



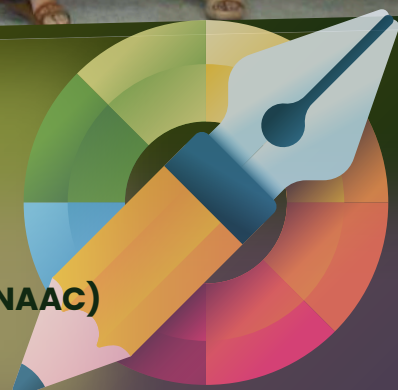
Volume 02, Issue 07, May 2024

# VARTHAMANAJARI

e-NEWSLETTER



**Sri Krishnadevaraya Educational Trust**  
**Sir M. Visvesvaraya Institute of Technology**  
(Affiliated to VTU-Belagavi, Recognized by AICTE and Accredited by NAAC)

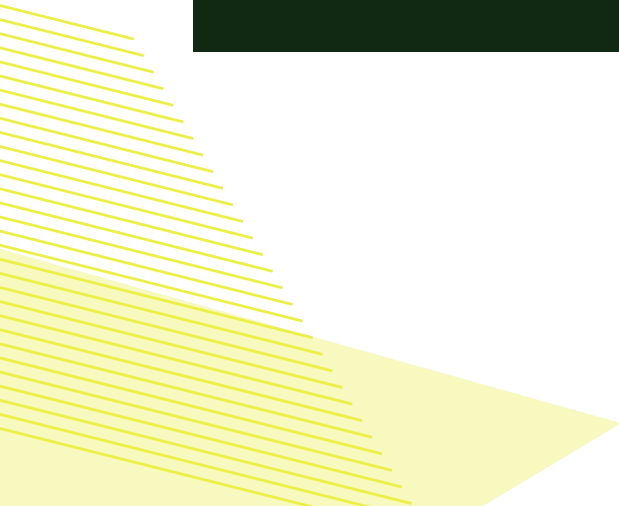
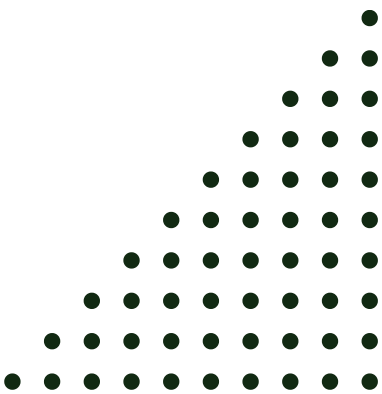




## >>> VISION <<<

- To be a Centre of Excellence in technical and management education concurrently focusing on disciplined and integrated development of personality through quality education, sports, cultural and co-curricular activities.
- To promote transformation of students into better human beings, responsible citizens and competent professionals to serve as a valuable resource for industry, work environment and society.

## >>> MISSION <<<

- To impart quality technical education, provide state-of-art facilities, achieve high quality in teaching-learning & research and encourage extra & co-curricular activities.
  - To stimulate in students a spirit of inquiry and desire to gain knowledge and skills to meet the changing needs that can enrich their lives.
  - To provide opportunity and resources for developing skills for employability and entrepreneurship, nurturing leadership qualities, imbibing professional ethics and societal commitment.
  - To create an ambiance and nurture conducive environment for dedicated and quality staff to upgrade their knowledge & skills and disseminate the same to students on a sustainable long term basis.
  - To facilitate effective interaction with the industries, alumni and research institutions.
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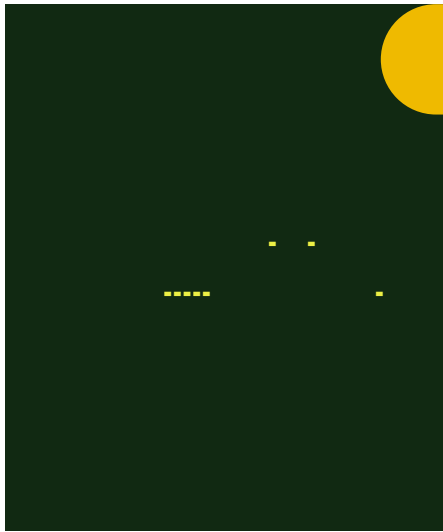
### **3-Day Student Development Program on “Business Statistics Using SPSS”**

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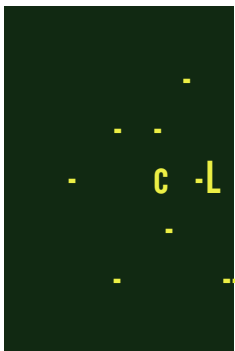
### INSTITUTION'S INNOVATION COUNCIL (IIC) ACTIVITIES



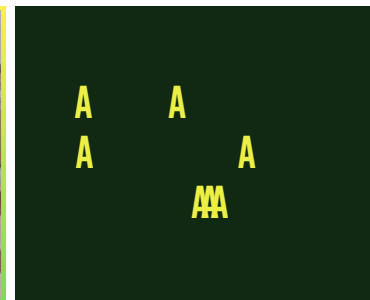
The IoT and AI&ML departments, in collaboration with the Institution's Innovation Council (IIC), organized a celebration activity, "National Technology Day", on 11th May 2024. The event featured Dr. Kamli, Chief Scientist & Group Head of the Flight Mechanics & Control Division at NAL (National Aerospace Laboratories), as the resource person. The objectives of the event were focused on promoting technological literacy, highlighting innovation and fostering digital inclusion. 115 students from S3 of CSE(IoT) and AI & ML actively participated in the event. Dr. Savita Choudhary and Dr. Soumya Patil coordinated the event.



