KGF Cosmopolitan Club-KGF

Students' Paper Publications:**Department of Aeronautical and Aerospace Engineering:****National Conference**

1. **Neha K M (1MJ20AS021), Akash C N (1MJ20AS002), Sonal Sanjay Vernekar (1MJ20AS041), Punith Babu C (1MJ21AS400)** Oral presentation titled “Design of Webbed Robotic Arm for Debris Tracking and Collection” at 22nd National space science symposium 2024 held at Goa University during 26th February 2024 to 1st March 2024.
2. **Skandha Deva Athrey (1MJ20AS040), N Oscar Michel (1MJ20AS023), Daryl T H Aloysius (1MJ20AS009)** Poster presentation titled “Design n development of Helio gyro solar sails for sustainable space propulsion” at 22nd National space science symposium 2024 held at Goa University during 26th February 2024 to 1st March 2024.

Students' Certification Courses**Department of Aeronautical and Aerospace Engineering:**

1. Sahil Nirala has successfully completed the 30 days course in the title of “DRONE AND UNMANNED AERIAL VEHICLES” conducted by SKYLINE AEROSPACE by 07/08/2023.
2. Sahil Nirala has successfully completed the 5 Hours course in the title of “MATLAB Onramp” conducted by MATLAB by 23/08/2023.

3. Avishka Vishwas patil has successfully completed the 30 days course in the title of “Finite element analysis convergence and mesh independence” conducted by Coursera by 24/08/2023.
4. Sahil Nirala has successfully completed the 5 Hours course in the title of “Image Processing Onramp” conducted by MATLAB by 24/08/2023.
5. Sahil Nirala has successfully completed the 5 Hours course in the title of “Machine Learning onramp” conducted by MATLAB by 30/08/2023.
6. Sahil Nirala has successfully completed the 5 Hours course in the title of “Deep Learning Onramp” conducted by MATLAB by 31/08/2023.
7. N Hitesh has successfully completed the 1 week course in the title of “Simulink Onramp” conducted by MATLAB by 05/09/2023.
8. Preksha Krishnan [1MJ20AE052] (7th Semester AE) successfully completed the online NPTEL 12-Week course in the title of “Space Flight Mechanics” conducted by IIT, Kharagpur during July-October 2023.
9. Preksha Krishnan [1MJ20AE052] (7th Semester AE) successfully completed the online NPTEL 12-Week course in the title of “Aerodynamic Design of Axial Flow Compressors and Fans” conducted by IIT, Kharagpur during July-October 2023.
10. Preksha Krishnan [1MJ20AE052] (7th Semester AE) successfully completed the online NPTEL 12-Week course in the title of “Smart structures” conducted by IIT, Kharagpur during July-October 2023.
11. Kali Chathan [1MJ20AE030] (7th Semester AE) successfully completed the online NPTEL 12-Week course in the title of “Space Flight Mechanics” conducted by IIT, Kharagpur during July-October 2023.
12. Kali Chathan [1MJ20AE030] (7th Semester AE) successfully completed the online NPTEL 12-Week course in the title of “Sustainable power generation systems” conducted by IIT, Kharagpur during July-October 2023.
13. Nisarga Hosangadi [1MJ21AE047] (5th semester AE) successfully completed the course in the title of “Graphic design basics” conducted by Mind Luster during Nov-Dec 2023.
14. Sahil Nirala [1MJ20AS033] (7th Semester AS) successfully completed the online training in the title of “CATIA” conducted by Internshala training during Oct-Nov 2023.
15. Sahil Nirala [1MJ20AS033] (7th Semester AS) successfully completed the online course in the title of “Python Programming for beginners” conducted by Udemy during 4th Nov to 6th Nov 2023.

