DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

NEWSLETTER

SMVITM

VOLUME: 10   ISSUE: 1

JANUARY 2024 – JUNE 2024

Volume: 10   Issue 1

AY: 2024-25

CHIEF EDITOR

Dr. Soumya J. Bhat
HoD, CSE

CO-EDITORS

Ms. Babitha Poojary
Assistant Professor

Ms. Pooja V
Assistant Professor

Mr. Deepak Rao
Assistant Professor (Sr)

Our Vision

To be recognized as a center of excellence in the field of Computer Science and Engineering imparting holistic education catering the needs of the society.

Our Mission

- Impart knowledge by providing a healthy learning environment.
- Encourage the zeal to be updated in technology front and abide by ethical and moral values.
- Engage in result oriented research and innovation to cater the societal needs.

In This Issue

SMVITM

Message from HoD

Greetings from the Department of Computer science and Engineering! On behalf of faculty members, staffs and students of the department of computer science and engineering, SMVITM, I welcome you all for the creative world of CSE. I personally believe that CSE discipline has been generally accepted as an important source and technique for enhancement in all realms of human life, both now and in the future. In the department, every student is given the chance to participate in their academic activities.

This is the department where graduates publish articles in the most reputed international journals, while at the same time, students are encouraged to gain some recognition through extra-curricular or co-curricular activities. The department is associated with several associations like IEEE, ISTE etc, through that students will get a great platform to exhibit their talents. Students are expected to pursue ambitious assignments and to publish their work in different international journals. All students are taught to pursue an ideology that does not place limitations on their abilities to learn. The submissions of our students to numerous academic forums have demonstrated the earnest efforts of their professors at several stages. The Department puts a great focus on delivering practical education by properly handling the proper lab work to supplement their theoretical understanding. At the department, professors are committed to training students for a more substantial challenge ahead and nurturing them to create a solid base for the next step so that they can even exceed teachers and become more valuable to society.

About the Department

Today, most of the real world activities and fields, right from calculations to space exploration are being computerized as the operations can be much faster and error free with the computer applications. This has resulted in an increased demand for skilled and competent professionals in the computer engineering sector. To cater to this, the Department of Computer Science & Engineering was established at SMVITM in 2010, offering Bachelor of Engineering course with an intake of 60 students per year. The intake was raised to 120 students from the academic year 2012-13 and to 180 from the academic year 2022-23. The Department aims at training the students to be industry- ready by the end of their course through regular curriculum as prescribed by the University and also with supplementary programs, throughout their study.

The Department of Computer Science & Engineering is one of the much sought after departments at SMVITM. The Department has well qualified and motivated faculty members who are highly

committed to the overall development of the students.

Along with the regular curriculum, the Department organizes various guest- lectures/invited talks by eminent faculty from reputed institutions/industry experts to keep students up-to-date about the latest technological developments. In addition to this, there are some eminent academicians appointed as Adjunct Faculty with the Department to supplement teaching, mentoring and guiding the students as well as the faculty members and also to promote research culture in the Department.

The Department has state-of-the-art laboratories equipped with high-end computers and other required peripherals to meet the academic needs of students. The Department has the most sophisticated and state of the art computer labs aimed at giving hands-on training to the students in the most advanced areas in programming and software development. In addition to the existing labs, an internet lab as a central facility is being developed.

PEO's Program Educational Objectives

- PEO 1: The fundamental knowledge in Computer Science and Engineering to work in diverse fields of Computer Science and Engineering Industry.
- PEO 2: Ability to express and demonstrate the technological skill-set to arrive at a solution to the real-world problems
- PEO 3: Be effective contributors in a team, for multidisciplinary projects with effective interaction amongst peers.
- PEO 4: The zeal of being updated in technology front through continuous learning.

PO's Program Outcomes

- PO 1   Engineering knowledge: Apply the knowledge of mathematics, science,
- engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
- PO 2   Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.
- PO 3   Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.
- PO 4   Conduct investigation of complex problems: Use research-based knowledge and

research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

- PO 5 Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

- PO 6 The engineer and society: Demonstrate the ability of using acquired knowledge to analyze and solve societal issues.

- PO 7 Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

- PO 8 Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

- PO 9 Individual and team work Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

- PO 10 Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

- PO 11 Project Management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

- PO 12 Life-long learning: recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcome

- PSO1: Be able to design, implement, test and evaluate a computer system, component or algorithm to solve a real world problem using appropriate data structures.

- PSO2: Be able to successfully adapt to the changes in the field of computer science & engineering for both personal and professional growth.