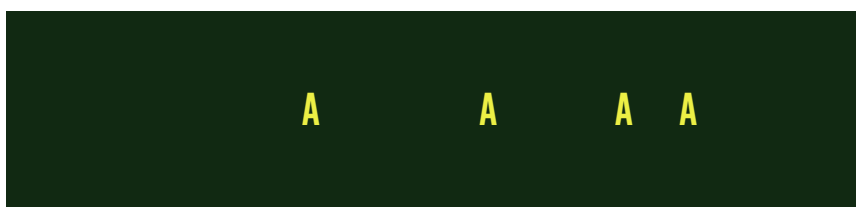
The ETE department, in association with Institution's Innovation Council (IIC), organized an event, "Brain to Business" on 22nd and 23rd May 2024. The session aimed to inspire young minds by raising awareness about innovative ideas and enhancing their business skills. Around 50 students took part in the event and presented the business ideas. The jury members were Dr. E. Kavitha, Professor and Head of Electronics and Telecommunication Engineering, Dr. Savita Choudhary, Head of CSE(IOT and Cybersecurity including Block Chain Technology) and Dr. Poongathai, Associate Professor, Dept. of Electronics and Communication Engineering. The faculty coordinators were Ms. Swetha B. M. and Ms. Akila P.



The Department of MBA, in association with the Institution's Innovation Council, organized a session on "How to Plan for Start-up & Legal and Ethical Steps" on 27th May 2024. The resource persons for the event were Mr. Anushruth Manchi, Entrepreneur, Speaker, Finance Mentor and Business Head at The Trading Funds and Mr. Rahul Parmar, Educationist, Media & Entertainment Entrepreneur. The program aimed at building entrepreneurial skills and fostering innovative thinking for MBA students. 98 students from S1 participated in the event. The event was coordinated by Ms. Deepthi J. R. and Ms. Priya Choudhary, Assistant Professors. The convener of the event was Dr. Priyanka Sharma, Associate Professor and Head, Department of MBA.



Department of Biotechnology, in association with Institution's Innovation Council, Sir MVIT organised "The World Creativity and Innovation Day", on 29th May 2024. The Resource person was Dr. Nithish Sathyanarayana, Co-Founder and Chief Scientific Officer, UltraNutri, Bengaluru. Dr. Nithish is also a distinguished alumnus of Sir MVIT. Dr. Nithish emphasized the need for creativity and also urged students to take that extra risk to become an entrepreneur. He also quoted that Entrepreneurship is like a roller coaster ride and one needs to have patience and perseverance to be successful. The highlight of the event was the engaging interactions with the students and faculty. Dr. Nithish was then felicitated and honored as a distinguished alumnus (Batch 2008-2012) for his significant contributions to science and society, which have led to his success as an entrepreneur. 8 students from S6, 5 students from S4 and 1 student from M.Tech. attended the session. The event was coordinated by Dr. Priya Narayan and Dr. Jagadeesh Kumar D.

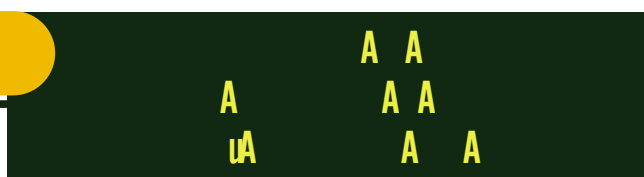


Sir MVIT-KSCST IP CELL, in association with the Institution's Innovation Council and the Department of EEE, celebrated "World Intellectual Property Day" on 8th May 2024. The celebration focused on the theme "IP and the SDGs: Building our Common Future with Innovation and Creativity - Build our Common Future and Achieve the Sustainable Development Goals (SDGs), We Need to Re-think How We Live, Work and Play." The main objective of this event was to encourage and amplify innovative and creative solutions crucial for building our common future. This celebration was organized to inform participants about the role of Intellectual Property Rights in encouraging innovation and creativity. A total of 100 participants actively took part in the event. Various competitions like Quiz, Essay Writing and Idea Submission were conducted, and prizes were distributed. The event was coordinated by Dr. Mahesh K., the IPR Coordinator.



## IQAC ACTIVITY

The Internal Quality Assurance Cell at Sir MVIT organized a 1-Day FDP on "Quality Assurance in Research Publications: Strategies and Methods" on 22nd May 2024 in the Science Seminar Hall. The resource person for the event was Dr. Shreyas Suresh Rao, Associate Professor, Department of CSIS, WILP Division, BITS-Pilani. This program aimed to enhance the quality of research publications through effective strategies and standards. The FDP provided faculty with insights into maintaining high standards in research publications, including ethical considerations, peer review processes, the importance of transparency and reproducibility, ensuring the quality and integrity of research outputs, and the verification process for Scopus, Web of Science and UGC journals. It also emphasized the need to identify the right journal for research. Around 120 faculty members participated in this event. The event was coordinated by the members of IQAC sub-committee, Ms. R. Latha, Dr. Poongothai C., and Dr. Halima R.





## PATENTS PUBLISHED

- Dr. Prashanth G. K., Dr. H.S. Lalithamba, Dr. Srilatha Rao, **Dr. Rashmi K. V.**, Dr. Bhagya N. P., Dr. A.S. Sowmyashree, Dr. M. Mahadeva Swamy, Dr. Aisha Siddekha and Dr. E. Vijaya Sekhar. "Bio-fuel assisted Synthesis of Magnesium Oxide Nanoparticles for Biomedical Applications." Application number 202441004707, 9th February 2024, Indian.

## FACULTY ACHIEVEMENTS & RECOGNITION

- Dr. Rashmi K.V. reviewed an article entitled "Facile Preparation of Gold Nanoparticle-decorated Chondroitin Sulfate Compositated Formulation to Reduce Osteoporosis in Rats with Ovariectomies by Regulating the Microbiota by MAPK Signaling Pathway" for the Springer Journal Gold Bulletin in May 2024.
- Dr. H. G. Nagendra and Dr. Jagadeesh Kumar D. successfully guided a 5-week internship program on "In Silico Techniques in Bioinformatics" for 6th semester B.Sc. (Microbiology and Genetics) students of the Department of Biotechnology at M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru, from 27th March 2024 to 10th May 2024. Under their guidance, the students presented three posters at the National Conference on "Trends in Multidisciplinary Research: Challenges and Applications," organized by M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru, on 15th and 16th May 2024. The posters were titled:
  - Screening of Potential Natural Compounds as Potential Drugs Against Hepatitis C Virus
  - Analysis of Common Drug Targets Implicated in Various Cancers and Drug Repurposing
  - Mutational Analysis of COVID-19 Variants and Phylogenetic Analysis
- Dr. Priya Narayan successfully guided a 4-week internship program on "Advanced Microbial Techniques and Antimicrobial Activity on Biofilms" for 6th semester B.Sc. (Biotechnology/Microbiology) students of the Department of Microbiology at M.S. Ramaiah College of Arts, Science and Commerce, Bengaluru, during the period from 4th April 2024 to 4th May 2024.
- Dr. Rashmi K.V. guided a 4 months project entitled "Production of Nutritional Drink by Using Underutilised Seeds and Fruit Peels" for 3 students of 6th semester B.Sc. (Microbiology) from the Department of Microbiology, at School of Basic and Applied Sciences, Dayananda Sagar University, Bengaluru from 15th January 2024 to 15th May 2024.