16. Neha A K [1MJ20AS020] (7th Semester AS) successfully completed the online NPTEL 12-Week course in the title of “Working capital management” conducted by IIT, Roorkee during July-October 2023.
17. Neha K M [1MJ20AS021] (7th Semester AS) successfully completed the free online course in the title of “Catia Basics” conducted by Great Learning during October 2023.
18. Neha K M [1MJ20AS021] (7th Semester AS) successfully completed the online NPTEL 12-Week course in the title of “Ecology and society” conducted by IIT, Guwahati during July-October 2023.
19. ANUSHA (1MJ20AS003) completed certification courses on Simulation using Ansys fluent English version conducted by Udemy on 18th February 2024 (36 hours).
20. PRAKRITI SHARMA (MJ20AS027) completed certification courses on Applied computational fluid dynamics conducted by COURSERA on 18th March (31 hours)

Department of Chemical Engineering:

2. Karthik, Final year received Certificate of Appreciation from NPTEL Believer in December 2023 for completing four courses, Hydrogen Energy: Production storage Transportation and safety, Aspen plus, MATLAB based programming and petroleum Technology within a semester (July to December 2023).
3. AMISHA BIJU (1MJ20CH002) achieved certificate for DWSIM training conducted by Spoken Tutorial Project, IIT Bombay. 19th Feb 2024
4. Devika K (1MJ20CH010) achieved certificate for DWSIM training conducted by Spoken Tutorial Project, IIT Bombay. 19th Feb 2024
5. J BENJAMIN TITUS (1MJ20CH011) achieved certificate for DWSIM training conducted by Spoken Tutorial Project, IIT Bombay. 19th Feb 2024
6. MR. KARTHIK (1MJ20CH012), achieved certificate for DWSIM training conducted by Spoken Tutorial Project, IIT Bombay. 19th Feb 2024
7. SANJEEV P (1MJ20CH016), achieved certificate for DWSIM training conducted by Spoken Tutorial Project, IIT Bombay. 19th Feb 2024

Department of Civil Engineering:

8. THARUN S (1MJ18CV016), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
9. SAHANA S (1MJ19CV039), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.

10. SANTOSH (1MJ19CV042), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
11. AJAY (1MJ20CV001), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
12. AKASH RAJ V (1MJ20CV002), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
13. APPLE LENNON DHANARAJ (1MJ20CV003), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
14. BHARATH V (1MJ20CV005), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
15. CHANDANA M (1MJ20CV006), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
16. CHITHRA A (1MJ20CV007), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
17. HARSHAVARDHAN (1MJ20CV008), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
18. HARSHITHA GOWDA C (1MJ20CV009), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
19. ISHA SHARMA (1MJ20CV010), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
20. LOKANATHA M A (1MJ20CV012), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
21. MOHAN G B (1MJ20CV014), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
22. P DEEPIKA (1MJ20CV015), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
23. ROSHANI BIRADAR (1MJ20CV016), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
24. VISHNESHWAR S M (1MJ20CV017), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
25. SACHIN (1MJ20CV018), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.

26. SAKSHI ASTURE (1MJ20CV019), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
27. SIBASANGVI IYER (1MJ20CV020), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
28. SUPREETH DH (1MJ20CV022), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
29. SUPRTHA GV (1MJ20CV023), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
30. VARUN KUMAR (1MJ20CV024), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
31. VIVEK REDDY R (1MJ20CV025), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
32. YESHWANTH GOWDA H K (1MJ20CV026), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
33. FAIZAN AHMAD MIR (1MJ21CV400), 8th Semester, CV has successfully completed the 12 weeks online NPTEL course in the title of “Construction Management”, in May 2024.
34. NAVED AHMED (1MJ21CV402), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
35. MONICA SHEKAR (1MJ21CV401), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
36. NAVYA D B (1MJ21CV403), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
37. SACHIN S (1MJ21CV404), 8th Semester, CV has successfully completed the 8 weeks online NPTEL course in the title of “Plastic waste management”, in May 2024.
38. VATHSALYA G L (1MJ21CV406), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.
39. THEJAN M(1MJ21CV405), 8th Semester, CV has successfully completed the online Udemy course in the title of “Quantity surveying, building estimation BBS with Excel and CAD”, in May 2024.

