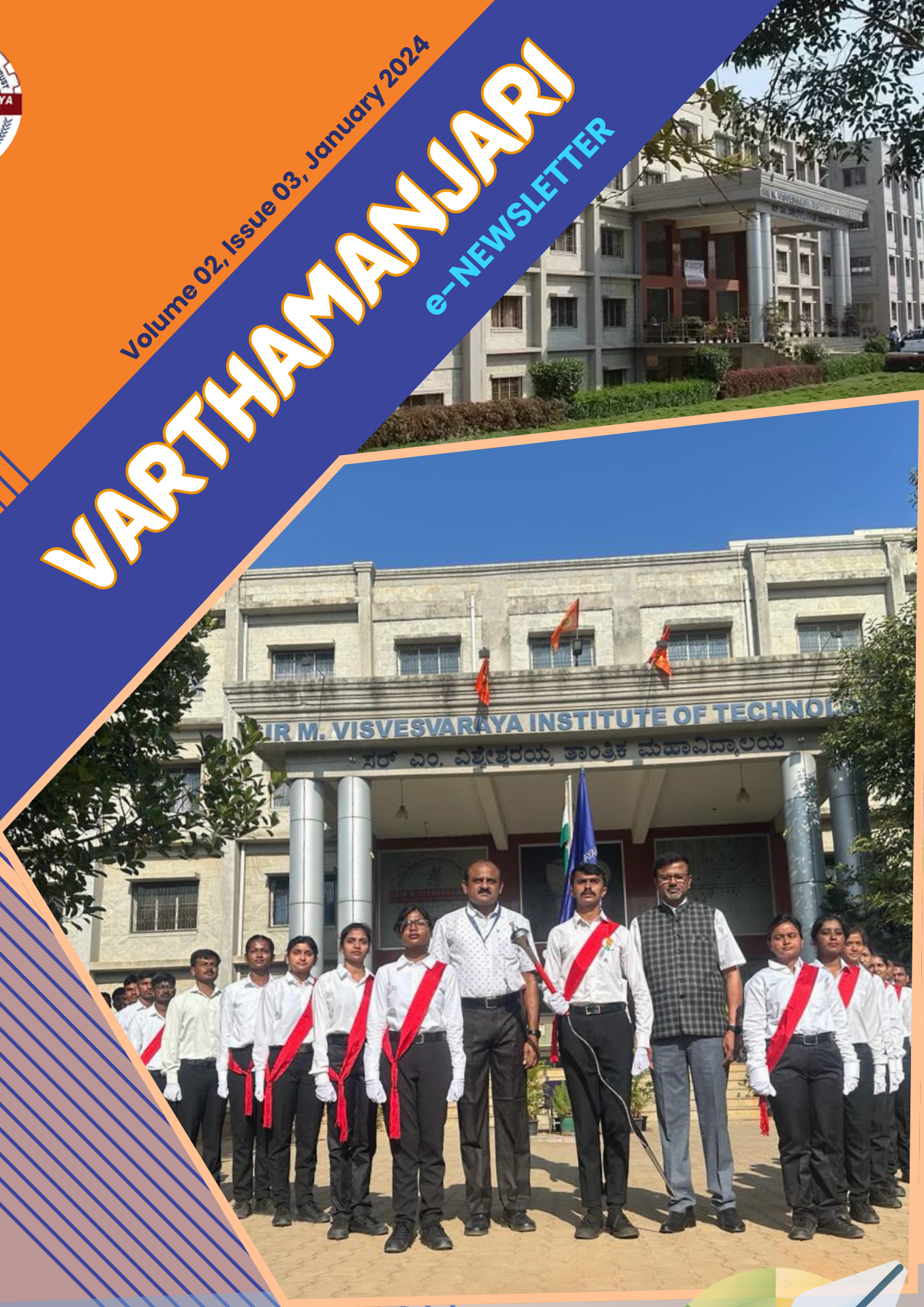




Volume 02, Issue 03, January 2024

# VARTHAMANAJARI

e-NEWSLETTER



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


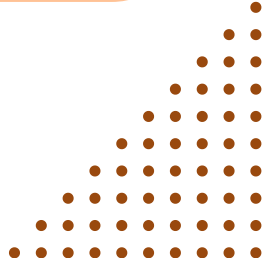




## >>> VISION <<<

- 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, imbining 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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## New Administrative Role

Dr. Prashanth G. K., took charge as the HoD of Chemistry from Dr. G. M. Krishnaiah, with effect from 1st January 2024. Principal Prof. Rakesh S. G. expressed his sincere gratitude to Dr. G. M. Krishnaiah, for his leadership, dedication and significant contributions to the growth of Chemistry department.



## IIC Activities



## Quiz & Idea Pitch Session on “VIKSIT BHARAT 2047”

Institution's Innovation Council organized quiz and idea pitch session on 10th January 2024. The event aimed to encourage students to contribute to the vision of a developed India. The quiz event was conducted across many departments in the offline mode. 147 students participated in the event. Innovate India Next Gen - 2047: Idea Pitch Challenge event was organized on 23 January 2024 in support of “VIKSIT BHARAT 2047”. 20 students from various branches participated in the competition. These events were coordinated by Ms. Tamil Selvi N., Ms. P. Kezia Joy Kumari, Dr. Pradeepa S., Ms. Anitha J., Ms. Ramya N. and Mr. Sriram Mustapure.



## National Start-up Day

The departments of AI&ML, CSE and IoT organized an IIC activity, "National Start-up Day" on 23rd January 2024. The resource person for the event was Mr. Ujwal Kumar, Founder and CEO, Zintlr. The program aimed to encourage and showcase students' interest in business solutions and their creative abilities to become entrepreneurs and lead startup companies. Students were encouraged to interact with the speaker, sharing their innovative ideas and gaining exposure to innovative concepts in computer science. This provided them with a unique opportunity to interact with the young CEO and learn about the opportunities and challenges in entrepreneurship. 100 students of S3 and S5 participated in the event. The event was coordinated by Dr. Soumya Patil, Ms. Mayuri K. P. and Dr. Savita Choudhary.