## EVENTS ORGANIZED



The department organized a one-day hands-on session on "Innovative and Practical Approach-Based Teaching in Biology" for rural school teachers from Agastya International Foundation, Bengaluru, on 25th May 2024. A total of 26 biology teachers from various parts of Karnataka and Andhra Pradesh participated in the session. These teachers learned various methods of DNA extraction, DNA quantification and the study of divisional stages in mitosis and meiosis. Before the laboratory session began, all theoretical concepts and applications of these experiments were taught to the participants. After the session, feedback was collected, and all participants expressed their gratitude for the opportunity. Dr. H.G. Nagendra, Professor and Head, addressed the participants, welcoming them to the Institute for any technical and academic support. Mr. Suresh T.S., General Manager of Agastya International Foundation, accompanied the participants and also expressed his gratitude to the department, institution, and management for supporting such noble events. Dr. Rashmi K.V., Associate Professor in the department, coordinated the event.



JAIVIK Forum of Department of Biotechnology under the aegis of Institution's Innovation Council, Sir MVIT organized a field visit on 22nd May 2024, to the Centre for Cellular and Molecular Platforms (C-CAMP). C-CAMP is an Innovation and Incubation Centre that facilitates and promotes innovation and entrepreneurship in the Biotechnology domain. The purpose of this visit was to create awareness among the students about the various opportunities available for entrepreneurs. Through this visit students were able to explore the entrepreneurship opportunities, various research and training facilities available, project/internship opportunities provided by CCAMP and NCBS. 30 students from S6 participated in this visit. Dr. Rashmi K.V. was the faculty coordinator of the visit.

The department organized a health talk on "Mind Body Balance/Stress Management" on 7th May 2024, by Ms. Mili Baruah, Mind Body Wellness Therapist and Patient Navigator from Cytecure Hospitals, Bengaluru. The session organized for the S2 B.E-Computer Science (IOT & Cybersecurity including Blockchain Technology) students. Ms. Baruah shared valuable insights into the importance of maintaining a healthy mind-body balance, especially for students facing the pressures of a demanding academic schedule. She discussed effective stress management techniques, including mindfulness practices, physical exercises and the role of a balanced diet. The session was highly interactive, with students actively participating and asking questions. Dr. Rashmi K.V. was the faculty coordinator of the talk.

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## TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Dr. Rashmi K.V.	Core Research Facilities Day for Technology Platforms for Advancing Biological Research	National Centre for Biological Sciences (NCBS)	03-05-2024

## STUDENTS' ACHIEVEMENTS

Samhitha B.S., Amrita De and Ahalya P. of S8 presented a paper entitled "An Invitro Construction of Human Gut Microbiota Model and the Study of Effects of Drugs", under the guidance of Dr. Priya Narayan and Dr. Jagadeesh Kumar D. at the National Conference on "Trends in Multidisciplinary Research: Challenges and Applications," organized by M. S. Ramaiah College of Arts, Science and Commerce, Bengaluru, on 15th and 16th May 2024.





## TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Ms. Ramya N. Ms. Bhavya S.	Skill Training Workshop on “Navigating Academic Conference, Journal Publications, and Digital Object Identifiers (DOIs)”	RSP Science Hub, Coimbatore, Tamil Nadu Virtual Mode	03-05-2024
Ms. Anitha J. Ms. Tamil Selvi N.	1-Day International Workshop on “Recent Trends in Civil Engineering”	India Chapter of ACI Students’ Chapter, Zakir Husain College of Engineering & Technology, Aligarh Muslim University in collaboration with department of Civil Engineering, ZHCET, AMU, Virtual Mode	08-05-2024
Ms. Subhadra G. D.	Webinar on “How to Become a Billing Engineer”	Construction Management Training Institute, Virtual Mode	11-05-2024
Dr. Ravi Kumar H.	Webinar on “Mastering the Arts of SWOC”	ISDE Academy India Private Limited, Ambattur, Chennai, Virtual Mode	17-05-2024
Dr. Pradeepa S.	Skill Training Workshop on “Empowering Academic Success: Leveraging Modern AI Tools, Understanding DOIs and Navigating Google Scholar Indexing”	RSP Science Hub, Coimbatore, Tamil Nadu, Virtual Mode	18-05-2024
Dr. Ravi Kumar H. Mr. K. V. R. Prasad Ms. Anitha J. Dr. Pradeepa S. Ms. Tamil Selvi N. Ms. Vyshnavi D. R. Ms. Bhavya S. Ms. Subhadra G. D. Mr. Sriram Mustapure	FDP on “Quality Assurance in Research Publications: Strategies and Standards”	Internal Quality Assurance Cell, Sir MVIT Science Seminar Hall	22-05-2024
Dr. Ravi Kumar H. Ms. Tamil Selvi N.	1-Day Workshop on “Prior Art Search”	Department of Electrical and Electronics Engineering, Sir MVIT, Bengaluru, Virtual Mode	25-05-2024

## PATENTS PUBLISHED

- Anjum Ghazala, **Ravi Kumar H.**, Ashwini L. K., **K. V. R. Prasad**, Nanjunda Swamy and S. Chethan Kumar. “An Integrated System for Modelling & Verifying Mechanical Response in MWCNTs &HNCs Reinforced Cement Nano Composites.” Application Number 20 2024 100 713, 8th May 2024, Germany.