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

1. Akhilesh Sham Rathod has completed the certification course on Share Data through the Art of Visualization organized by Coursera in the month of August ,2023.
2. Harshavardhan has completed the certification course on Google Data Analytics organized by Coursera in the month of August ,2023.
3. Chaithanya K M has completed the certification course on Automate Cybersecurity Tasks with Python organized by Coursera in the month of September,2023.
4. H Pranav has completed the certification course on Agile Methodology Virtual Experience Program organized by Forage(Cognizant)in the month of August ,2023.
5. H Pranav has completed the certification course on Technical Consulting Virtual Internship organized by Forage(SAP)in the month of August ,2023.
6. H Pranav has completed the certification course on DataPlus organized by TCS Mastercraft in the month of August ,2023.
7. Vatsala Budur [1MJ22CS203]completed Python, Introduction to deep learning courses from 9th October 2023 to 17th November 2023 from Kaggle.
8. D Rithesh [1MJ21CS051] completed Artificial Intelligence course in the month of November 2023 from Plasmid Tech.
9. Divya Hanmant Mane [1MJ21CS058] successfully completed Artificial Intelligence course in the month of November 2023 from Plasmid Tech.
10. Chandhana G [1MJ21CS043] successfully completed Artificial Intelligence course in the month of November 2023 from Plasmid Tech.
11. G VEENA [1MJ21CS062] completed Data Science course in the month of November 2023 from Devtown.
12. Amrutha G M [1MJ21CS014] completed Java Development course in the month of November 2023 from Octanet.
13. Donna S Sebastian [1MJ21CS059] completed Artificial Intelligence course in the month of November 2023 from Plasmid Tech.
14. G S Govardhan [1MJ22CS406] completed Full stack web development course in the month of November 2023 from Take it smart.

Department of Electronics & Communication/Industrial IoT:

1. Ms. Sharmila S completed the Python for Beginners: Learn Python Programming Course by UDEMY, from 15th August to 25th August 2023.

2. Ms. Sharmila S completed the Python for Beginners: Learn Python Programming (Python 3) Course by Infosys, Spring Board from 1st September to 6th September 2023.
3. Ms. SONIA SARKAR completed the Business Analytics with Excel course by Skill up India, Simplilearn from 14th August to 22nd August 2023
4. Mr. Vishal Banasi completed the C programming Course by Infosys, Springboard from 1st September to 6th September 2023.
5. Ms. Sharmila S completed the Advance Communication Skill course by TCS ION from 27th August to 31st August 2023.
6. Mr. Vishal Banasi completed the Advance Communication Skill course by TCS ION from 28th August to 6th September 2023.
7. Nagarathna [1MJ21EC082] completed python programming course from 15th October to 15th November 2023 from oasis info byte, Bangalore.
8. Karunakar Manasa [1MJ21EC056] completed python programming course from 1st November to 15th December 2023 from matrix infotech, Bangalore.
9. Spoorthi K T[1MJ21EC144] completed python development course from 1st November to 1st December 2023 from matrix infotech, Bangalore.
10. Avinash M[1MJ20EC016] has completed basics of course from 1st September 2023 to 30th September 2023 from Infosys springboard, Bangalore.
11. Karunakar Manasa completed Programming in Python From 1st November to 15th December 2023 with A+ Grade.
12. Padmaruchi Bhupal completed a certification course on Python 3.4.3 on 4th January 2024.
13. Chethan C M completed a certification course on “Software testing”.
14. Maruthi H completed a course on “Data Science”.
15. Sandhyalaxmi Bhat completed a course on “Introduction to cyber security”.
16. Sandhyalaxmi Bhat completed a course on “Introduction to Artificial Intelligence”.
17. Mohammed Rehan completed course on Python.