❖ *Talk on - LinkedIn Optimization*

Department of Computer Science and Engineering in association with ISTE student chapter, Code Troopers Club, IEEE student branch and Alumni cell jointly organized a talk on "LinkedIn Optimization" on 1st January 2024.

Alumni of SMVITM, Mr. Yajnesh who is currently working as Software Developer, Nobel Software Systems, Bengaluru was the resource person for the event.
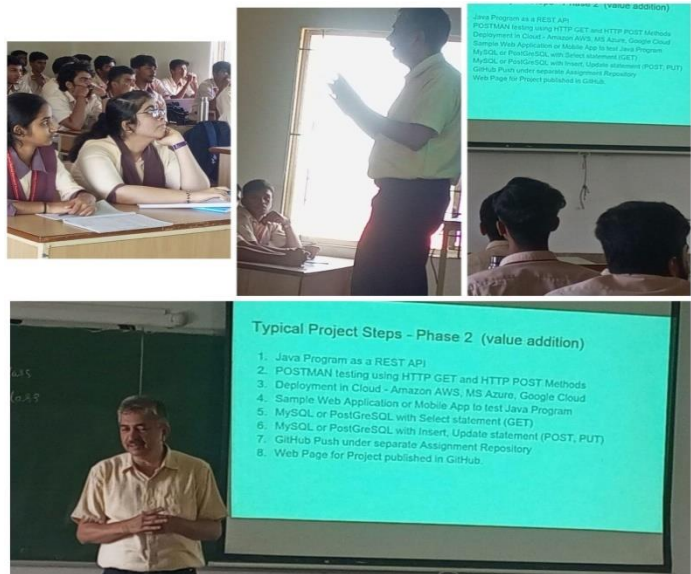
He spoke about LinkedIn profile creation and its significance and advantages. He also focused on usage of chatGPT and other AI tools for optimization of LinkedIn profile. The event was conducted in Seminar Hall 2, Library Block from 12.00 PM to 01.00 PM. A Total of 130 students from different sections/semesters attended the session.

Mr. Shridhar, student, 4th year CSE and Ms. Kathyayini Kamath, student, 3rd year CSE were coordinated the event. Dr. Soumya J. Bhat, Head, Department of CSE, Mr. Raghavendra I Hegde, Sr. Assistant Professor, Dept of CSE were present during the event.

❖ *Talk on application building using JAVA*

On the 11th and 12th of January 2024, the Computer Science and Engineering (CSE) department hosted a guest lecture by Mr. Chandrashekar Rao Kuthyar. The talk was specifically tailored for 3rd-semester students, focusing on key aspects crucial for their transition into the professional world of software development.

Topics Covered:

> Uses of GitHub: Mr. Chandrashekar initiated the talk by shedding light on the indispensable role of GitHub in modern software development. He elaborated on the significance of version control, collaborative coding, and the advantages of using GitHub for project management.

> Industry Requirements for Beginners: The speaker delved into the essential skills and knowledge that beginners should acquire to meet the demands of the industry. This included insights into prevalent programming languages, tools, and frameworks used in the current tech landscape.

> Current Trending Software: Students were informed about the latest and trending software in the industry. This section of the talk aimed to keep the students abreast of the dynamic nature of technology, encouraging them to stay updated with the latest advancements.

❖ *Talk on Career Opportunities in Cloud Computing*

A talk on "Career Opportunities in Cloud Computing" held on January 31, 2024, organized by department of Computer Science and Engineering in association with ISTE student chapter, IEEE student branch, Co-Curricular Committee, Placement Cell and Alumni Cell was a valuable session for students aiming to

pursue a career in the field of cloud computing.

The distinguished speaker for the day was Mr. Rahul Thantri, alumnus of SMVITM and an accomplished professional, who is currently working at Siemens in Germany.

The session shed light on various aspects of cloud computing and highlighted significant opportunities within the industry.

Mr. Rahul Thantri commenced the session by providing a comprehensive overview of cloud computing, elucidating its various models (Infrastructure as a Service - IaaS, Platform as a Service - PaaS, and Software as a Service - SaaS) and deployment types (public, private, and hybrid).The speaker emphasized the growing significance of cloud computing in the corporate world, illustrating how businesses across sectors are leveraging cloud services for enhanced scalability, flexibility, and cost-effectiveness. He also shared insights into the myriad career opportunities available in the field

The event was held in the Admin Block seminar hall from 09.45 AM to 11.00 AM. A formal function was held in the beginning. Principal Prof. Dr. Thirumaleshwara Bhat spoke about the significance of such sessions and urged the students to make best use of it.