## BOOK CHAPTERS PUBLISHED

- Anitha J. “Smart Materials in Construction.” Futuristic Trends in Construction Engineering, IIP Series, 2024. 132 -145.
- Pradeepa S., Anitha J. and Ramya N. “Eco Materials.” Futuristic Trends in Construction Engineering, IIP Series, 2024. 161- 170.





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The department organized an Extensive Survey Camp from 29th April 2024 to 10th May 2024 at Sughatta Village and Kaiwara, Bengaluru. The camp included a variety of live projects such as public health engineering, new highway alignment, layout planning, new tank projects, old tank projects and canal alignment. These projects aimed to help students learn about real-world problems and develop practical solutions, providing invaluable hands-on experience in their field. Throughout the camp, students engaged in topographic mapping, land surveying and data collection using modern surveying equipment. A total of 19 students from S6 participated in the camp. The Survey Camp was coordinated by Ms. Ramya N.

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### FACULTY ACHIEVEMENTS & RECOGNITION

- Under the supervision of Dr. Suma Swamy in the CSE department, Mr. Revanasiddapa and Mr. Shankar R. have successfully defended their Ph.D. theses. Mr. Revanasiddapa defended his thesis on 15th May 2024, while Mr. Shankar R. defended his thesis on 16th May 2024.
- Dr. Savita Choudhary reviewed one manuscript for the "BMC Medical Imaging" Journal.



### STUDENTS' ACHIEVEMENTS

- Nitesh, Piyush Raj, Shreya and Vijay of S8 CSE, won the third prize (Rs.1500) at the State Level Project Expo 2024, held at Brindavan College of Engineering, Bengaluru, on 7th and 8th May 2024, under the guidance of Dr. Savita Choudhary.

## DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### GRANTS RECEIVED

- Dr. Mahesh K., Professor and Mr. V. Rajesh Kumar, Assistant Professor have been sanctioned Rs. 2.0 lakhs by AICTE towards conducting a Conference titled "Energy, Sustainability, and Climate Change", under the AICTE-VAANI scheme, in Kannada language. They will serve as the coordinator and co-coordinator of this program.

### BOOK CHAPTERS PUBLISHED

- K. M. Kavitha, M. S. Raviprakash and **Suresh H. L.** "Design and Planning of a Standalone Solar Charging Station at Workplace." Control and Information Sciences, Lecture Notes in Electrical Engineering, [https://doi.org/10.1007/978-981-99-9554-7\\_20](https://doi.org/10.1007/978-981-99-9554-7_20), 17 May 2024. 257-267.
- K. M. Kavitha, M. S. Raviprakash and **Suresh H. L.** EVs Integrated with Smart Grid—Technologies and Challenges." Control and Information Sciences, Lecture Notes in Electrical Engineering, [https://doi.org/10.1007/978-981-99-9554-7\\_17](https://doi.org/10.1007/978-981-99-9554-7_17), 17 May 2024. 221-230.

## CONFERENCE PRESENTATIONS

- Dr. R. Sivapriyan presented three papers titled:

- "The Accurate Prediction and Forecasting Strategy Implementation for Various Weather Conditions Using Different Algorithms"
- "A Composite Design of Collaborative Filtering Models for Stay Recommendation"
- "The Framework for Training and Validation of Healthcare System Using Accurate Classifier Model"

at the Fourth IEEE International Conference on "Advance Computing and Innovative Technologies in Engineering" organized by Galgotias College of Engineering and Technology on 14th and 15th May 2024.

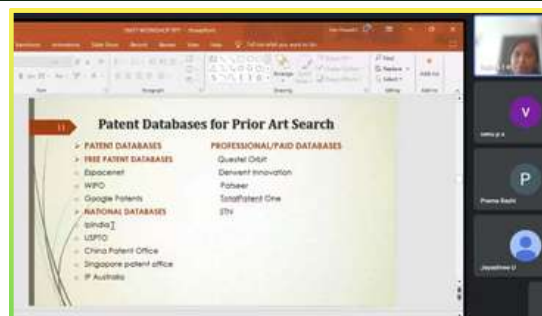
- Dr. R. Sivapriyan presented a paper titled "An Investigation on the Relationship between Workload and Psychological Health among Engineering College Faculties" at the conference on "Fostering Innovation in the Changing Landscape: Bridging Resources and Opportunities" organized by Jain University from 23rd to 25th May 2024.
- Ms. P. Kezia Joy Kumari and Mr. V. Rajesh Kumar presented a paper on "Artificial Neural Network (ANN) Based Energy Management in PV Powered Electric Vehicles" at the 3rd International Conference on "Advanced Communication and Intelligent Systems (ICACIS-2024)," organized by Jawaharlal Nehru University, New Delhi, India, on 16th and 17th May 2024.

## EVENTS ORGANIZED



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The Department of EEE, in association with Sir MVIT-KSCST IP CELL, organized a 1-Day online workshop on "Prior Art Search" on 25th May 2024. Ms. Rajitha T. R. was the resource person. The main objective of this workshop was to educate and train participants on conducting prior art searches effectively. This involved teaching them how to identify existing patents and publications relevant to their field of invention, which is a crucial step in the patent application process to ensure the novelty and non-obviousness of their inventions. A total of 100 students participated actively and received e-certificates. The event was coordinated by Dr. Mahesh K., the IPR coordinator.



## TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Dr. Suresh H. L.	Technical Webinar on "Design and Verification using Siemens EDA Tools"	CoreELTechnologies(I) Pvt. Ltd. Virtula Mode	31-05-2024
Dr. R. Sivapriyan	1-Week National Level Faculty Development Program on "Generative AI Models and Applications of Machine Learning"	Department of CSE, Shri Vishnu Engineering College for Women, Bhimavaram - Andhra Pradesh. Virtual mode	21-05-2024 to 25-05-2024
Mr. Bhaskar C. Ms. P. Kezia Joy Kumari	Workshop on "Navigating Academic Conferences, Journal Publications and Digital Object Identifiers (DOIs)"	RSP Science Hub, Coimbatore, Tamil Nadu. Virtual Mode.	03-05-2024
	Workshop on "Empowering Academic Success: Leveraging Modern AI Tools, Understanding DOIs and Navigating Google Scholar Indexing"	RSP Science Hub, Coimbatore, Tamil Nadu. Virtual Mode.	18-05-2024



## STUDENTS' ACHIEVEMENTS



- Siddarth Kumar of S2 won first prize in Live Art Competition held as a part of Cultural Fest-INWINCIA, at Presidency University on 22nd May 2024.
- Dhanush R., Shrikanth, Smitha Patil and Srujana C. R. of S8 won the first prize for their project titled "Development of Battery Monitor System" at State Level Student Project Exhibition-Meraki-2024, jointly organized by the departments of CSE, ECE, CV, EEE and ME, held on 3rd May 2024 at RR Institute of Technology.

## DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### JOURNAL PUBLICATIONS

- Sasmita Mohapatra, "Surveillance with Smart Spherical Robot." Lecture Notes in Networks and Systems, vol 879. Springer, Singapore. [https://doi.org/10.1007/978-981-99-9486-1\\_14](https://doi.org/10.1007/978-981-99-9486-1_14)

### PATENTS PUBLISHED

- Dr. Vani B. P., B. Kursheed, **Dr. Sheetal B.**, Dr. Parvathi C., Amulya H. G., Dr. Vijayashree R. Budyal. "IOT Based Accident Detection and Patient Rescue System." Application number 202441039205 , 31 May 2024, Indian.

### PATENTS GRANTED

- Dr. G. Shashibhushan. "IOT enabled Smart Charging Station for Electrical Vehicle." Design No. 411968-001, 17 May 2024, Indian.

## FACULTY ACHIEVEMENTS & RECOGNITION

- Ms. Vijayashri V. Belgaonkar reviewed a manuscript for the 1st IEEE International Conference on "Recent Innovation in Smart and Sustainable Technology", organized by Presidency University, Bengaluru, in association with IEEE Bengaluru Section, held on 15th & 16th March 2024.
- Ms. Vijayashri V. Belgaonkar reviewed a manuscript for the journal, "Engineering, Technology & Applied Science Research (ETASR)" eISSN 1792-8036, pISSN 2241-4487.

### TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Ms. Vijayashri V. Belgaonkar	Photonics Conclave in commemoration of the "International Day of Light"	Golden Jubilee Hall, Department of ECE, IISc, Bengaluru.	16-05-2024

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Dr. Harini G. S. joined the department as Associate Professor (Research) on 30th May 2024. She has 2 years of teaching experience and 2 years and 8 months of industry experience. She has published 2 papers in international Journals and 3 papers in International Conferences. Her areas of interest are Wireless Communication, 5G and Internet of Things.

## STUDENTS' ACHIEVEMENTS

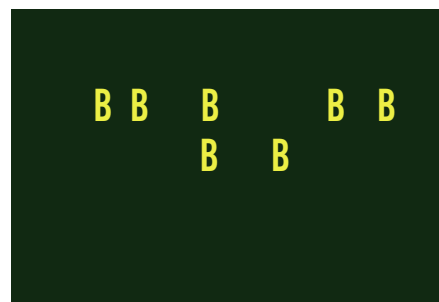
- Sumana and Bindushree of S6 participated in the International Day of Light - Photonics Student Conclave, held at the Indian Institute of Science, Bengaluru on 16th May 2024. These students represented the IEEE Photonics Society Student Chapter at Sir MVIT. They shared information about the various events conducted in the field of photonics at Sir MVIT.
- Abhishek U. S. and Chandra Mowli G. N. of S4 demonstrated their project during the celebration of International Day of Light organized by the IEEE SVIT Student Branch, in association with IEEE SVIT Photonics Society at Department of Electronics, Sai vidya Institute of Technology on May 16th 2024.

## DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

### TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Ms. Akila P. Ms. Swetha B. M.	Conference on "Artificial Neural Network-based Energy Management in PV Powered Electric Vehicles"	ICACIS 2024, Jawaharlal Nehru University, New Delhi Virtual Mode	16-05-2024 & 17-05-2024
Dr. E. Kavitha Mr. Faiz Mohammad Karobari Ms. Sandhya B. S. Ms. Akila P. Ms. Swetha B. M.	FDP on "Quality Assurance in Research Publications: Strategies and Standards"	Internal Quality Assurance Cell, Sir MVIT Science Seminar Hall	22-05-2024
Ms. Akila P.	1-Day Workshop on "Prior Art Search"	KSCST IP cell, Sir MVIT Virtual Mode	25-05-2024

### EVENTS ORGANIZED



The department organized a WAD (What A Day) session on the "Importance of Personal Branding" by Ms. Ruchika Sureka, Founder of WAD, on 22nd May 2024. The session was held for students from all branches and semesters, with approximately 40 students in attendance. The session was coordinated by Ms. Akila P., Assistant Professor.

## STUDENTS' ACHIEVEMENTS

- Uday Kiran R. Karturi of S6 won 1st prize in Fashion Shows organized by Nitte Meenakshi Institute of Technology on 24th May 2024 and Atria Institute of Technology on 27th May 2024.
- Nikhitha J. of S6 participated in Pencil Sketch competition organized by Presidency University on 24th May 2024. She also won 1st place in Pen Palette competition organized by Atria Institute of Technology on 27th May 2024 1st place in Fabric Painting competition organized by Atria Institute of Technology on 27th May 2024.
- Abhishek Kumar of S4 won 1st prize in Fashion Show organized by Atria Institute of Technology on 27th May 2024.



# >>> DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

## FACULTY ACHIEVEMENTS & RECOGNITION

- Mr. Raghav S. has successfully completed the NPTEL Online Certification course in "Research Methodology in Natural Sciences" with a consolidated score of 54%.

## STUDENTS' ACHIEVEMENTS

- Aniket Raj of S2 won 2nd place in the Street Play Competition, "Anaadyanta 2024," held at Nitte Meenakshi Institute of Technology, Bengaluru, on 4th May 2024. He also won 2nd place in the Street Play Competition, held from 24th to 26th May 2024, at Atria Institute of Technology, Bengaluru.