Department of Electrical & Electronics Engineering:

1. Mallikarjun (1MJ21EE401) completed 12 Week online NPTEL course on “Machine learning and Deep Learning-Fundamentals and Application” from July 2023 to October 2023.
2. M R Rakshitha (1MJ20EE011) completed udey course on “Electric Vehicle Battery Charging Motor Components-Basics" on 10th November 2023.
3. **Department of Electrical & Electronics Engineering:**

4. CHENNANA GOUDA C (1MJ20EE001] 8th Semester EEE has successfully completed the online Udemy 34 hrs course in the title of “Android App Development: MobDevOps+ Android 13” in May 2024.
5. GOKUL ANAND (1MJ20EE002] 8th Semester EEE has successfully completed the online Udemy 58.5 hrs course in the title of “100 Days of Code: The Complete Python Pro Bootcamp” in May 2024.
6. HARSHITA M S (1MJ20EE004] 8th Semester EEE has successfully completed the online Udemy 32.5 hrs course in the title of “Software Testing Bootcamp” in April 2024.
7. NIKHIL K V (1MJ20EE014] 8th Semester EEE has successfully completed the online Udemy 32.5 hrs course in the title of “Software Testing Bootcamp” in April 2024.
8. VISHAL G (1MJ20EE022] 8th Semester EEE has successfully completed the online Udemy 32.5 hrs course in the title of “Software Testing Bootcamp” in April 2024.
9. K. LIKITH PRASHANTH (1MJ20EE006] 8th Semester EEE has successfully completed the online Udemy 58.5 hrs course in the title of “100 Days of Code: The Complete Python Pro Bootcamp” in May 2024.
10. K SOUNDARYA SAGAR (1MJ20EE007] 8th Semester EEE has successfully completed the online Udemy 44.5 hrs course in the title of “Data Science and machine Learning Fundamentals” in May 2024.
11. RAAKSHITHA R K (1MJ20EE403] 8th Semester EEE has successfully completed the online Udemy 31 hrs course in the title of “The Complete Python Developer” in May 2024.
12. TAHIR ALI (1MJ20EE404] 8th Semester EEE has successfully completed the online Udemy 44.5 hrs course in the title of “Data Science and machine Learning Fundamentals” in May 2024.
13. CHETAN RAO V (1MJ20EE400] 8th Semester EEE has successfully completed the 8-week online NPTEL course in the title of “Enhancing Soft Skills and Personality” in April 2024.

Department of Mechanical Engineering:

1. Mr. Mousum Bhui (1MJ20ME016) of 7th Semester Mechanical completed the course on AUTOCAD 2023 essentials conducted by PROLOTEK from September 2023 to November 2023.

2. Mr. Mousum Bhui (1MJ20ME016) of 7th Semester Mechanical completed the course on Solidworks for Beginners conducted by PROLOTEK from September 2023 to November 2023.

Outreach and Extension activities:

Department of Aeronautical and Aerospace Engineering:

1. Dr.R.Shankar Visited Er. Perumal Manimekalai College of Engineering (Autonomous), Hosur as a chief guest of the National Level Technical Symposium (VIMANIKA SHASTRA –2k23) conducted on 3rd October 2023.
2. Dr.R.Shankar presented one day technical seminar on “Basics of aircraft propulsion and Aviation fuels” conducted on 16th November 2023 at Er. Perumal Manimekalai College of Engineering (Autonomous), Hosur.
3. Dr.R.Shankar given talk on Introduction to MATLAB in PMC Tech, Hosur, Tamil Nadu on 16th March 2024.