## National Youth Day



The Department of ISE, in association with the Institution's Innovation Council had organized "National Youth Day" on 12th January 2024, to commemorate Swami Vivekananda's Jayanti. The event took place at Marconi Seminar Hall and aimed to impart innovative ideas and motivation for initiating startups, fostering entrepreneurship among young engineering students and faculty through interactive sessions and insights from resource persons. The resource persons were Mr. Gaurav Kunal, Founder & CEO of Softobotics and Dr. E. Kavitha, Professor & Head, Department of ETE & Innovation Ambassador. 68 students from S1, S3 and S5, along with ten faculty members, attended the event. The coordinators of the event were Ms. Sowjanya Lakshmi, Dr. Sheshappa S. N., Ms. Suguna M. K. and Mr. Vijaya Kumara Y. M.



The Internal Complaints Committee organized an awareness session on "Cervical Cancer" on 24th January 2024 in association with Cytecure Hospital, Bengaluru. Dr. Punyashree R. M., Consultant Gynaec-Oncologist was the resource person.

She highlighted causes and prevention of cervical cancer. She also emphasized on the importance of vaccination and regular health checkups to prevent the cervical cancer incidences. The session was attended by 50 female participants including students and staff members.

## Internal Complaints Committee Event - Awareness Session on Cervical Cancer





## FDP on "Synthetic Biology and Biomimetic Applications"



The Departments of Biotechnology and Mechanical Engineering, with the kind support of Sri Krishnadevaraya Educational Trust, organized a weeklong Faculty Development Program (FDP) sponsored by AICTE, on "Synthetic Biology and Biomimetic Applications" from 8th to 13th January 2024, at Sir MVIT campus, Bengaluru. Dr. B. E. Rangaswami, Registrar of VTU, was the chief guest and Dr. H. S. Subramanya, Director of IBAB, was the guest of honor. Dr. A. C. Chandrashekar Raju, President of Sri KET presided over the inaugural function. The program was also graced by the office bearers of Sri KET.

As part of the FDP, lab sessions related to Molecular Biology and Cell Culture techniques, Bioinformatics, and Bioprocess Engineering were conducted for the participants. Additionally, participants were taken on a site visit to Cytecare Hospitals, where they gained insights into Robotic Surgeries. Overall, the FDP witnessed the participation of more than 60 attendees, with 17 interactive lectures, a site visit and 4 hands-on sessions covering various aspects of synthetic biology and biomimetics. The Dr. Hariharan P. and Dr. Prashanth S. H. were the faculty coordinators of the FDP.





## MoU Signed

Sir M. Visvesvaraya Institute of Technology, Bengaluru, entered into a Memorandum of Understanding with Grahtek on the 9th January 2024 to establish an Industry-Academia relationship focusing on Industry readiness training and certification.



## Auburn University Delegates Visit



A team of delegates from Auburn University, USA visited the institution on 26th January 2024 and interacted with the Management representatives, Principal and Senior Professors of the institute for possible collaboration between the two institutions with regard to research, student and faculty exchange programs, joint funding and transfer of technical knowhow.

Prof. George T. Flower who headed the delegation made a presentation highlighting the facilities available at the Auburn University for researchers and faculty members. The interactions went on for about two hours and lot of ideas were exchanged between the visiting team and the host institution members. The team of delegates was very much impressed with the infrastructure and also took a tour of the campus in the post lunch session.





## The Joy of Giving

To extend the gratitude towards supporting staff of Sir MVIT, the institute had organized "The Joy of Giving" event on 5th January 2024. The event was coordinated by **Spandana**-the social outreach club. A total of Rs. 94,550 was collected through generous contributions from faculty members, staff and students.

The event was graced by esteemed office bearers from Sri KET, President, Dr. A.C. Chandrashekhara Raju, Vice-President, Sri K.V. Sekhar Raju, Secretary, Sri K. Syama Raju and Academic Committee Chairman, Sri G. Prabhakar Raju. The event started at 12.30 PM. Principal, Prof. Rakesh S. G., highlighted the invaluable contributions of these staff in the smooth functioning of ground operations at Sir MVIT. Gifts were presented to all 123 supporting staff members hailing from housekeeping, boys and girls hostel mess and security services. Wardens of Boys and Girls hostel Mr. Elaiyaraja P. and Dr. V. Shantha proactively offered delicious lunch and supported the event for smooth execution. Spandana volunteers played a pivotal role in the success of the event. The event was witnessed by heads of all the departments, faculty members, staff and students. Dr. S.K. Uma, Chair – Kalakaustubha, Prof. K. V. R. Prasad – Co-chair, Kalakaustubha were also present. Dr. Rashmi K.V., faculty mentor-Spandana compered the event and was overall in-charge of the entire event.





>>> GLIMPSES OF THE JOY OF GIVING EVENT





## Makara Sankranti Celebrations

Sir MVIT celebrated Makara Sankranti on 19th January 2024. The preparations began two days prior to the event, with students making all necessary arrangements and decorating the entire quadrangle in the admin block, creating a vibrant festive atmosphere with colorful rangoli and kites. Arrangements for cooking pongal were made with a wood stove and decorated pots. Pongal was cooked by faculty members and distributed to all attendees. A bullock cart was brought in to create the village festival ambiance of the celebrations. Students and faculty members performed folk songs and dances and enjoyed rides on the bullock cart. Pongal prasadam and ellu bella were distributed to all the participants.





»»» GLIMPSES OF MAKARA SANKRANTI CELEBRATIONS







## Ayodhya Ram Mandir Prana Pratishtha Celebrations

The Ayodhya Ram Mandir Prana Pratishtha event was celebrated at Sir MVIT on 22nd January 2024, in the quadrangle of the admin block. The celebration commenced with a pooja at the Sri Vidya Ganapathi Temple on the campus. Students and faculty members performed bhajans, devotional songs and Bharathanatyam dance, describing the virtues of Lord Sri Rama. A live telecast of the Prana Pratishtha ceremony of Sri Bala Rama at the Ayodhya temple was arranged in the CSE seminar hall, providing an opportunity for all devotees to witness the event live. Prasadam was distributed to all participants.





»»» GLIMPSES OF RAM MANDIR PRAN PRATISHTHA CELEBRATIONS





## Republic Day Celebrations

Sir MVIT celebrated the 75th Republic Day on 26th January 2024. The program commenced with a Parade and March Past by students of Sir MVIT, led by Shashidhar of S7, EEE branch, followed by the unfurling of the National flag by Principal Prof. Rakesh S. G., and the National Anthem. Ms. Sneha S., S5, BT, delivered the Republic Day speech. A cultural program by students was organized from 10:30AM to 11:45AM in the CSE Seminar hall. Students from **Sunaada**-the music club of Sir MVIT, sang patriotic songs. Skits on patriotic themes were performed in Kannada and Hindi, by the students of **Hongirana**, the Kannada club and **Rangataranga**, the theatre club of Sir MVIT.





