News Letter, Department of CSE, SMVITM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VISION

To become a center of excellence, in the field of Computer Science and Engineering education and research, catering the needs of the industry and society.

MISSION

To educate the Computer Science Engineering aspirants with basic and advanced technologies, who can make a difference in competitive environments, continuously improve their technological skills, communicate effectively and be faithful to ethical values.

Workshop on Python Programming

IEEE Student Branch of Shri Madhwa Vadiraja Institute of Technology and Management organized Python Workshop for the students of Atal Tinkering Lab installed schools of Udupi and Dakshina Kannada districts on 31st August and 7th September, 2019 in conjunction with PYCON India – 2019, a premiere conference in India on using and developing the python programming language. The event was attended by approximately 110 participants from 13 various schools keen on learning Python. Mr. Manoj T, Ms. Sahana Karanth, Ms. Tejaswini H, Asst Prof, CSE Dept. were the resource persons for the workshop.

Computer Network Awareness Program for the students of Indira Shiva Rao Polytechnic, Udupi

Department of Computer Science and Engineering of SMVITM, Bantakal organized a one-day Computer Network Awareness Program, for the

Students of Computer Science stream of Indira Shiva Rao Polytechnic, on 13 September 2019 in the department Premise in association with IEEE Student Branch. As part of the program sixteen students along with two staff members visited the campus. Dr. Vasudeva, Mr. Manoj T., Mr. Deepak Rao M, Mr. Suresh Rao and Mr. Shashidhar Pai were the resource persons for the workshop.

Keyboard Master

IEEE Student Branch and CodeTroopers club organized an event called Keyboard Master on 30 September 2019 at institute premises. The event comprised of two rounds namely Elimination and Finals.

A two-day workshop on Arduino Programming

A two-day workshop on Arduino Programming was organized by IEEE Student Branch, SMVITM in order to introduce the Arduino programming to the first-year engineering students of SMVITM. To inculcate the trait of peer learning among students, the workshop was conducted by a motivated team of budding engineers from SMVITM which comprised of Mr. Suraj Shetty, Mr. Vineeth P Nayak, Mr. Shamith Joshi, Mr. Vignesh Kudva, Mr. Rakshith, Mr. Srivastha, Mr. Harish and Mr. Nikhilesh pursuing second year engineering in different streams.

Workshop on Android Programming

IEEE Student Branch and ISTE student chapter of SMVITM organized a two-day workshop on 'Android Application Development' on 10 October 2019. Students of 5th semester CSE, Mr. Deepak Nayak, Mr. Ullas, Mr. Shetty Sourabh and Mr. Faheem Ahmad were the resource persons for the two-day workshop.

IIOTv5

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, under the aegis of the Student Chapters of the Indian Society for Technical Education (ISTE) and IEEE Student branch organized a National Level Student Convention/Project Exhibition on Industrial Internet of Things (IIOT - 2K19) at the institute premises on 24th October 2019. More than Fifty teams from various Engineering colleges across the state exhibited their project models in the event. Dr. C P Ravikumar from Texas Instruments, Bengaluru was the chief guest for the Inaugural function. During the valedictory function, Dr. Ananthanarayana V S, Deputy Director of NITK Surathkal was the guest.

In the Project competition, the first place was bagged by Deepak Nayak, Ullas Kunder, Abhijith Sherigara and Saurabh Shetty for "Smart Agriculture". The second place was bagged by Ganpat Patel, Faheem Ahmed, Ashutosh Kumar and Raunak Chaudhary for "Smart Energy Meter". The three consolation prize winners were Mohith and team for "Smart Mirror", Chethan G Naik and team for "GPS based garbage vehicle tracking ", and Anantha Kumar Ramachandra and team for "Smart car".

Workshop on IoT

ISTE Student Chapter and IEEE Student Branch of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Board for Information Technology Education Standards (BITES) Bengaluru, Government of Karnataka organized a three-day workshop on "Internet of Things" from 6th to 8th November 2019 for the benefit of first- and second-year students of SMVITM, Bantakal. Mr. Sunil Datta, Mr. Rajkiran

Dundareddi and Ms. Shreedevi from Bumblebee Leadership Academy were the resource persons for this three-day workshop. The Institute ISTE coordinator Mr. Deepak Rao M and IEEE branch Counsellor Dr. Vasudeva coordinated the event.

Challenge your limits

A student entrepreneurial event – 'Challenge your limits!' was conducted for pre-final year students of the department of Computer Science & Engineering in the institute premises on 07 November 2019 in association with IEEE Student Branch. The event 'Challenge your limits! – A student entrepreneurial activity' mentored by Mr. B N Ramachandra and Ms. Ramyashree, Assistant Professors, from the department of CSE, contained several interesting and fruitful activities.

Invited Talk

The Department of CSE in association with IEEE Student Branch and ISTE Student Chapter of SMVITM, Bantakal organized an invited talk by Mr. Achal Poonja on the topic of "Blockchain and its Applications" on 8 November 2019 at the seminar hall, admin block of the college. The event was organized for the benefit of 5 semester computer science students.