Department of Electronics & Communication/Industrial IoT:

1. Students of 7th sem Allwin Joseph, Delin Jose, Abdul Malik and Avinash visited Government Polytechnic, Channasandra conducted a session with demo on the topic “Automation and Robotics” on 26th October 2023.
2. The department of ECE & IIOT organized a CSR activity “Workshop on IOT & Robotics at MVJ College of engineering, Bangalore for Government Polytechnic College, Channasandra students on 4th October 2023.
3. Dr. Bishwaranjan Barik was awarded as "Award for Young Researcher of the Year at Education Awards - LREA 2023 on 22nd December 2023.
4. Dr. Sajithra Varun S served as the reviewer for the International Conference on ‘INTELLIGENT COMPUTING, ADVANCE COMMUNICATION AND MATERIALS, ICCACM-23’.
5. Dr.M.Thilagaraj delivered a TWO DAYS workshop on “LabVIEW on Graphical System Design on 15th and 16th March 2024 at Sri Shanmugha College of Engineering and Technology, Sankari Taluk, Salem, Tamil Nadu.

Department of Electrical & Electronics Engineering:

- **Dr.Shima Ramesh Maniyath** served as a speaker for a five-day virtual Faculty Development Program (FDP) on Cryptography and its Applications, organized by

Mohamed Sathak A.J College of Engineering, Chennai from 26th, February 2024, to 1stMarch, 2024

Department of Information Science & Engineering/Data Science:

- Dr. Jasna S B is selected as a reviewer of IEEE Bangalore section conference, CISCON 2024 hosted by Manipal Institute of Technology, Manipal.

Department of Mechanical Engineering:

- The Department of Mechanical Engineering had an Outreach Research Interaction program for Research Collaboration on 13th December 2023 with the members of Interdisciplinary Research Cell of Nitte Meenakshi Institute of Technology, Yelahanka, Bangalore, Karnataka, India, headed by Dr. P.N. Tengli, Former Director-Aeronautics (Projects) & Scientist 'G; from DRDO (O/o DG-Aero, Bangalore) to exchange ideas and discuss about the inter institutional tie ups, for facilitating the research on the development of Hemp fibre reinforced low weight bio composite helmets for defense personnel and other product developments.

Department of Mathematics:

- Dr. H F Shankar was the guest speaker in one day workshop on “Application of Mathematics in Engineering” organized by Bangalore Technological Institute, Bengaluru on 22nd December 2023.

Department of Management Studies:

Prakash Rajagopal was the resource person Resource Person for the Webinar on **Problem Solving and Ideation Workshop** conducted by the Institution's Innovation Council on 27th November 2023 at Soka Ikeda College of Arts & Science for Women.

Project Fund received by faculty:

Dr. Reshmi Verma, Assistant Professor, Physics Department , (PI) and Dr Sathish Sugumaran, ASP, Physics Department (Co-PI) received a fund of Rs. 10 Lakhs from VGST for the project, ‘Study of Lead-free Perovskite Solar Cells for improved stability in ambient condition’, under Early Career Research Award Scheme for the academic year 2022-23.

Sports Achievements:

Hockey Men Team: MVJCE team Secured Runners-Up and Qualified to State Level tournament in the VTU Inter-collegiate Bangalore North Division Hockey Tournament held on 31st May & 1st June 2024 at Sri Sairam CE, Anekal.

Sl No	Student Name	USN	Branch	Sem
1	Karan Kuttappa U A	1MJ20EE009	EEE	VIII
2	Harsh Vikram Tey	1MJ20EE003	EEE	VIII
3	Sashaank Mandanna	1MJ20CS193	CSE	VIII
4	Kushal S	1MJ21EE014	EEE	V
5	Arun Reddy	1MJ21CD006	CD	V
6	Harshath K S	1MJ22CS071	CSE	III
7	Chandan D C	1MJ22CD012	CD	III
8	Abhishek Kasareddy	1MJ21IS002	ISE	V
9	Rahul Parappa Ganiger	1MJ22AS023	AS	III
10	Harshith D B	1MJ23AE020	AE	I
11	Anand Ojha	1MJ22CS012	CSE	III
12	Susheel Kumar M H	1MJ21CS221	CSE	V
13	K S Dhyan Pemmaiah	1MJ23AE028	AE	II
14	Nikilesh	1MJ21IS086	ISE	V

Taekwondo: Pooja K, VI sem, ECE secured Bronze Medal in the VTU State Level Taekwondo Championship held on 21st & 22nd June 2024 at GAT.