Student Mr. Aditya Deshapande invoke the almighty with a prayer. Vice Principal Prof. Dr. Ganesh Aithal, HOD of CSE Dr. Soumya J Bhat, Adjunct Faculty Mr. Chandrashekhara Rao Kuthya and other faculty and staff members of CSE were present during the event. Student Ms. Kathyayini Kamath was the master of ceremony and also presented the vote of thanks.

❖ *Webfolio Cohort*

The Webfolio Cohort, aimed at creating and deploying a portfolio website for 2nd and 3rd-year students, was conducted in three batches on 11 January 2024, 25 January 2024, and 1 February 2024, respectively, in Shri Madhwa Vadiraja Institute of Technology and Management College Lab CC1 and CC2. A total of 89 participants attended.

The workshop covered setting up the development environment, understanding HTML, CSS, and JavaScript essentials, domain registration and hosting, live deployment using platforms, and receiving personalized advice on leveraging portfolios in job applications.

Eighty-nine students from the Computer Science and Engineering, Artificial Intelligence and Data Science, and Civil Engineering departments attended the cohort.

The workshop was conducted by Anuswar, Smitha, Vishwas, Akshay Kumar, Swasthik, and Karan under the guidance of Soumya J Bhat, Deepak Rao M, Sadananda L, Raghavendra Hegde, Chaitra Bhat M, and Renita Sharon Monis.

❖ *Overview of Infosys Springboard.*

On 15th February 2024, a Springboard session was conducted at Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal. The session was organized by the Department of Computer Science and Engineering in association with ISTE, IEEE, Co-Curricular, and Placement Cell.

The purpose of the session was to introduce students and faculty members to the benefits of Infosys Springboard courses. Ms. Aishwarya Rajeev, Senior Analyst – Learning at Infosys, graced the occasion as the chief guest.

During her session, she emphasized the importance of Infosys Springboard courses for both students and faculty members. She provided guidance on how to register, join, and access the courses throughout the session.

Dr. Thirumaleshwara Bhat, the Principal of SMVITM, delivered the presidential address. He encouraged students to take advantage of the session and update their skills. He also expressed gratitude to the resource person for their contribution to the event. The program commenced with an invocation by Ms. Chitkala, a second-year CSE student. Ms. Natasha Lobo, also a second-year CSE student, efficiently served as the Master of Ceremony, facilitating the smooth flow of the event.

❖ *FOOD FEST event as a SCR activity*

On 19th February 2024, a food fest conducted as a Social Connect and Responsible activity at Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal. This event was organized by the 3rd semester SCR coordinator of section A, B and C with respect Ms. Preethi, Ms. Reshma and Mr. Raghavendra Hegde, Assistant professor, CSE.

The purpose of the session was to an attempt to raise awareness among students about the benefits of millets, organic food and avoid the junk food. Our students prepared variety of dishes, different varieties of Panaka, sweets, churmuri, some fruit dishes and different chats items etc.
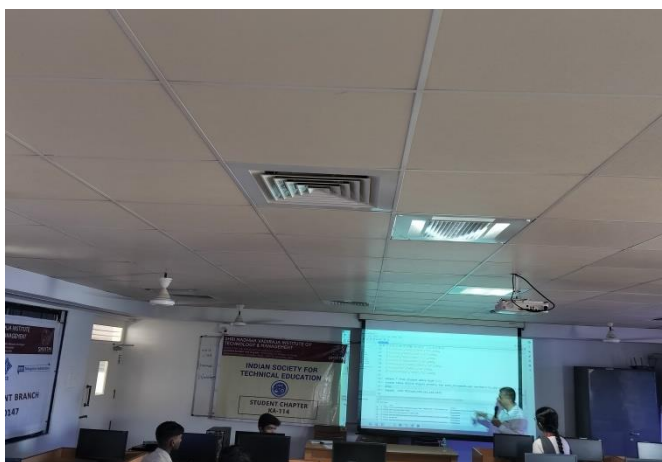

Our faculties Ms. Sahana Karanth and Mr. Raghavendra G. S. from the Computer Science and Engineering department, and Mr. Sachin Prabhu from the Electronics and Communication Engineering department were invited as judges for this event.

❖ *Workshop on Guidelines for Real time projects*

Department of Computer Science and Engineering, in association with ISTE student chapter, Placement Cell and IEEE student branch jointly organized a Hands on workshop on 'Guidelines for Real time projects' on 17th Feb 2024, 9.30 AM to 01.00 PM at CAED lab Admin Block SMVITM.

Mr. Chandrashekhar Rao Kuthyar, Lead Consultant, SangamOne connected services, Adjunct Faculty SMVITM was the resource person. He conducted a hands on session for of 5th Semester Computer Science and Engineering students about the database queries, analytics and maintenance, significances of various platforms for web and app development. He also gave the insights on OTP generation in banking system for all kinds on financial and non-financial transactions.