>>> GLIMPSES OF REPUBLIC DAY CELEBRATIONS





FACULTY ACHIEVEMENTS & RECOGNITION

- Dr. H. G. Nagendra delivered an invited lecture on “Synthetic Biology and Drug Delivery Platforms” at the AICTE sponsored FDP on “Synthetic Biology and Biomimetic Applications”, held from 8th to 13th January 2024 held at Sir MVIT, Bengaluru.
- Dr. Jagadeesh Kumar D. delivered an invited lecture on “Integrating Synthetic Biology and Systems Biology in Human Microbiome” at the AICTE sponsored FDP on "Synthetic Biology and Biomimetic Applications" from 8th to 13th January 2024 held at Sir MVIT, Bengaluru. He was also invited as resource person for a 5-Day National online FDP on “Teaching and Learning Methods in Arts and Science”, held during 25th to 29th January 2024, organized by Council for Science and Development(CSD) and Dr. Rajalakshmi College of Arts and Science, Coimbatore, Tamilnadu. The title of the of the talk was “Artificial Intelligence Tools for Academicians and Researchers”. The target audience included faculty, scholars and post graduate students from across South India.
- Dr. Rajendra Singh reviewed a research article titled “Auraptene and Hesperidin Reduce Toxicity of 6-Hydroxydopamine through Modulating Ros Level and Apoptosis in sh-sy5y Cell line; Improving Neurological Disorders and Parkinson’s Disease Treatments”, for the Journal, Current Drug Discovery Technologies, published by Bentham Science. He also reviewed a research article titled “Synthesis and Molecular Dynamic Simulation of Novel Cationic and Non-cationic Pyrimidine Perivatives as Potential g-Quadruplex-Ligands” for the Journal, Anti-cancer Agents in Medicinal Chemistry, published by Bentham Science. He was the resource person at the AICTE sponsored FDP on "Synthetic Biology and Biomimetic Applications", held from 8th to 13th January 2024, held at Sir MVIT, Bengaluru.
- Dr. Sudevi Basu was a special invitee for an interactive session at IIT Madras on 20th January 2024, to commemorate her achievement as an "NPTEL Star" – "NPTEL Domain Scholar." The session aimed to share the experiences and remarkable journey of all the NPTEL Stars with the NPTEL Coordinator, Prof. Andrew Thangaraj, at the T. T. Jagannathan Auditorium of the Centre for Industrial Consultancy and Sponsored Research, IIT Madras.



EVENTS ORGANIZED



The department organized an interactive session on "The Role of Metaverse in Healthcare" on 2nd January 2024. The resource person was Mr. Shashank Sitharam, a Senior Consultant at PWC India, IT consultant and Agile Practitioner. He is an alumnus of Sir MVIT. Mr. Shashank elucidated the opportunities in the Metaverse in healthcare and discussed future prospects. The session was attended by 25 students from S5 and 30 students from S3. Dr. Jagadeesh Kumar D., Associate Professor, was the coordinator for the event.



PATENTS PUBLISHED

Keshavamoorthy R., V. Rajesh Kumar, Akila P., Dr. Parthasarathy, **Tamil Selvi N.**, Dr. S. Ravindran, P. Kezia Joy Kumari and Manjula Subramaniam. "Integrated Deep Learning for Adaptive Smart Energy Management in Urban Environments". Application number 202441000139, 26th January 2024, India.

FACULTY ACHIEVEMENTS & RECOGNITION

- Ms. Anitha J. successfully completed the following courses through MathWorks Training Services.
  - "Curve Fitting Onramp" on 3rd January 2024.
  - "Statistics Onramp" on 30th January 2024.
- Dr. Ravi Kumar H. was an external expert for an Academic and Administrative Audit at he Department of Civil Engineering, BMSIT, held on 22nd January 2024.

EVENTS ORGANIZED



The department organized an awareness program on "Organic Farming" on 27th January 2024, at Sugatta village, as part of the course "Social Connect & Responsibility". This program aimed to educate farmers and the community about the benefits of organic farming and to encourage the adoption of sustainable agriculture practices. 15 students from S3, along with faculty coordinators Dr. Pradeepa S. and Ms. Bhavya S., visited the village. The students emphasized the importance of marketing organic products and provided insights on selling products directly to consumers to ensure fair prices. Additionally, students interacted with farmers and community members, addressing their questions and concerns about organic farming and waste management.



The department organized Skill Development Program on 17th January 2024 at Sir MV Seminar Hall, as the part of the course "Renewable Energy Sources". This program was aimed at enhancing students' understanding of renewable energy sources and foster practical skills in designing, implementing and maintaining renewable energy systems. 59 students of S1 from Computer Science Engineering branch participated to showcase their talents through different models and posters related to renewable energy sources. Ms. Ramya N. was the faculty coordinator of the event.





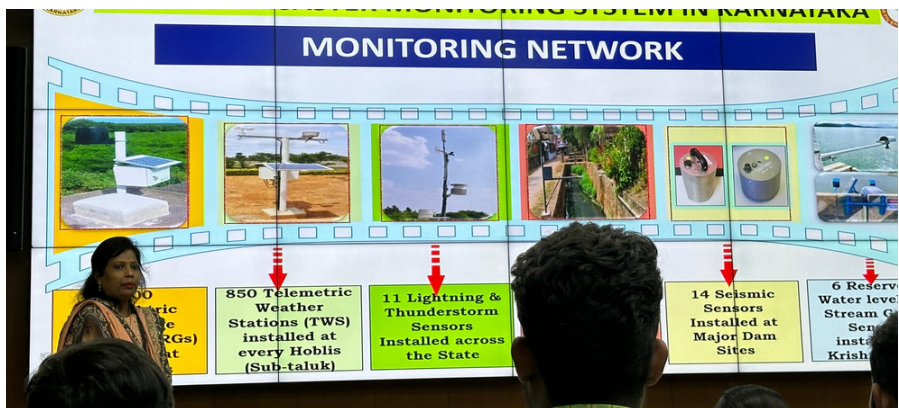
## Project Based Learning Activity



The department organized a Project Based Learning Activity on 17th January 2024 at Sir MV Seminar Hall. This program was aimed at teaching students about the technologies used in renewable energy systems, their advantages and disadvantages and how to install, operate and maintain them. 42 students of S1 from Biotechnology, Computer Science Engineering and Artificial Intelligence & Machine Learning Engineering branches participated to showcase their talents through different models and posters related to renewable energy sources. Dr. Pradeepa S. was the faculty coordinator of the event.