Athletics Team: VTU State Level Athletic meet was held from 25th to 29th June 2024 at VTU regional Center Mysore. Our students secured 8 Bronze medals.

Sl No	Student Name	USN	Branch	Sem	Medals	Category
1	Priyanka S M	1MJ21EC102	ECE	VI	2 Bronze	4*400 mix relay 4*100 m Relay
2	Chandana M Y	1MJ22EC034	ECE	IV	1 Bronze	4*100 m Relay
3	Nisarga P	1MJ22AS020	AS	IV	1 Bronze	4*100 m Relay
4	Bindushree S	1MJ22CS224	CSE	IV	2 Bronze	4*400 mix relay 4*100 m Relay
5	Dakshath B S	1MJ22CS046	CSE	IV	1 Bronze	4*400 mix relay
6	Ayan Amanullah Khan	1MJ22CD010	CD	IV	1 Bronze	4*400 mix relay

Table Tennis Women Team: MVJCE team secured Runners-Up and Qualified to State level Championship. VTU Inter-collegiate Bangalore North Division Table Tennis Tournament held on 01st & 02nd July 2024 at NCET, Devanahalli.

Sl No	Student Name	USN	Branch	Sem
1	Vaishnavi	1MJ22AS032	AS	IV
2	Varuni Desai	1MJ21EC160	ECE	VI
3	Shalini Kannan	1MJ23CS169	CSE	II

Shuttle Badminton Women Team: MVJCE team secured Runners-Up and qualified to State Level Championship in the VTU Inter-collegiate Bangalore North Division Badminton Tournament held on 08th & 09th July 2024 at Sapthagiri CE, Bangalore.

Sl No	Student Name	USN	Branch	Sem
1	Vaishnavi	1MJ22AS032	AS	IV
2	Sana	1MJ23CG015	CG	II
3	S Preethi	1MJ23EC121	ECE	II

- Mohammed Talib Saleem from Aeronautical Engineering secured 2nd position under 78 Kg Category in Armwrestling championship organized by Karnataka Armwrestling Association.

Cultural Club Achievements

NRITYATRIX CLUB

- Nrityatrix team has won 2nd Prize in the thematic group dance competition conducted by Atal Bihari Vajpayee Medical College on 17th May 2024.
Participants: G T Priya, 3rd year, ISE, Chinmayi Hathwar B, 3rd year, ISE Jeevan, 1st year, VLSI, Darshan N, 2nd year, Aeronautical, Hitha, 3rd year, Data Science, Darshan R, 2nd year, ISE, Manoj Gowda, 2nd year, ISE, Chandana TS, 2nd year, ISE, Jagan Gowda, 1st year, Aeronautical, Damini BR, 1st year, ISE, Harshitha Prakash, 1st year, Data Science, Sahana M, 3d year, Computer Science & Design, and Amrutha HS, 1st year ECE.
- Nrityatrix team has won 1st Prize in the thematic group dance competition conducted by New Horizon college on 31st May 2024.
Participants: G T Priya, 3rd year, ISE, Chinmayi Hathwar B, 3rd year, ISE Jeevan, 1st year, VLSI, Darshan N, 2nd year, Aeronautical, Hitha, 3rd year, Data Science, Darshan R, 2nd year, ISE, Manoj Gowda, 2nd year, ISE, Chandana TS, 2nd year, ISE, Jagan Gowda, 1st year, Aeronautical, Damini BR, 1st year, ISE, Harshitha Prakash, 1st year, Data Science, Sahana M, 3d year, Computer Science & Design, and Amrutha HS, 1st year ECE.