HOD of CSE Dr. Soumya J Bhat, ISTE Department coordinator for CSE Mr. Raghavendra Hegde, Placement Coordinator for CSE Mrs. Chaitra Bhat were present during the event.

Student Ms. Kathyayini Kamath was the master of ceremony and also presented the vote of thanks.

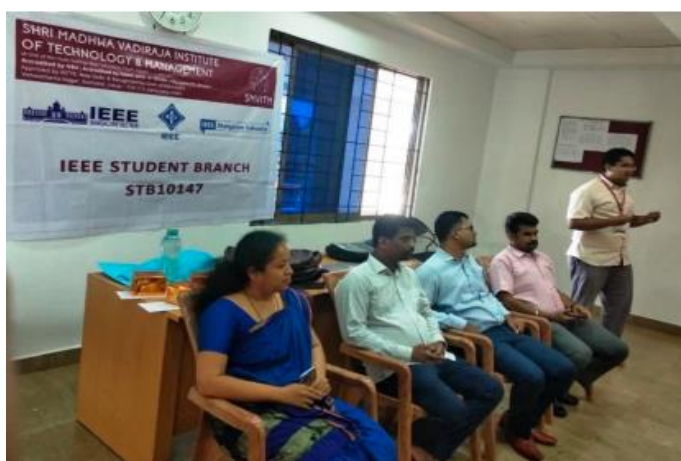## ❖ *One Day Workshop on Web Scraping for Data Analytics*

On 26 February 2024 along with ISTE Student Chapter and IEEE Student Branch of SMVITM, the Code-troopers Club of Department of CSE organized One-day workshop on "Web Scraping for Data Analytics" in the computer center 3, Admin block of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.

Dr. Prathviraj N., Associate Professor, Mr. Raghudathesh G P, Assistant Professor – Senior Scale and Mr. Samarendranath, Assistant Professor – Senior Scale, faculty from Manipal School of Information Science (MSIS), MAHE, Manipal were the resource persons for the workshop.

The workshop started at 9.45 AM with the introduction of the resource persons to the participants by the coordinator of the event Mr. Deepak Rao M. This was followed by the first session by Mr. Samarendranath, where he gave a brief overview about various programs offered by MSIS, MAHE, Manipal and about their outreach program for the students of various colleges. The second session was on the introduction to web scraping by Dr. Prithviraj N.

Mr. Raghudathesh G P handled the post lunch session were he conducted a hands-on demonstration of using scrapy tool in Spyder IDE under the Anaconda framework for web scraping for data analytics.

The workshop ended with the valedictory ceremony where Dr. Soumya J. Bhat, Head Department of CSE felicitated the resource persons on behalf of the college and thanked them for organizing the useful workshop for the students of the department.

❖ *FDP on Full Stack Development with Python-Django*

The Faculty Development Programme on Full Stack Development with Python-Django, organized by the Department of Computer Science and Engineering in collaboration with the Indian Society for Technical Education, took place from May 6th to May 10th, 2024.

Mr. Chandrashekar Rao Kuthyar, Lead Consultant at SangamOne Connected Services Pvt. Ltd., was the resource person. The program aimed to equip participants with comprehensive skills aligned with the VTU syllabus (21CS62) and the demands of the industry.

The immersive training provided hands-on experience in web development using Python Django, addressing the pressing need for proficient developers in this field. Through theoretical instruction and practical sessions, participants delved into responsive design, database management, and rapid application development.

The valedictory program, held on May 10th at Computer Center 3 of the Computer Science & Engineering Department, featured an address by Mr. Chandrashekar Rao Kuthyar, emphasizing the importance of hands-on project work to solidify understanding of full stack web concepts.

Dr. Soumya J Bhat, Head of the Department of CS&E, proposed the vote of thanks. Ms. Preethi, Assistant Professor, served as the master of ceremony, and Ms. Savitha A Shenoy, Senior Assistant Professor, coordinated the program.