## Visit to Karnataka State Natural Disaster Management Centre



The department organized an industrial visit to Karnataka State Natural Disaster Management Centre Near Yelahanka, Bengaluru on 24th January 2024. This program was aimed at providing students with practical insights into disaster management strategies, foster a deeper understanding of the centre's operations and facilitate learning through real-world examples to enhance their knowledge and awareness of natural disaster preparedness and response. 19 students from S5 took part in the visit. The event was coordinated by Dr. Shivanna S. and Ms. Vyshnavi D. R.



## TECHNICAL EVENTS ATTENDED

| Name of the attendee   | Title of the event  | Organizers details   | Dates                          |
|--|---|--|--------------------------------|
| Ms. Anitha J.<br>Dr. Pradeepa S.<br>Ms. Tamil Selvi N.<br>Ms. Ramya N.<br>Ms. Vyshnavi D. R. | Webinar on “Soil Engineering: Coupled Process and Applications”   | Department of Civil Engineering, School of Engineering, Presidency University, Bengaluru in association with office of International Affairs, Virtual Mode | 24-01-2024                     |
| Dr. Shivanna S.<br>Ms. Vyshnavi D. R.  | Online Short- Term Course on “Challenges in Wastewater, Air and Land Pollution in India”                            | Department of Civil Engineering, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, Punjab<br>Virtual Mode                                    | 12-01-2024<br>to<br>16-01-2024 |
| Dr. Ravi Kumar H.<br>Mr. K. V. R. Prasad   | AICTE Training and Learning Academy’s Faculty Development Program on “Synthetic Biology and Biomimetic Application” | Departments of Biotechnology and Mechanical Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru<br>CSE Seminar Hall                        | 08-01-2024<br>to<br>13-01-2024 |

## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### EVENTS ORGANIZED



### Campus Recruitment Training

The department organized a 3-Day Campus Recruitment Training from 2nd to 4th January 2024. The resource person for the event was Mr. Nithin N., Technical Trainer & Vendor, SST Technologies, Bengaluru.

This program was a comprehensive training module lasting 90 hours, covering preparation for aptitude exams for the initial screening rounds of companies, resume writing, group discussions, personal interviews and more. 120 students from S3 participated in the event. This event was coordinated by Dr. Savita Choudhary, Ms. Mayuri K. P. and Mr. Suraj Kumar B. P.

### JOURNAL PUBLICATIONS

- **Savita Chaudhary**, V. Karthik, R. Shankar, Ayesha Taranum and E. Naresh, “Parameterized Optimization Based on Investigation of Musical Similarities Using SPARK and Hadoop”, SN Computer Science (Springer), Vol. 5, No.78, Jan. 2024, doi.org/10.1007/s42979-023- 02367.



## TECHNICAL EVENTS ATTENDED

| Name of the attendee | Title of the event   | Organizers details  | Dates                          |
|----------------------|--|---|--------------------------------|
| Dr. T. N. Anitha     | 2-week FDP on "Opportunities and Challenges in Entrepreneurship" | JSSATE, Science and Technology Entrepreneurship Park, Bengaluru | 03-01-2024<br>to<br>19-01-2024 |

## >>> DEPARTMENT OF ELECTRICAL & ELECTRONICS ENGINEERING

### PATENTS PUBLISHED

Keshavamoorthy R., **V. Rajesh Kumar**, Akila P., Dr. Parthasarathy, Tamil Selvi N., Dr. S. Ravindran, **P. Kezia Joy Kumari** and Manjula Subramaniam. "Integrated Deep Learning for Adaptive Smart Energy Management in Urban Environments". Application number 202441000139, 26th January 2024, India.

### CONFERENCE PRESENTATION

Dr. R. Sivapriyan presented a paper entitled "Review on Augmented Reality in Civil Engineering Education and Application" at the 2nd IEEE International Conference on "Intelligent and Innovative Technologies in Computing, Electrical and Electronics" organized by BNMIT, Bengaluru on 24th January 2024.

### JOURNAL PUBLICATIONS

Subha R., Nayana B.R., **Rekha Radhakrishnan**, **Sumalatha P.**, "Computational Intelligence for early detection of Infertility in Women", Engineering Applications of Artificial Intelligence, vol. 127, Jan. 2024. doi: 10.1016/107400.

## TECHNICAL EVENTS ATTENDED

| Name of the attendee | Title of the event                   | Organizers details         | Dates                          |
|----------------------|--------------------------------------|----------------------------|--------------------------------|
| Dr. R. Sivapriyan    | AI: From Foundation to Generative AI | AICTE & Edutech Foundation | 22-01-2024<br>to<br>26-01-2024 |

## >>> DEPARTMENT OF ELECTRONICS & COMMUNICATION ENGINEERING

### PATENTS PUBLISHED

Dr. Sasmita Mohapatra. "Non-Invasive Method of Detecting Glucose and Smart Automated Insulin Pen." Application number 202341082444, 5th January 2024, India.



Vani B. P. and **Sundaraguru Ramakrishnan A.**, “Simplified Optimization for Resource Management in Cognitive Radio Network based Internet of Things Over 5G Networks”, International Journal of Electrical and Computer Engineering, vol. 13, no. 6, pp. 6513-6524, Dec. 2023. doi: <http://doi.org/10.11591/ijece.v13i6.pp6513-6524>.

## EVENTS ORGANIZED



### Webinar on “Optisystem Fundamentals and Design Techniques in Communication”

IEEE Photonics Society Student Chapter of Sir MVIT, in collaboration with HR Universal Systems Inc., organized a webinar on “Optisystem Fundamentals and Design Techniques in Communication” on 20th December 2023 in Marconi Seminar Hall.