Dhwani Club

- Panyam Sri Varun Adithya, 3rd year, CSE from Dhwani team has won Ist Prize in the Fest Samskruthi 2024 (Solo Instrumental) competition conducted by East Point Group of Institution on 3rd May 2024.
- Panyam Sri Varun Adithya 3rd year, CSE from Dhwani team has won Ist Prize in the Fest Samskruthi 2024 (Solo Classical) competition conducted by East Point Group of Institution on 3rd May 2024.
- Pradipta Kumar Jena, 3rd year, CSE and Panyam Sri Varun Adithya, 3rd year, CSE from Dhwani team has won 2nd Prize in the Fest Samskruthi 2024 (Solo Classical) competition conducted by East Point Group of Institution on 3rd May 2024.
- Panyam Sri Varun Adithya, 3rd year, CSE from Dhwani team has won II Prize in the Fest Cultura 2024 (Solo Instrumental) competition conducted by CMRIT on June 21-22, 2024.
- Dhwani team won 2nd Prize in Group singing competition conducted by Cultura 2024 CMRIT on June 21-22, 2024. The team Members are: Pradipta Kumar jena, 3rd year, CSE, Emmanuel Joseph, 3rd year, Aerospace, Manojna M Bhat, 2nd year, Computer Science & Design, Pranathi Thallam, 2nd year, ISE, Sajid Nazir, 2nd year, CSE, Manogna S Gowda, 1st year, CSE, Khanak Juttiyavar 1st year, CSE, Manaswini V Rao, 1st year, VLSI Design and Jeevan, 1st year, ISE

SAAHITHYA CLUB

Saahithya team members won first and second prizes in the cultural fest conducted by CMRIT's CULTURA-24 on 21-22 June 2024.

- Subhash Gowda, 3rd year, AIML and Tejaswini D S, 3rd year, AIML won Ist prize in the event Kannadadha Kandha
- Pavan Simhadri, 3rd year, ECE and Darshan K, 1st Year, CSE won Ist prize in Hejjegondhu Prashne
- Akalavya Verma, 2nd year, ISE won 2nd prize in Poetry Chain
- Pavan Raj, 1st Year, CSE won 2nd prize in Cutthroat Cinema

TOASTMASTERS CLUB:

1. Best Guest Booklet (May 2024)

The president of MVJCE toastmasters club Shruthi Reddy, final year, AIML was awarded with the best guest booklet award by having the most elegant design and content which is easy to comprehend for any new guests to know about the club following the brand guidelines.

2. Spirit of 92 (May 2024)

The president of MVJCE toastmasters club Katharine Kennedy, 3rd year, CSE received the prestigious spirit of 92 award by attaining the distinguished status and having a membership of 20+ at coronation, D92 annual conference.

3. Star Designer – Deepak Jain (May 2024)

Deepak Jain, final year, CSE, MVJCE was awarded the Star Designer award for showing his exceptional work in public relations at Coronation, D92 conference.

4. Growth Pioneer Award – Rachana Kulkarni (May 2024)

Rachana Kulkarni, Alumnus of CSE-2024 batch from MVJCE was awarded the growth pioneer award for actively leading Area E3, chartering a new club within her area within the first 120 days of the commencement of her term. Handling various corporate clubs and playing an active role in their growth.

5. Super Seven Award (May 2024)

Katharine Kennedy, 3rd year, CSE and Shruthi Reddy, final year, AIML from MVJCE Toastmasters club received the super seven award for having trained executive officers in the program year during division E contest.

6. Appreciation of service as District PR Extended Team – Joshua (May 2024)

Joshua Royar, 2nd year, AIML from MVJCE received the extended PR team award for his dedicated service in the district 92 in public relations.

7. Division Ambassador award – Shruthi Reddy (May 2024)

Shruthi, final year, AIM received the prestigious division ambassador award for her excellent service as the division PR manager for the program year 2023-2024 represented

division E in all the events organized by district 92 and acted as a bridge between the district PRM and division director and clubs under it.