❖ *CareerXcel-Skills to Success*

The Department of Computer Science and Engineering in collaboration with Training and Placement Department and Code Troopers Club of Computer Science Department organized a Talk on CareerXcel-Skills to Success for 2nd and 3rd year CSE students.
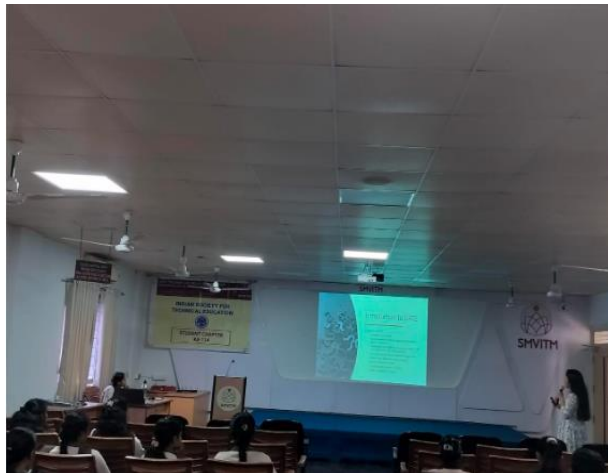

This session was conducted on 14th May 20234 Mr. Pushpendra Singh CEO and Co-Founder of Golden Bird International, Dubai was resource person for the talk.In the talk Mr. Pushpendra Singh mentioned about skills that are very essential for an engineering student to perceive his dream career. The company Golden Bird helps the students to hone up their skills and get their dream job. Golden bird is a EdTech platform helping students to excel in their skill ultimately making them job ready.

They provide a three-tier training program:

➢ Technical training: Where students will be trained in python, full stack java etc. Students will develop live projects which will be hosted as apps in play store.

➢ Nontechnical training: Students will be trained to use some AI/ML tools like ChatGPT to make the best use of these tools.

➢ Internship: Student will be guided to build projects. They also will be guided by mentors who are working for top notch companies. The internship provided by Golden bird has a duration of 15.5 weeks and have flexible timing helping students to attend this internship along with their academics.

 Ms. Chaitra Bhat and Mr. Deepak Rao and Mr. Raghavendra GS from Computer Science department coordinated this session.

❖ *Roadmap to GATE Preparation*

A talk on "Roadmap to GATE Preparation" held on May 24, 2024 organized by department of Computer Science and Engineering in association with ISTE student chapter and Alumni Cell was a valuable session for students aiming to pursue masters through GATE.

The distinguished speaker for the day was Ms. Shrutha V Bhat, alumnus of SMVITM who has cleared GATE in 2023 and currently pursuing MTech at MIT Manipal.

The session shed light on various aspects of GATE exam and highlighted significant opportunities in public sector. Ms. Shrutha V Bhat commenced the session by providing a comprehensive overview, steps for online application and important dates for GATE 2025. Being an alumnus of the college and currently pursuing MTech at MIT Manipal, provided a unique perspective on how to stick with a time table in the third year of engineering for the upcoming GATE exam preparation.

The speaker concluded by offering valuable advice to students interested in pursuing masters and also gave insights on job opportunities in GAIL, SAIL, BHEL, ISRO, DRDO and many notable public sector units through GATE.

The event was held in the Admin Block seminar hall from 02.00 PM to 03.00 PM on 21 May 2024. HOD of CSE Dr. Soumya J Bhat Student, ISTE Coordinator for CSE Mr. Raghavendra Hegde and ISTE Institutional Coordinator Mrs. Shashikala were present during the event. Student Ms. Kathyayini Kamath was the master of ceremony and also presented the vote of thanks

❖   *Hands-on Workshop on Git and GitHub for First-Year Students*

A hands-on workshop on Git and GitHub was conducted for first-year students across various sections to introduce them to version control systems and collaborative coding practices.

The sessions were organized by the Computer Science Department and aimed at equipping students with essential skills for their academic and professional growth. The workshop was conducted on different dates for different sections. It was held on 7th,8th and 9th may 2024 for A,B and C sections respectively.

❖ *A hands-on workshop on SQL*

On 21st and 22nd of June 2024, The Placement Cell of the Computer Science and Engineering (CSE) Department, in collaboration with IEEE, ISTE and the Alumni Cell, organized an engaging and informative two-day SQL workshop. This workshop aimed to provide students with a solid foundation in SQL and web development, enhancing their technical skills and preparing them for future challenges in the field.

The first day of the workshop focused on the basics of SQL queries, providing students with the essential knowledge on how to manage and manipulate databases. Participants were introduced to XAMPP, a powerful tool that integrates Apache, MySQL, PHP, and Perl, which is crucial for setting up a local web server.

This session was expertly coordinated by Mr.Vikram Thunga, an esteemed alumnus, along with Mr.Vikram Bhaskar Poojary, Ms.Pooja V, Ms.Kathyayini Kamath, and Ms.Apoorva, all from the 6th semester of the CSE department. Their guidance and support ensured that the students had a comprehensive learning experience, covering both theoretical aspects and practical applications.