The resource person of the event was Mr. Amandeep Singh, Product Manager (SAARC), HR Universal Systems Inc. This program was aimed at learning the Optisystem tool, which is used in LRDE, ISRO for optical communication applications. 105 students from S3 and S5 participated in the event. There were 5 external participants from Sai Vidya Institute of Technology. This event was sponsored by HR Universal Systems Inc. This event was coordinated by Ms. Vijayashri V. Belgaonkar and Ms. Vijayalakshmi S.

### Alumni Interaction “Alumni Insights- Navigating Future Paths”



The department organized an Alumni Interaction, “Alumni Insights- Navigating Future Paths” on 13th January 2024. The prominent alumni invited for the event were Ms. Sreedevi C. A., Manager, Software Engineering- Cisco, Mr. Eshwar Prasad KC, Software Engineer-Broadcom Inc., Mr. Mohan Thimmadasaiah, Co-Founder and CTO-Pace Wisdom Solutions, Ms. Gagana T. Reddy, GPU Design Verification Engineer-Intel Corporation and Mr. Hari Kalatheeswaran, System Test Engineer-Continental AG. The event was intended to provide a platform for the interaction between alumni, current students and faculty members of the department to provide the insights on emerging technological trends and inculcate critical thinking and avoid passive learning. A total of 128 students from S3 and S5 attended the event. The event was coordinated by Dr. Sheetal B., Associate Professor and Ms. Seema S., Assistant Professor.





Department organized a field trip to “GKVK”, on 31st January 2024. The objectives of the this trip were to understand the importance of various plant species in cleaning the environment, to learn about the various methods in raising trees, to gain knowledge on the initiatives of the horticulture department towards sustainable agricultural practices, to explore the local culinary practices. 63 students from S3 attended the field trip. Mr. Phanindar Ravi P., Assistant Professor, organized the field trip.

## >>> DEPARTMENT OF ELECTRONICS & TELECOMMUNICATION ENGINEERING

### PATENTS PUBLISHED

Keshavamoorthy R., V. Rajesh Kumar, **Akila P.**, Dr. Parthasarathy, Tamil Selvi N., Dr. S. Ravindran, P. Kezia Joy Kumari and Manjula Subramaniam. "Integrated Deep Learning for Adaptive Smart Energy Management in Urban Environments". Application number 202441000139, 26th January 2024, India.

### TECHNICAL EVENTS ATTENDED

| Name of the attendee       | Title of the event  | Organizers details                          | Dates                         |
|----------------------------|---|---|-------------------------------|
| Dr. E. Kavitha             | Workshop on “Samveshana”                                  | I- Stem<br>IISc, Bengaluru                  | 16-01-2024                    |
| Mr. Faiz Mohammad Karobari | 5th National Level Workshop on “NIRF India Rankings-2024” | Institute of Academic Excellence, Hyderabad | 13-12-2023<br>&<br>14-12-2023 |

### FACULTY ACHIEVEMENTS & RECOGNITION

Dr. E. Kavitha was invited as a resource person by the department of Electronics and Communication Engineering, Sambhram Institute of Technology, Bengaluru, on 25th January 2024. The talk was on “Entrepreneurship and Intrapreneurship Opportunities in ECE”.





## EVENTS ORGANIZED



### Industrial Visit to Obeya

The department organized an industrial visit for the participants of Teleposium 2.0. They were taken to Obeya, a start-up company on 21st January 2024. 40 participants from various semesters and branches actively participated. They gained valuable insights into the operations of a start-up and had discussions on innovation and start-up ideas. Dr. E. Kavitha, Prof. & HoD, coordinated the event.

## OTHER NEWS



### Participation in Walkathon

Students of S3 participated in Walkathon to create awareness on Drug Abuse and Cyber Crime on National Youth Day Celebration, organized by Bangalore City Police on 12th January 2024.

## DEPARTMENT OF INFORMATION SCIENCE & ENGINEERING

### EVENTS ORGANIZED



### Field Visit to Rangoli Gardens

The department organized a one-day visit to Model Heritage Village (Rangoli Gardens) near Jakkur, as part of the course, "Social Connect and Responsibility," on 31st January 2024. The Mahatma Gandhi Rural Energy and Development Institute, functioning under the Department of Rural Development and Panchayat Raj, Government of Karnataka, built this Model Heritage Village to preserve Karnataka's village culture, heritage and goodwill. This program aimed to educate today's generation, especially students born in towns or cities, who may be unaware of the importance of villages, agriculture and the heritage of Karnataka state. It is essential for the students to understand the significance of these cultural aspects and appreciate the meaningful way of life and traditions followed by their ancestors. 120 students from S3 took part in this visit. The faculty coordinators were Mr. Byregowda B. K. and Mr. Vitesh M.



# >>> DEPARTMENT OF MECHANICAL ENGINEERING

## FACULTY ACHIEVEMENTS & RECOGNITION

Mr. Madhu Kumar K., Assistant Professor, has successfully defended his Ph.D. thesis entitled "Development and Property Evaluation of Aluminium Alloy 6082 Reinforced with Micro-Yttria Stabilized Zirconia Particulates Based Metal Matrix Composites Subjected to T6 Heat Treatment", on 11th January 2024. This thesis work was carried out under the guidance of Dr. G. Balakumar.

## TECHNICAL EVENTS ATTENDED

| Name of the attendee                | Title of the event   | Organizers details  | Dates                          |
|-------------------------------------|--|---|--------------------------------|
| Dr. H. S. Yeshvantha                | FDP on "21st Century Teaching and Learning Skills"   | IIT Madras<br>Virtual Mode  | 20-01-2024                     |
| Mr. K. Ejaz Ahmed<br>Mr. Natraja M. | AICTE Training and Learning Academy's Faculty Development Program on "Synthetic Biology and Biomimetic Application " | Departments of Biotechnology and Mechanical Engineering, Sir M. Visvesvaraya Institute of Technology, Bengaluru<br>CSE Seminar Hall | 08-01-2024<br>to<br>13-01-2024 |

## EVENTS ORGANIZED

### Industrial visit to GTTC



The department organized an Industrial Visit to Government Tool Room and Training center, Bengaluru on 4th January 2024. This visit provided students with an insight into the real time working environment, including workstations, plants, assembly lines, machines, systems and also interaction with highly trained and experienced personnel. 31 Students from S3 participated in the visit. This event was coordinated by the following faculty members Dr. V. Shantha, Mr. K. Ejaz Ahmed and Ms. Asha Rani A.