# >>> DEPARTMENT OF MECHANICAL ENGINEERING

## JOURNAL PUBLICATIONS

- Kiran Kumar N., D. Chethan, B. N. Sarada, **H. S. Yeshvantha** and **Hanamantray Gouda**, "Comparative Analysis of Sliding Wear Behaviour of A356 Nanocomposites using Response Surface Methodology and Artificial Neural Network Approaches", Engineering Research Express, 14 May 2024, <https://doi.org/10.1088/2631-8695/ad4437>.

## TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Dr. Prashanth S. H. Mr. Chandrashekar B.	12-Week FDP on "Introduction to Internet of Things"	NPTEL- AICTE , Virtual Mode	22-01-2024 to 12-04-2024
Dr. Prashanth S. H.	4-Week FDP on "Design Thinking-A Primer"	NPTEL- AICTE , Virtual Mode	22-01-2024 to 16-02-2024
Dr. Yeshvantha H. S.	12-Week FDP on "Introduction to Industry 4.0 and Industrial Internet of Things"	NPTEL- AICTE, Virtual Mode	22-01-2024 to 26-04-2024
Dr. V. Shantha Dr. G. Balakumar Mr. K. Ejaz Ahmed Dr. Janardhana K. Dr. Prashanth S. H. Dr. Hanamantray Gouda M. B. Mr. Chandrashekar B. Dr. Yeshvantha H. S. Ms. Asha Rani A.	FDP on "Quality Assurance in Research Publications: Strategies and Standards"	Internal Quality Assurance Cell, Sir MVIT Science Seminar Hall	22-05-2024
Dr. Janardhana K. Dr. Prashanth S. H. Dr. Hanamantraygouda M. B. Mr. B. Chandrashekar Ms. Asha Rani A.	FDP on "Navigating Academic Conferences, Journal Publications and Digital Object Identifiers"	RSP Science Hub, Coimbatore, Tamil Nadu , Virtual Mode.	03-05-2024

## BOOK CHAPTERS PUBLISHED

- Dr. Madhukumar K. "Design of Light Alloys for Engineering Applications", Futuristic Trends in Mechanical Engineering, Volume 3, Book 6, IIP Series, 2024.
- Dr. G. Balakumar, Dr. Madhukumar K. "Designing for Durability Overcoming Challenges Composite Structures", Futuristic Trends in Mechanical Engineering, Volume 3, Book 6, IIP Series, 2024.

# >>> DEPARTMENT OF COMPUTER APPLICATIONS

## EVENTS ORGANIZED



The department organized an online Parent-Teacher Meeting (PTM) for students of S1 on 12th May 2024. The meeting was conducted to inform parents about the academic, behavioral and social well-being of their wards and to address any related queries or concerns about their grades. The PTM was planned to provide parents with an opportunity to express and discuss their concerns with the HOD and faculty.



42 parents attended the online PTM and provided valuable inputs. Parents appreciated the department's efforts in conducting the PTM and briefing them about their wards' performance. Their doubts regarding the first and second internal test performances and the regularity of class attendance were clarified. This event was coordinated by Ms. R. Latha.

## TECHNICAL EVENTS ATTENDED

Name of the attendee	Title of the event	Organizers details	Dates
Dr. Ch. Vanipriya	Skill Training Workshop on “Navigating Academic Conferences, Journal Publications, and Digital Object Identifiers(DOIs): A Comprehensive Workshop”	RSP Science Hub, Coimbatore, Tamil Nadu, Virtual Mode	03-05-2024
Ms. R. Latha	Workshop on “Empowering Academic Success: Leveraging Modern AI Tools, Understanding DOI's and Navigating Google Scholar Indexing.”	RSP Science Hub, Coimbatore, Tamil Nadu, Virtual Mode	18-05-2024
	FDP on “Quality Assurance in Research Publications: Strategies and methods”	Internal Quality Assurance Cell, Sir MVIT Science Seminar Hall	22-05-2024
	1-Day Workshop on “Prior Art Search”	Dept. of EEE, Sir MVIT Virtual Mode	25-05- 2024
	Workshop on “AI Tools and advanced Excel for Enhancing Paper Writing and Project Report”	Vidya Vihar Institute of Technology, Purnea, Bihar, Virtual Mode	25-05- 2024

# >>> DEPARTMENT OF MANAGEMENT STUDIES

## EVENTS ORGANIZED



The department organized an industrial visit to Karnataka Soaps and Detergent Limited, Bengaluru, on 13th May 2024, aiming to provide students with insights into manufacturing processes within the FMCG sector. Karnataka Soap and Detergent Limited showcased its operations, highlighting sustainability practices and technological advancements. Students visited various departments engaged in interactive sessions with industry professionals and observed automated production lines and quality control measures. This visit offered a practical understanding of production, insights into industry challenges and career opportunities and valuable networking prospects. It was a rewarding experience that enhanced students' knowledge and prepared them for future endeavors in the FMCG industry. 55 MBA students from S3 participated in the industrial visit. The faculty coordinators were Ms. Priya Choudhary and Ms. Banishree Sukla, Assistant Professors.







The department of MBA organized a 3-Day Student Development Program on "Business Statistics Using SPSS" from 15th to 17th May 2024. This programme aimed to impart essential statistical skills and SPSS proficiency to 117 first-semester MBA students, preparing them for analytical challenges in the business world.

**Day 1: Introduction to Business Statistics and SPSS:** On the first day, Ms. Banishree Sukla, Assistant Professor, Sir MVIT introduced fundamental concepts of business statistics and the basics of SPSS, emphasizing the importance of hypothesis testing and variable analysis.

**Day 2: Data Analysis and Interpretation:** Mr. Madhan Thukkaraman, Executive Director, led the second day's sessions, focusing on the application of statistics in real business scenarios.



He discussed the significance of statistical analysis in decision-making processes and how businesses leverage data to gain insights.

**Day 3: Practical Sessions on data analytics using SPSS:** On the final day, under the guidance of Dr. Priyanka Sharma, Head of the Department, the sessions delved into advanced statistical techniques such as regression analysis and ANOVA. Students engaged in hands-on activities, analyzing datasets and applying their statistical knowledge to practical scenarios. The program was coordinated by Ms. Banishree Sukla and Ms. Priya Choudhary.