The second day delved deeper into PHP, building on the foundation laid the previous day. This session aimed to equip students with advanced PHP skills, enabling them to create dynamic and interactive web applications. The day was coordinated by a dedicated team consisting of Mr.Vikram Thunga, Mr.Shridhar Sherugar, and Ms.Chandana, all alumni of the CSE department, along with Mr.Vikram Bhaskar Poojary, Ms.Pooja V, Ms.Kathyayini Kamath, and Ms.Apoorva from the 6th semester of the CSE department.

A highlight of the second day was an interactive quiz event that added an element of fun and competition to the workshop. Students enthusiastically participated, demonstrating their newly acquired knowledge. Harshith Raju, a student from the 4th Semester A Section, emerged as the winner, showcasing his understanding and quick thinking.

The workshop concluded with a closing ceremony graced by Ms.Soumya J Bhat, the Head of the Department of CSE.. During the ceremony, mementos and appreciation letters were handed over by the HOD to the coordinators and alumni, acknowledging their hard work and contribution to the success of the event.

The event was brought to a close with a heartfelt vote of thanks delivered by Ms.R Soundharya, an Assistant Professor of CSE, who expressed gratitude to all the coordinators, participants, and organizers for making the workshop a resounding success.

Ms.Chaitra Bhat and Mr.Raghavendra GS from the Computer Science Department coordinated this session.

Placed students of 2023-24

Sl. No.	Name of the Company	Name of the Student	Position
1	AMIGO Softcom Llp., Gurgaon, Haryana	Karthik Shanbhag	Software Development Engineer - Intern
2	Robosoft Technologies Pvt. Ltd., Udupi	Gajendra S Kundar	Trainee Software Engineer
3		Rathan R Nayak	Trainee Software Engineer
4		Venkatesh Bhat	Trainee Software Engineer
5	Juego Studios Pvt. Ltd., Bengaluru	Sheikh Mohammed Shuhood	Trainee Software EngineerLevel 2
6		Shetty Sainath Bhaskar	Trainee Software EngineerLevel 3
7	Trianz, Bengaluru	Bhavana Radhakrishna Bhat	Software Engineer
8		Dheeraj Kumar	Software Engineer
9		Manvitha Bhat	Software Engineer
10		Naveen	Software Engineer
11		Naveen Krishna Gond	Software Engineer
12		Shadwal C Rao	Software Engineer
13		Shetty Sainath Bhaskar	Software Engineer
14		Shravya	Software Engineer
15		Sindhura	Software Engineer
16	Mangalore Infotech Solutions Pvt. Ltd., Mangalore	Karthik Shanbhag	Software Engineer
17		Shadwal C Rao	Software Engineer
18		Shridhar	Software Engineer
19		Chandana	Software Engineer Intern
20		Clinton Justin Noronha	Software Engineer Intern
21	Rinex Technologies Private Limited Mangalore	Ruha Asmi	Inside Sales Strategist
22		Adarsh p patil	Inside Sales Strategist
23	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru	PRATHIBHARANI	Software Engineer - Trainee
24		Raksha	Software Engineer - Trainee

Sl. No.	Name of the Company	Name of the Student	Position
25	Mangalore Infotech Solutions Pvt. Ltd., Mangalore	Mohamed Sanan	Software Engineer Intern
26		Prathibharani	Software Engineer Intern
27		Royston Simon D'almeida	Software Engineer Intern
28		Sheema Salah Shaikh	Software Engineer Intern
29		Sherigar Pradwin Madhava	Software Engineer Intern
30		Shreyas Prabhu	Software Engineer Intern
31		Sourav	Software Engineer Intern
32		Sudheendra Prabhu	Software Engineer Intern
33		Manvitha Bhat	Software Engineer Intern
34	Kambala Solutions Pvt. Ltd., Mangaluru	Aaron Sharon Dsouza	Software Engineer
35	Hewlett Packard Inc, Bengaluru	Raksha	Software Engineer - Trainee
36	Chegg India Pvt. Ltd., New Delhi	Ankitha Nayak	Managed Network Expert
37		Karthik Shanbhag	Managed Network Expert
38		M Rashmi Maiya	Managed Network Expert
39		Mamata Hadimani	Managed Network Expert
40		Prathibharani	Managed Network Expert
41		Shravya K Mendon	Managed Network Expert
42		Aaqib Khan	Managed Network Expert
43	Academor, Bengaluru	Ankitha Nayak	Business Development Executive
44		Ashwith R Poojary	Business Development Executive
45		Prithviraj ShridharBhat	Business Development Executive
46		Bhoomika K Baadkar	Business Development Executive
47		Deepti	Business Development Executive
48		Dhrishya Shetty	Business Development Executive
49		Missbah Banu Muneer	Business Development Executive
50		N Pranava	Business Development Executive
51		Peter Caetano Joao	Business Development Executive
52		Sanjana Kv	Business Development Executive
53		Sumith Naik	Business Development Executive