Formal welcome and Orientation program for the 2018-22 batch students (3rd Semester) to the CSE Branch

Hands-on workshops on "IoT, Arduino, Raspberry Pi boards, Electronics circuits" in Atal Tinkering Labs established at High schools.

In continuation with the initiative started in the year 2018, the student mentors who are also the members of IEEE conducted 1-day, 2-day and 3-day workshops on basic electronic circuits, Sensors, IoT, Robotics, Arduino and Raspberry Pi boards etc to the interested high school and PU students of SDPT P U College, Kateel (2 October); Government P U College (Hiriadka, Bailuru: 2 October); VKR Acharya English Medium High School, Kundapura (4, 5 October, 2019); Madhava Kripa English Medium High School, Manipal (2 October, 2019); Shri Vyasa Maharshi Vidyapeeta, Mulky (2, 3 November); Jawahar Navodaya Vidyalaya, Hebri (11 October, 2019).

One day Arduino workshop at Government High School, Volakadu, Udupi by little mentors of SMVITM Bantakal. (23 January 2020)

One day hands-on workshop on IoT Applications at Poornaprajna College, Udupi. Thing for being proud is that the workshop was conducted by IOT team of SMVITM. Dr. Vasudeva, HoD of CSE gave an introduction to IoT.

Alumni Talk by Mr. Shrivishnu

The alumni talk by **Mr. Shrivishnu** (2015-2019 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 31st August, 2019. The students of pre-final year of CSE department were the beneficiary of this program.

Mr. Shrivishnu is currently an intern at Mobiezy, Bengaluru and will be joining Mindtree soon. Speaker gave insights about how to do preparation for GATE exam and opportunities available if cracked the exam. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

Alumni Talk by Ms. Devika Lakshmeesha

The alumni interaction activity by **Ms. Devika Lakshmeesha** (2011-2015 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 14th September, 2019. The students of final year of CSE department were the beneficiary of this program.

Ms. Devika was placed in HP and currently working in Infosys, Mangalore as Senior System Engineer. Speaker gave insights about how to prepare for any placements. Ms. Tejaswini H welcomed the gathering and introduced speaker to the audience. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

Alumni Talk by Ms. Sushmitha R

The alumni interaction activity by **Ms. Sushmitha R** (2014-2018 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 21st September, 2019. The students of final year of CSE department were the beneficiary of this program.

Ms. Sushmitha is currently working as a System Analyst in Cognizant Technology Solutions, Bengaluru. She gave information about useful sites for preparing for placements, like Indiabix, HackerRank etc. Also, she shared her experience about working in Cognizant. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.
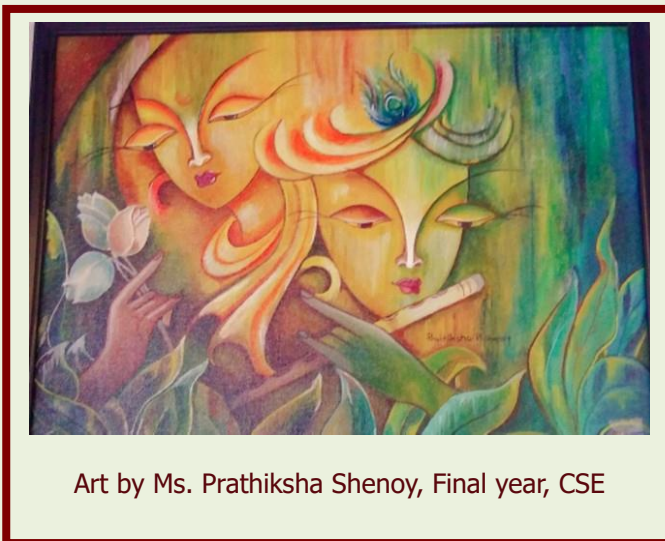

Alumni Talk by Mr. Rajath and Ms. Megha Samaga

The alumni interaction activity by **Mr. Rajath** and **Ms. Megha Samaga** (2015-2019 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell and ISTE on 05th October, 2019. The students of final year of CSE department were the beneficiary of this program.

Mr. Rajath is currently working as Trainee Software Engineer in Juego Studios, Bengaluru. He conducted session on trending web technologies that are helpful in projects.

Ms. Megha Samaga is currently working as a Project Engineer in Wipro Ltd., Mysuru. She shared her work experience in Wipro. She briefed about AMCAT

exam and opportunities available through it and how to face interview. Mr. Deepak Rao M, Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and ISTE/Department Alumni coordinators, Department of CSE, coordinated the event.