The MBA department organized "AVINYA – Where Ideas Become Reality" on 3rd May 2024. This program aimed to promote students' interest in entrepreneurship by enhancing their ability to develop original business ideas and showcase innovative management strategies, generating tangible results for potential success. 117 students of S1 participated in the event, organizing 17 food and game stalls.

The entrepreneurship development activity helped students to captivate management skills through various techniques, fostered cohesion and collaboration among participants and provided a platform to showcase innovative ideas and mutual support. The event demonstrated strong partnerships and effective marketing, finance, and HR strategies, generating tangible results for the students' potential success.

Four cash prizes were awarded to students:

- 1st Prize: Presentation Perfectionist Award to Flavour Bridge Team
- 2nd Prize: Dynamic Duo Award to Champions Team
- 3rd Prize: Marketing Mavericks Award to Sip and Play Team
- Stall Star Award to Shine Foods Team

This event was coordinated by Ms. Srilakshmi Venkata Rao and Ms. Sheethal C., Assistant Professors.

## STUDENTS' ACHIEVEMENTS

Manasi R. Kowshik, Ms. Manisha Kumari N., Mr. Naveen N. and Mr. Ranjith R. of S4 have been sanctioned Rs. 3500/- from the 47th series of the Student Project Programme 2023-24 of KSCST for their project on the topic "PM SVANIDHI and Its Role in Reviving the Street Vendor's Entrepreneurial Activities - An Empirical Study with Special Reference to Bangalore." This project is being carried under the guidance of Dr. Priyanka Sharma, Associate Professor & Head and Ms. Deepthi J. R., Assistant Professor.



# >>> DEPARTMENT OF CHEMISTRY

## JOURNAL PUBLICATIONS

Prashanth G. K., Srilatha Rao, Manoj Gadewar, H. S. Lalithamba, M. Mahadeva Swamy and A. S. Sowmyashree, "Cultivating Eco-Friendly Nanomaterials: Mimosa Pudica-Enhanced Zinc Oxide Nanoparticles for Enhanced Health and Environmental Well-being." Journal of Physics: Conference Series, vol. 2748, no. 1, p. 012001. IOP Publishing, 2024. doi: 10.1088/1742-6596/2748/1/012001.

## PATENTS PUBLISHED

- Dr. Bhagya N. P., **Dr. Prashanth G. K.**, Dr. Srilatha Rao, Dr. H.S. Lalithamba, Dr. M. Mahadeva Swamy, Dr. Aisha Siddekha. "Method and Composition for Enhanced Adsorption Efficiency: Zinc-doped Strontium Titanate for Highly Effective Removal of Coloured Dyes from Industrial Effluents." Application number 202441036591, 9th February 2024, Indian.
- **Dr. Prashanth G. K.**, Dr. H.S. Lalithamba, Dr. Srilatha Rao, Dr. Rashmi K. V., Dr. Bhagya N. P., Dr. A.S. Sowmyashree, Dr. M. Mahadeva Swamy, Dr. Aisha Siddekha and Dr. E. Vijaya Sekhar. "Bio-fuel assisted Synthesis of Magnesium Oxide Nanoparticles for Biomedical Applications." Application number 202441004707, 9th February 2024, Indian.

## FACULTY ACHIEVEMENTS & RECOGNITION

- Dr. Prashanth G. K. reviewed a manuscript for the Journal of Ayurveda and Integrative Medicine.

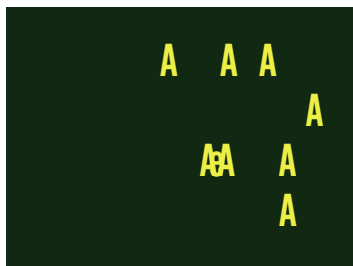
# >>> DEPARTEMENT OF MATHEMATICS

## FACULTY ACHIEVEMENTS & RECOGNITION

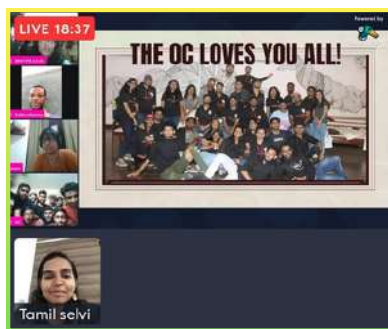
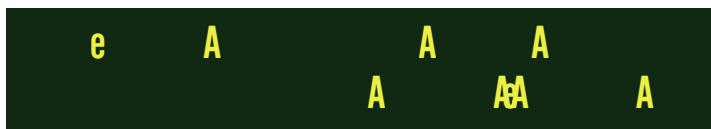
- Dr. S. K. Uma defended the project proposal titled "Ketaka Grahaganitam - English Exposition with Mathematical Analysis and illustrative examples", at Indian National Science Academy (INSA), New Delhi on 16th May 2024.



# >>> KALAKAUSTUBHA NEWS



KALAKRITI - The Fine Arts club of Sir MVIT, conducted the Art Out of Trash Competition, on 22nd May 2024, at Sir M. V. Seminar hall, in which 15 students from all the branches and semester participated.



Under the patronage of Susamkriti, the Alekhyia Literary Club orchestrated an inter-college Parliamentary Debate tournament spanning from the 24th to 26th of May 2024. Ms. Tamil Selvi N. is the faculty mentor for this club. It was known internationally and used the Asian parliamentary style. More than 200 people from all over the world took part. Top debaters and judges from famous Indian schools like IIT, IIM, VIT, NLU, joined in. There were also participants from places like Hong Kong, Africa, Singapore, Pakistan, Philippines and Bangladesh. The main judges were Collins Chinoso, Kelvin Kwabena and Lia Denise Tan. Their expertise made sure the competition was of high quality. It became the second biggest debate contest ever in South India.



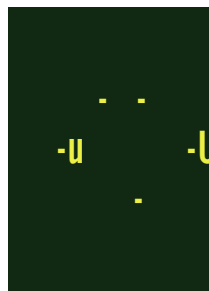
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An expert talk titled "IKS & the Wisdom in Traditional Foods" was conducted under the auspices of the 'Vidya Bharati' (IKS Club, Sir MVIT) on 22nd May 2024 at the Computer Science Seminar Hall. The speaker was Dr. Pratima Khandelwal, Founder & CEO of FlyHigh. A Menti Quiz was also conducted with around 70 participants. The top three winners of the Menti Quiz are Sara Joan (1st Prize), Nischay (2nd Prize), and Harshit Raj (3rd Prize).