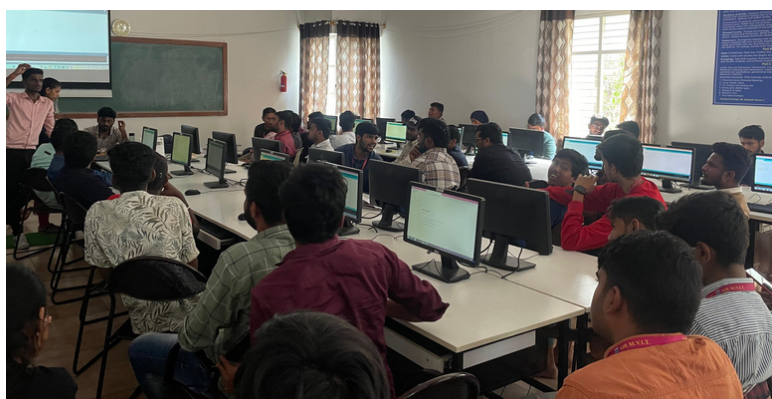
## Visit to IMTEX FORMING



The department organized a visit to IMTEX FORMING-2024 at BIEC-Bengaluru International Exhibition Centre on 23rd January 2024. This program aimed to provide an exposure to students on exhibition and conference facilities, offering services and amenities of the highest quality at par with international standards. The facility, designed with the sole purpose of becoming a preferred destination for international business exhibitions, provided an enriching experience for participants. 46 students from S3 and S5 participated in the visit. Dr. Prashant S. H., Mr. Chandarshekar B., Dr. Janardhana K. and Ms. Veena B. G. were the faculty coordinators.

## Visit to Bengaluru Palace

The department organized a visit to Bengaluru Palace as part of the course "Social Connect & Responsibility" for the students of S3 on 4th January 2024. During this visit, the students had the opportunity to witness art and paraphernalia from a bygone era, as well as experience the grandeur of the palace, which showcases a blend of Tudor and Scottish Gothic architecture. 31 students from S3 participated in the visit. Dr. V. Shantha and Ms. Asha Rani A. were the faculty coordinators.



## Workshop on "IoT with Arduino"



The department organized a workshop on "IoT with Arduino," in association with Pantech E-learning Pvt. Ltd., on 24th January 2024. Mr. Sreenivas, a trainer from Pantech E-Lab, served as the resource person for the event. This program aimed to analyze massive amounts of data, including texts, numbers, photos, audios and videos, and to identify the patterns and form the generalizations. These insights can then be applied to specific applications to generate unique outputs, such as artistic images. The event was coordinated by the following faculty members Mr. S. B. Halesh, Dr. Prashant S. H., and Dr. Yeshvantha H.S., Mr. Chandrashekhar B., Dr. Hanmantraygouda M. B. and Dr. Sampath Kumar L.

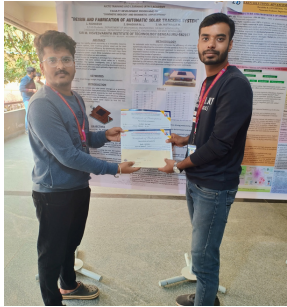


## STUDENTS' ACHIEVEMENTS

Surya K. C. of S5 cycled approximately 350 kilometers from Bengaluru to the Officers Training Academy (OTA) in Chennai on 3rd January 2024 to pay tribute to Lt. Col. E. K. Niranjana for his supreme sacrifice. Lt. Col. E. K. Niranjana was an alumnus of Sir MVIT and an officer of the Indian Army's Corps of Engineers, who displayed exceptional courage and professionalism during the operation to neutralize terrorists, who had attacked the Pathankot airbase, but tragically lost his life in the line of duty.



Rishikesh and Bhaskar M. L. of S7 received a cash prize of Rs. 4000/- for the poster presentation on "Design and Fabrication of Automatic Solar Tracking System" during Faculty Development Program on "Synthetic Biology and Biomimetic Applications", jointly organized by the departments of Biotechnology and Mechanical Engineering on 13th January 2024.



## DEPARTMENT OF MANAGEMENT STUDIES

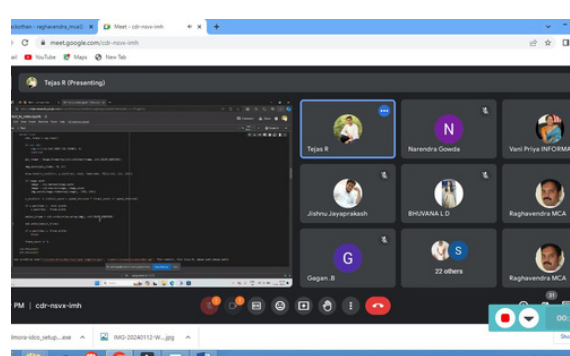
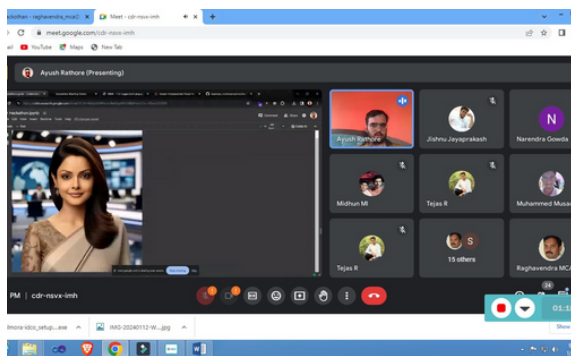
New  
Appointment



Ms. Bhavya Shree joined the department of MBA as Assistant Professor on 1st January, 2024. With 1.3 years of Industry experience, her expertise lies in Finance domain.

## DEPARTMENT OF COMPUTER APPLICATIONS

### EVENTS ORGANIZED



HACKATHON-  
2023

The department, in association with the **Computer Society of India, Sutantra and Institutions' Innovation Council** organized "HACKATHON-2023" on 13th January 2024. Mr. Sagar, Co-founder and Mr. Jishnu Kumar, Machine Learning Engineer, Valuepitch e-Technologies, were the judges and mentors for HACKATHON-2023. The primary objective of this Hackathon was to unite students with technical backgrounds, on a single platform to tackle problems and cultivate innovative ideas. This event enabled participants to refine their IT skills, connect with like-minded individuals in their field and exchange ideas with one another. 37 students from different semesters across all the branches participated in the event. This event was coordinated by Mr. Raghavendra Rao B. G. and Mr. Vasantha S., Assistant Professors in the department.