54		Adithya M Acharya	Intern
55		Bhoomika K Baadkar	Intern
56		Gajendra S Kundar	Intern
57		Harsha Sridhar Kundar	Intern
58	Palle Technologies, Bengaluru	Peter Caetano Joao	Intern
59		Pratheek P Nayak	Intern
60		SHRIRAKSHA	Intern
61		Swaroop Kumar	Intern
62		Vijayakumara Girimalla Biradara	Intern

Faculty development Program Attended by the faculty

Faculty name	FDP Details (Title, Organizer)
Ms. Chaithra	Generative AI for Educators in Higher Education
Ms. Rukmini Bhat B	"Generative AI for Educators in Higher Education
Ms. Preethi	Machine Learning- SkillDzire & AICTE

Faculty Publication

Faculty name	Publication Details (Title, Organizer)
Dr. Soumya J Bhat	LR, R., Bhat, S. J., & KV, S. (2024). Prospective study on challenges faced in a perception system. Cogent Engineering, 11(1), 2353498.
Dr. Sadanada L	Martis, J. E., Sannidhan, M. S., Pratheeksha Hegde, N., & Sadananda, L. (2024). Precision sketching with de-aging networks in forensics. Frontiers in Signal Processing, 4, 1355573.
	Lingayya, S., Jodumutt, S. B., Pawar, S. R., Vylala, A., & Chandrasekan, S. (2024). Dynamic task offloading for resource allocation and privacy-preserving framework in Kubeedge-based edge computing using machine learning. Cluster Computing, 1-17.
Dr. Bharti Panjwani	Banshwar, A., Sharma, B. B., Sharma, N. K., Panjwani, B., Singh, S., & Arya, Y. P. (2024, May). Acoustic perception of low and high frequency with noise. In AIP Conference Proceedings (Vol. 2900, No. 1). AIP Publishing.
	Rani, M., Yadav, J., Rathee, N., & Panjwani, B. (2024). Optifusion: advancing visual intelligence in medical imaging through optimized CNN-TQWT fusion. The Visual Computer, 1-18.

Mrs. Preethi M	Mrs. Preethi M, Ankitha Nayak, Kavya, M Rashmi Maiya, Neeksha G Salian (2024), Healthcare Connect : Appointment Manager, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)
	Mrs. Preethi M, Gajendra S Kundar, Deepti, Darshanraj B, Karthik Shanbhag (2024), Academic Manager with Server and Classroom Feature, International Journal of Advanced Research in Science, Communication and Technology (IJARSCT)

Patents

Applicant Name	Title Of Invention
Dr. Bola Sunil Kamath, 2 . Dr. Athokpam Bikramjit Singh 3 **. Savitha A Shenoy** 4 .Dr. Shashidhar Kini K	Computer Vision-based Medical Image Analysis for Disease Diagnosis Application No: 202441000083
Dr. Ganesh Aithal	A cypher system and method for enabling a generator based additive and multiplicative of exponents.

Awards/achievements of the Faculty

Faculty Name	Achievement Details
Dr. Soumya J Bhat	Paper review
Dr. Soumya J Bhat	Paper review
Dr. Soumya J Bhat	Paper review
Dr. Sadanada L	Paper review

Faculty as Resource person

Faculty Name	Event Details (Title, Type of the event)
Ms. Yashaswini A S	One day workshop on Python Programming for PU Lectures
Mr. Raghavendra Hegde	ATL activities

Satwik S. Bhat ,a 2nd Year Student of CSE participated and won 2nd prize in APPO HOLICS organized by Shri Devi Institute of Technology, Mangaluru on 4th – 5th Jan 2024.

A project titled "Epitect" developed by Pooja, Vikram along with high school students Manvith and Harish from SVH High School Innanje under the guidance of Mr. Raghavendra G S Asst. Professor in CSE Dept. bagged 3rd prize (among 45 teams) in the Zonal Level project competition "Anveshana-2024" held at SDM College of Engineering, Dharwad on 13 and 14 February 2024.

A project titled "Trash Tracker" developed by Nishitha, Panchami, along with high school students namely Vishwa and Ashlesh from GHS Volkadu developed under the guidance of Dr. Sadanand Associate Professor, Dept.of CSE bagged 5th prize (among 45 teams) in the Zonal Level project competition "Anveshana-2024" held at SDM College of Engineering, Dharwad on 13 and 14 February 2024.

The students of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal have participated and won Runner – Up prize in Incridea 2024 organized by NMAMIT, Nitte on 22nd and 23rd February 2024.