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The Kannada cultural club "Hongirana" organized a Kannada "RASAPRASHNE SPARDE" competition on 29th MAY 2024 at CS seminar hall. 26 members participated in the competition. The top three winners of the competition are Abhisheka B. (1st Prize), Darshan M. L. (2nd Prize) and Pavan (3rd Prize).



Chetana - The Sports Club of SIR MVIT organized a "TUG OF WAR" competition for students on 29th May 2024 at car parking area. Around 75 students participated in the event.



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Sunaada-the musical club of our institution, organized the monthly bhajan program at Sri Vidya Ganapati Temple, on 20th May, 2024.

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- Sir MVIT's fashion team won first prize in the Fashion Show event at Atria Institute of Technology's Saptarang 2024 on 27th May 2024 and first prize in the Fashion Show event at NMIT's cultural festival Anaadyanta 2024 on 4th May 2024.
- The theatre team won second prize in the Street Play event at Atria Institute of Technology's Saptarang 2024, second prize in the Street Play event at BMSCE's Utsav 2024, and second prize in the street play event at NMIT's cultural festival Anaadyanta 2024 on 4th May 2024.
- The team comprising Ashish Ranjan, Akshat Tiwari, Sushmashree, Karan Kumar, and Swayam Sarit won second prize in the Scene Stealers event at Presidency University's cultural fest INVINCIA 24 on 25th May 2024.





- Ujjwal Kumar won second prize in Mono Acting at NMIT's fest Anaadyanta 24 on 4th May 2024.
- The quiz team comprising Kanishk Chaudhary, Aditya Kumar Singh and Vittala Chaitanya won second prize in Atria Institute of Technology's Saptarang 2024 on 27th May 2024.
- Siddarth Kumar won first prize in the Live Art event at Presidency University's cultural fest, Invincia 24, on 24th May 2024.
- Suprabha Adiga of S2, CSE was a finalist in the TIMES JOY Fresh Face Contest.



- Nikitha J. of S6, ETE won first prize in the Pen Palette event and the Fabric Fantasies event at Atria Institute of Technology's Saptarang24 on 27th May 2024.



## >>> ALUMNI CORNER

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Ms. Suma Unakal (1989-1993, CSE), presently working as Program Development & IT Coordinator at AICA Group in Perth, Western Australia, visited the campus on 9th May 2024.



Mr. Ashish Raj (2007-2011, Civil), working as Regional Sales Manager at Kunal Conchem Pvt. Ltd., Bengaluru, visited the campus on 13th May 2024.

Mr. Hemanth Kumar B. (1992-1996, ECE), presently working as Lead Engineer at Gap IT Services India Private Limited, Hyderabad, visited the campus on 25th May 2024.



Mr. Rajesh Soni (2008-2012, Civil), presently working as Contracts & Procurement Manager at Ashoka University, Sonipat, Haryana, visited the campus on 25th May 2024.

Mr. Mahesh Hegde (1997-2001, Mechanical), Founder & CEO of LearnEX Consulting Pvt. Ltd, and a Trainer and Consultant, visited the campus on 25th May 2024.



Mr. Rajesh Somayaji (1997-2001, ECE), currently working as Lead Engineer at ALSTOM Transport India, Bengaluru, visited the campus on 24th May 2024.

Mr. Prajwal(2015-2019, Civil), Proprietor of Sapphire Infra, Bengaluru and Mr. Gowtham N. (2015-2019, Civil), working as a Project Manager at Cute Homes Engineers and Contractors, Bengaluru, visited the campus on 30th May 2024.



## >>> ALUMNI SPEAK



### College Life in the Pre-Smartphone Era

Remember dial-up internet and flip phones? That was the reality for MVITians in 2005! Our social lifeline was a trusty Nokia 1100, complete with the legendary Snake game (a true test of patience for those in the know). Forget Instagram or instant photo sharing. Back then, capturing a college memory involved lugging around a digital camera, transferring photos to a desktop computer, and finally, onto a pen drive – a whole day's process just to relive a moment!

Fast forward to today, our pockets hold mini-computers with four cameras, instant connectivity, and a world of information and opportunities at our fingertips. Artificial intelligence is shaping every field imaginable, and countless career paths are waiting to be explored. It's exciting, but amidst all this innovation, it's easy to get lost in the digital whirlwind. Here's the wisdom from a (slightly nostalgic) alumnus: focus on the fundamentals. A strong base in your chosen field will serve you well, no matter how technology evolves. With a solid foundation, you'll be equipped to adapt, innovate, and conquer any trend that comes your way. So, MVITians, embrace the incredible resources at your disposal, but remember – a strong foundation is key to unlocking your full potential. Now get out there and make the most of your college experience (and maybe ration the social media scrolling – Snake was a simpler time, after all)!



Leaving home to pursue my engineering in Bengaluru was a life-altering experience for me. My four years at Sir MVIT from 2000-2004 had a profound impact on my life and career. Following my CET counselling, my first visit to the sprawling Sir MVIT campus was nothing short of awe-inspiring. The beautiful, green campus, along with the excellent facilities, left me deeply impressed. Year after year, as my engineering education advanced, I realized the value of the wonderful professors Sir MVIT had to offer in the ECE and Telecom departments. I was able to develop an excellent personal rapport with a number of my teachers from the department and these bonds helped me in numerous aspects of life. No mention of my Sir MVIT experience can be complete without acknowledging the friends I made during these four years. If the Sir MVIT hostel was a home away from home, then my friends in the college and hostel were no less than family. It has been 20 years since I graduated, but the friendships and bonds developed in the hostel tower over any other friends I have made elsewhere. I have had the fortune to live with a number of these friends in India and abroad after graduation from MVIT, and we have stood strong with each other through thick and thin. I urge all of the current students at this prestigious Institute to make the most of your four years here. Invest not just in your education, but also in creating relationships, as these will last you a lifetime.

**"The bond between an institution and its alumni is timeless, fostering a community that lasts beyond graduation."**

**-Anonymous**





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