## Workshop on “Demystifying Project Development - A Roadmap from Problem Statement to Literature Mastery”



The department organized a workshop on “Demystifying Project Development - A Roadmap from Problem Statement to Literature Mastery”, on 31st January 2024. The resource person of the event was Dr. Aparna K., Associate Professor, Department of MCA, BMSIT, Bengaluru. The objective of the workshop was to guide the students to identify the gaps in the existing research and to develop a new perspective on the topic. 46 students from S3 participated in the event. The program facilitated the development of generic skills among students, including teamwork, communication skills, and the ability to identify project topics, through active participation in group discussions. Ms. R. Latha, Associate Professor, coordinated the event.

## >>> DEPARTMENT OF CHEMISTRY

### JOURNAL PUBLICATIONS

- Shobha, N., A. S. Giresha, **Prashanth Gopala Krishna**, Manoj Gadewar, M. Praveen, N. Nanda, Deepdarshan Urs, Dharmappa K.K., Nagabhushana, B.M., Rao, S. and Swamy, M.M., “Anti-Oncogenic Potential and Inflammation Modulatory Response of Green Synthesized Biocompatible Silver Nanoparticles”, *Chemistry & Biodiversity* (2023): e202301533. <https://doi.org/10.1002/cbdv.202301533>
- Renuka, P. H., Srilatha Rao, Padmalatha Rao, and **G. K. Prashanth**, “Corrosion Mitigation of Mild Steel in 1 M HCl acid Using an Expired Drug: An Experimental Approach”, *Inorganic Chemistry Communications*(2024): 111871. <https://doi.org/10.1016/j.inoche.2023.111871>
- Shree S., Smitha, Srilatha Rao, A. S. Sowmyashree, **G. K. Prashanth**, Vidhyashree Kumbala, and T. Aravinda, “Inhibitory Effects of 1-butylpyridin-1-ium Bromide in 0.1 M Sulphamic Acid for Mild Steel”, *Canadian Metallurgical Quarterly* (2024): 1-11. <https://doi.org/10.1080/00084433.2024.2306011>

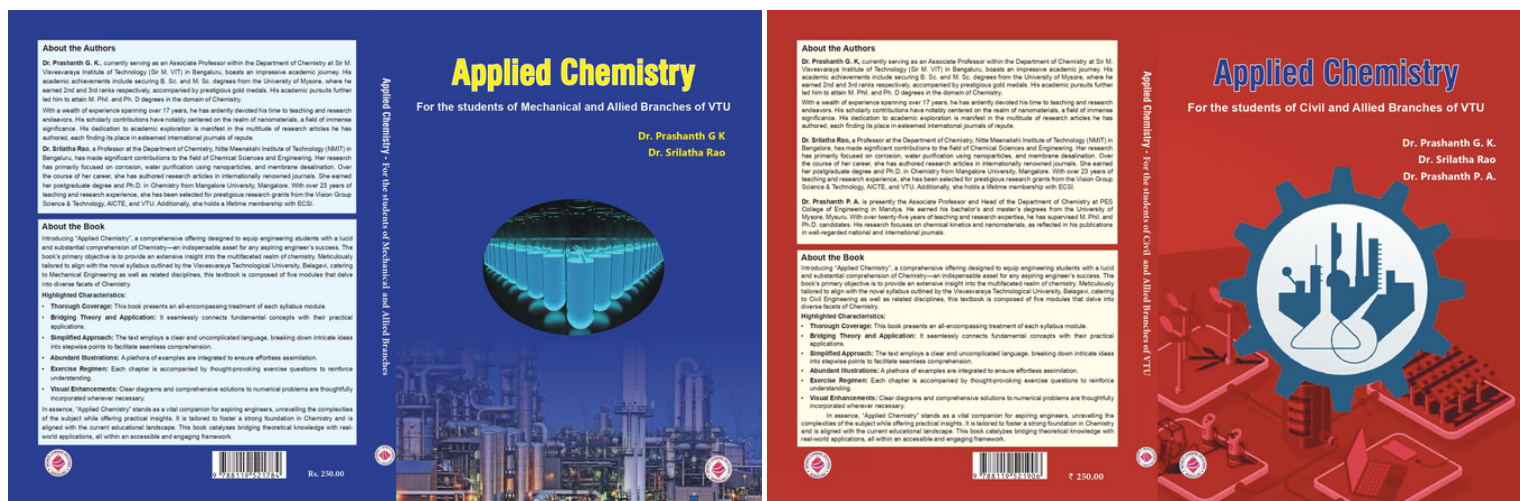


## PATENTS PUBLISHED

Dr. B.S. Surendra, Dr. Mahadeva Swamy M., Dr. Rudresh M., Dr. Bincy Rose Vergis, Shruthi K.S., Dr. Swarna S., **Dr. Prashanth G. K.**, “Sustainable-cost effective and disposable CdFe<sub>2</sub>O<sub>4</sub> NPs-graphite Electrode for Heavy Metal Mercury Detection”. Application number 202441000018, 26th January 2024, India.

## FACULTY ACHIEVEMENTS & RECOGNITION

- Dr. Prashanth G.K. reviewed a manuscript for the journal of Polymers and the Environment, a SpringerNature journal.
- Dr. Prashanth G.K. has authored two textbooks entitled “Applied Chemistry” for the students of mechanical and allied branches of VTU with ISBN: 978-81-19521-78-4 and “Applied Chemistry” for the students of Civil and allied branches of VTU with ISBN: 978-81-1952190-6, published by Infinite Learning Solutions.



## SPORTS NEWS

- Sir M. Visvesvaraya Institute of Technology hosted the Visvesvaraya Technological University's Bengaluru North Division Intercollegiate Men's Cricket Tournament from 2nd to 8th January, 2024.
- The Men's Cricket Team of Sir MVIT secured the 3rd prize in the Bengaluru North Division Intercollegiate Men's Cricket Tournament held from January 2nd to 8th, 2024. The event took place at Sir MVIT.
- The Volleyball team of Sir MVIT qualified to the semi-finals in the Volleyball Tournament held at Atria Institute of Technology on 12th and 13th January, 2024.