ಶಿರ್ವ: ಬಂಟಕಲ್ಲುಶ್ರೀ ಮಧ್ವ ವಾದಿರಾಜ ತಾಂತ್ರಿಕ ಮಹಾವಿದ್ಯಾಲಯದ ಗಣಕಯಂತ್ರ ವಿಭಾಗದ ಮೂರನೇ ವರ್ಷದ ವಿದ್ಯಾರ್ಥಿಗಳಾದ ಗಣೇಶ್ ಕಾಮತ್, ಮೆಕ್ವಿನ್ ಹರ್ಶೆಲ್ ಡಿ'ಸೋಜಾ, ಡಿವೋನಾ ಥೆಲ್ಮಾ ಪಿಂಟೋ ಮತ್ತು ದಿಶಾ ಶೆಟ್ಟಿ ಅವರು ಹ್ಯಾಕ್-ಟೆಕ್ 2.0 ಆನ್‌ಲೈನ್ ಸ್ಪರ್ಧೆಯಲ್ಲಿ ಭಾಗವಹಿಸಿ ದ್ವಿತೀಯ ಸ್ಥಾನ ಗಳಿಸಿದ್ದಾರೆ. ಗಣಕಯಂತ್ರ ವಿಭಾಗದ ರಾಘವೇಂದ್ರ ಜೆ. ಎಸ್. ಅವರ ಮಾರ್ಗದರ್ಶನದ ಈ ಸ್ಪರ್ಧೆಯಲ್ಲಿ ವಿದ್ಯಾರ್ಥಿಗಳು ಗ್ಲೂಕೋಮ ಪತ್ತೆಹಚ್ಚುವ ವ್ಯವಸ್ಥೆ ಆಳವಡಿಸಿದ್ದಾರೆ. ಸ್ಪರ್ಧೆಯ ಅಂತಿಮ ಸುತ್ತಿನಲ್ಲಿ ಒಟ್ಟು ಹನ್ನೆರಡು ಎಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳು ಭಾಗವಹಿಸಿದ್ದಾರೆ.

The Students Ganesh Kamath, Maqwin Harschelle Dsouza, Devona Thelma Pinto, Dinesh Shetty of third year Computer Science & Engineering participated and won Second place in HACK-TECH2.0 organized by Sri Krishna Art and Science college, Coimbatore, Tamil Nadu. The competition was held for 5 days that is from 20th to 24th February 2024. Students successfully implemented a glaucoma detection system in this competition.

The 3rd Year Students of CSE Mr. Vikram, Mr. Prathviraj and Ms. Pooja have participated and won 1st prize in Unicourt Codefest organized by Shri Madhwa Vadiraja Institute of Technology, Bantakal on 15th May 2024. The two teams together won the codefest with 15,000/- cash prize.

3rd year CSE students Mr. Vignesh Prabhu and Mr. Saurabh along with AI ML students received 2nd runner up among 30 teams in The EG AI Innovation Hackathon 2024, held at the EG Premises in Mangalore for the project titled "Legacy Code to Modern Language Code Converter" on 14th and 15th May 2024.
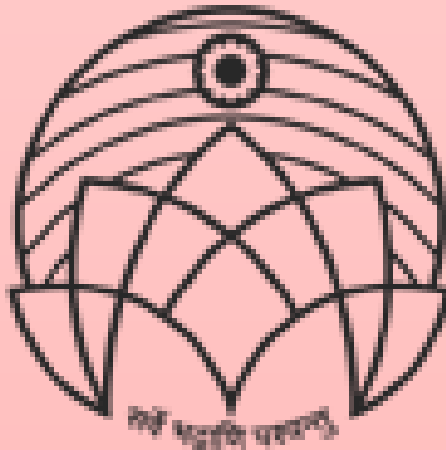

heThe 2nd Year Student of CSE Mr. Satwik S. Bhat and Mr. Sumedh Navda have participated in Entrepreneurship development camp held at Visvesvaraya Technological University, Belagavi from 18th to 27th June 2024.

Final year students Mr. Krishnamoorthy Karantha K., Ms. Arathi Kini, Ms. K. Prathvi Rao and Mr. Nandeesh U. under the guidance of Ms. Sahana received KSCST funding of Rs 4,000/- for students' project: Enhancing Video Quality Through AI-Powered Noise Removal Technique

DEPARTMENT OF
COMPUTER SCIENCE AND ENGINEERING

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(A Unit of Shri Sode Vadiraja Mutt Education Trust (R), Udupi) Affiliated to

the Visvesvaraya Technological University, Belagavi

Approved by AICTE, New Delhi & Recognized by Government ofKarnataka

Vishwothamanagar, Bantakal – 574 115, Udupi, Karnataka, India