8. Division E Director - Rachana (May 2024)

Rachna, MVJCE- CSE Alumnus (2024 passed out) is now elected as the Division Director for Division E effective from June 2024 – June 2025, indeed a proud moment for everyone starring our college to greater heights in overall District. With 70+% votes, she won the Division E Director elections and was formally elected at Coronation, D92 conference. She will now be handling various Areas under her division, reaching greater heights. Who will be handling 4 Areas and Numerous Clubs under these 4 Areas.

9. Area E1 Director – Pranav (June 2024)

It is indeed a delighted news for us to know that the new area E1 director (June 2024 – June 2025) elected is TM Pranav, CSE, 2024 recent pass-out from MVJ College of Engineering. He is entitled to handle all the clubs under area E1 which includes MVJCE TMC. Being a member of the club to raising up and overseeing the club is an achievement by our member.

10. Aadish (June 2024 – 2025), Area E1 Public Relation, Tripple Crown Winner:

Aadish from 2nd year, ISE, VPPR July-Dec 2024 has won the triple crown pin in visionary communication pathway and being the Area PR for the Area E1 showing his dedication and hard-work by balancing his academics and moulding himself as a better speaker and leader.

11. Triple Crown Winner:

Katharine Katharine from 3rd year, CSE, the Immediate Past President of Jan-June 2024 has won the triple crown pin in Dynamic leadership pathway this term. This shows the dedication and hard work put forth by the member in attaining the pin by her efforts in balancing the club as well as her personal pathway.

12. Triple Crown Winner, Path breaker Pin winner and Associate Area E1 PR

Joshua Joshua from 2nd year AIML, VPM Jan-June 2024 has won the triple crown and path breaker pin in Presentation mastery pathway showing his dedication and hard-work in completing every level and showing exceptional efforts into every project and PR activities in Area.

13. Leadership Development Program (LDP)

Trisha Chouhan A 2nd year ISE Student, who have been selected as an LDPian among 277 Candidates. She has to pursue her LDP for 9 months effective from Aug 2024. This shows her innovative mind on getting selected to such a prestigious program.

- **Founder's Day 2024:** Celebrated the 96th Birth Anniversary of founder, **Dr. M V Jayaraman** on May 17, 2024. The event was graced by esteemed Chief Guest, Padma Bhushan Dr. B N Suresh, Chancellor, IIST, Trivandrum and Chairman of BoG, MVJCE, Bangalore.
- Well-deserved students were awarded certificates and cash awards in various categories including Autonomous rank holders, College topper, year-wise toppers, students obtaining more than 4 outstanding grades in the last year's examinations, Vinay Deepak Memorial award to the topper in Mechanical Engineering, Best outgoing student, gold medals in sports, state-level championship winners, best players in various sports, and students excelling in cultural activities such as Music, Dance, Fine arts, and Theatre. An award was also instituted by alumnus Mr. Amitesh Rahul, Director of ADSAT ENGINEERS PRIVATE LIMITED and a 1987 batch Electronics and Communication Engineering graduate, for the 1st rank holder in Electronics and Communication Engineering.
- Rs. 6 Lakhs has been sanctioned to organize 2 weeks Advanced FDP on "Recent advancements in GaN-based semiconductor devices for next-generation high-frequency and high-power applications such as 6G and e-vehicles: A technology in the spotlight" by ATAL – AICTE. PI: Dr. Rameshan Kariyadan, Professor, VLSI Design and Co-PI: Dr. M Brindha, Professor, ECE.
- Advanced driving simulator for immersive training & Safety assessment project by team of students, Allwin Joseph and Delin Jose, Abdul Malikh T K and Avinash M of Final-year ECE, Mentor - Mr. David William Raj, AP, ECE) received a funding of Rs. 4 Lakhs in Yukti National innovation Challenge organized by the Ministry of Education's Innovation Cell and AICTE.