## Robotics Workshop

The **Robotics and Computer Vision Club**, under **Sutantra**, organized a basic robotics workshop on 31st of January 2024 in CSE seminar hall. Approximately 50 students from all branches and semesters participated in the event. The resource person for the workshop was Dr. Rajeevlochana G. Chittawadigi, Professor, Department of Mechanical Engineering at Amrita Vishwa Vidyapeetham, Bengaluru. The workshop covered topics such as robotics design, operations and application.



It was a highly interactive session and was appreciated by the students. The workshop was coordinated by Ms. Swetha B. M., the faculty mentor of the Robotics and Computer Vision Club.

## Movie Making Competition

**Sundara Srishti** - the movie making club of Sir MVIT, organized Movie Making Competition on 31st January 2024 in CSE Seminar Hall, in which 10 teams participated.





## T-shirt Designing Competition

**Kalakriti**-The Fine arts Club of Sir MVIT, organized T-shirt Designing Competition on 3rd January 2024, in Science seminar hall, in which 7 students participated.



## Quiz INDI

**Vidya Bharati**-Indian Knowledge Systems Club, Sir MVIT and **Alekhyia**-Literary Club, Sir MVIT jointly conducted a "Quiz Indi" on 24th January 2024, at Science seminar hall, in which 37 members participated.

## >>> ALUMNI CORNER

Mr. Karthik Seshan ( 2003-07 Batch CV), Senior Manager (Policy & Insights), Janaagraha, Bengaluru visited the campus on 13 th January 2024.



**The following alumni of ECE branch visited the campus on 13th January 2024:**

Ms. Sreedevi C. A., Manager, Software Engineering, Cisco (1998-2002)

Mr. Mohan Thimmadasaiah, Co- Founder, CTO, Pace Wisdom Solutions (2007-2011)

Mr. Eshwar Prasad K. C., Software Engineer 4, Broadcom Inc., (2011- 2015)

Mr. Hari Kalatheeswaran, System Test Engineer, Continental AG (2018-2022)

Ms. Gagana Thimma Reddy, GPU Design Verification Engineer, Intel Corporation (2016-2020)



## >>> ALUMNI SPEAK



**Naveen Kamplikar**  
**2002-2006 CSE**  
**Vice President, Sr Lead Software Engineer**  
**J.P. Morgan Chase & Co Bank, Singapore.**

I am thankful to the Prof. K.V.R. Prasad and the faculty for providing an opportunity to pen my thoughts and experience of my bonding with Sir MVIT. In the monsoons of 2002, coming to Bengaluru from my small hometown, Koppal in northern Karnataka, was a dream come true for me. Studying at Sir MVIT was also my first experience living outside and away from my home. I was nervous during my first semester, as I came from a Kannada medium school background, but my lecturers, teaching and non-teaching staff along with my classmates made it feel like home away from my home. Each and everyone I met at the campus were very friendly, nice and humble towards me. Since I had required hostel facility to stay at, the one I got was one of the best hostel lives one could ask for. When it comes to hostel canteen's food, quality and the cleanliness were remarkable and I still share the stories with my friends and colleagues. The lecturers, professors from Physics and Chemistry departments during the first year, treated me as if I were the part of their department, even though, I was from CSE. I appreciate the extra hours, our lecturers spent to clarify the concepts and helping me to catch up the teaching pace in graduation colleges. One of my favourite classes during the studies was of Mrs. Suma Swamy's, I would say she was one of my best teachers in the college life. I am happy to say I was blessed to study in Sir MVIT, as I made real good friends for life. The opportunities provided at my college were highly competitive, comparable to those in top-ranked colleges across the country, whether it was the tech fest, cultural fest, or Microsoft Campus Connect during 2004-2005. Labs were equipped with advanced materials and computers, which were helpful in studies as well as to prepare for the exams. My batch of 2002-2006 was also provided with ample opportunities during the campus placements. With the right guidance and support from the placement cell, I could land a competitive and respectful job. I am thankful to all the teaching and non-teaching faculty of Sir MVIT, who made me, what I am today. Overall, my college life was more than a golden life at Sir MVIT and I always want to come back to the campus to re-create those unforgettable memories. **-Naveen Kamplikar**

**Sri Kiran Bodapati**  
**2000-04 ME (4th Rank VTU)**  
**Director, Technical Program Management**  
**Capital One Financial Corporation- Seattle, Washington, United States**



I walked into Sir MVIT in the year 2000, as a young 17-year old, trying to find my mark to catapult my career. Mechanical Engineering and my love for problem solving in general, turned out to be the right spot for me to land. I am indebted to Sir MVIT for shaping my thoughts and building the foundation of several important milestones in my career. The faculty and staff, including the superior laboratories, gave me the hands-on feel approach to learn the fundamentals of engineering. In today's world, practical applications of knowledge holds greater importance than theoretical wealth amassed. Sir MVIT was the first of its kind in the VTU region, to not only build superior infrastructure for the labs in core engineering areas, but also provide the resources with computers, high-speed internet and many other technological advancements, which we now take for granted as table stakes in the year 2024. The visionary approach of the management and leadership, to invest in these facilities, have truly born the fruit of being a magnet in social gratification for the young adults who embark on this journey of engineering discipline. The faculty in Mechanical Engineering were renowned leaders in the VTU and having been exceptional in not only delivering superior lectures, but also bringing in industrial perspectives in teaching. I was privileged to have the support of several eminent faculty, a few of whom, not only helped unblock the doors of destiny to higher education in the United States for me, but also held a high quality bar in academic excellence. The training and placement cell has been another unique feature in the cap of Sir MVIT's regional prominence. Sir MVIT has truly continued to be a leader in achieving academic excellence through the expansion of several new programs in engineering and other work streams. I continue to hear amazing inspired stories of young students, achieving the pinnacle as leading rank holders in VTU examinations and this by no means is a surprise to me, as it embodies a testament to the academic excellence that is offered in the college. My best wishes and regards to all the faculty, students and staff at Sir MVIT, and I sure hope that you continue to be the beacon of hope for many young careers for many years to come. **-Sri Kiran Bodapati**



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**Dr. Rashmi K. V.**      *Assoc. Professor, Dept. of Biotechnology*

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|                                       |                                      |   |
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