Art by Ms. Prathiksha Shenoy, Final year, CSE

Faculty Accomplishment

Dr. Vasudeva gave an invited talk on "Applications of Discrete Mathematics" in the department of Mathematics, NMAMIT, Nitte on 25 July, 2019.
gave a guest lecture on "Social Network Analysis" in Poornaprajna College, Udupi to the B.Sc. (Computer Science) students on 20 September 2019

Dr Vasudeva inaugurated the Science Club at SVH P U College, Innanje on 18 September, 2019

Dr. Vasudeva attended the BRIDGE'19, a conference organized by ICT academy, in Bengaluru on 24 September, 2019

Dr. Vasudeva has been selected as the treasurer of IEEE Mangalore Sub Section for the year 2020.

Dr. Vasudeva was nominated as member, Selection Committee for promotion of faculty members under CAS in the Computer Science department of Goa University, Goa during November, 2019

Dr. Vasudeva was invited to Canara College, Mangaluru as a judge for an event in SCIENTICA a national level fest held on 13 January, 2020.
He published following papers in journals.

Publications

1. C. Rama Mohan, S. Kiran, **Vasudeva**, A. Ashok Kumar, *Image Enhancement based on Fusion using 2D LPDCT and Modified PCA*, International Journal of Engineering and Advanced Technology (IJEAT), 8 (6S3), (2019), 1482-1492.

2. C. Rama Mohan, S. Kiran, **Vasudeva**, A. Ashok Kumar, *Advanced Multispectral Image Fusion based on Frequency Partition and Normalization,* Journal of Advanced

Research in Dynamical & Control Systems, 11(11), (2019), 546-555.

Mr. Adesh N D, Associate Professor in Computer Science & Engineering Department of Shri Madhwa Vadiraja Institute of Technology Bantakal, was awarded Ph.D. degree for his research thesis titled "Design and Implementation of Efficient Techniques for Packet Scheduling and Congestion Control in 4G LTE Networks", submitted under the guidance of Dr. Renuka A, Professor, Department of Computer Science & Engineering, Manipal Institute of Technology, Manipal.

Mr. Nagaraj Bhat, Associate Professor in Computer Science & Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, was awarded Ph.D. degree for his research thesis titled "Weather Informatics Using Remote Sensing and Geographic Information System in high performance Computing Environment" submitted under the guidance of Professor Dr. Krushna Chandra Gouda, Senior Scientist, CSIR-4PI, Bengaluru by Visvesvaraya Technological University, Belagavi.

Faculty team of CSE comprising **Mr. Shrinivasa, Ms. Yashaswini Jogi, Ms. Priyanka, Ms. Sahana Karanth & Mr. Sharath Kumar** won first prize in cooking competition held as part of Teachers Day celebration.

Team Lunch: CSE department of SMVITM Bantakal.

Farewell to **Mr. Ramachandra B N**, Assistant Professor

The department congratulates **Ms. Swathi Prabhu, Ms. Tejaswini H & Ms. Sindhura D N**, Assistant professors for being selected for doing PhD in MIT, Manipal (under MAHE) & wish them all the best in the research career.

FDP/Conferences/Workshops attended by faculty

1. **Ms. Ramyashree**, Assistant Professor, attended a One-day workshop on "Computer Vision and ICN" held at MIT Manipal in association with TCS Bengaluru on 22 November 2019.
2. **Ms. Ramyashree**, Assistant Professor, attended a One-day training program for Udupi District YRC Programme Officers held on 16 January 2020 at Dr. G Shankar Govt. Women's First Grade College & PG Center Ajjarakadu Udupi.
3. **Mr. Manoj T**, Assistant Professor (Senior), participated in a two weeks FDP on "Data Science and Deep Learning" held during 15-26 July 2019 at RVCE, Bengaluru.
4. **Mr. Manoj T**, Assistant Professor (Senior), participated in a One-day workshop on "Computer Vision and ICN" held at MIT Manipal in association with TCS Bengaluru on 22 November 2019.
5. **Mr. Manoj T**, Assistant Professor (Senior), participated and successfully completed ten days workshop on "Research Methodology" from 17th to 26th January 2020 organized by VTU-HRDC, Centre for PG Studies, Muddenahalli, Chikkaballapura.
6. **Ms. Rukmini Bhat B**, Assistant Professor, participated in AICTE sponsored six days STTP program on "Big Image Data Processing Using Machine Learning Techniques" from 4th to 9th November 2019 organized by Department of Computer Science and Engineering, Manipal Institute of Technology, MAHE Manipal.
7. **Ms. Rukmini Bhat A**ssistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.
8. **Ms. Sneha N S**, Assistant Professor, participated in AICTE sponsored six days STTP program on "Big Image Data Processing Using Machine Learning Techniques" from 4th to 9th November 2019 organized by Department of Computer Science and Engineering, Manipal Institute of Technology, MAHE Manipal.
9. **Ms. Sneha N S**, Assistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.
10. **Ms. Yashaswini Jogi**, Assistant Professor, attended the one-week National Workshop on High Performance Computing and Applications (HPCA 2019) held at NITK, Surathkal from August 12-17, 2019.
11. **Ms. Sahana**, Assistant Professor, attended the one-week National Workshop on High Performance Computing and Applications (HPCA 2019) held at NITK, Surathkal from August 12-17, 2019.
12. **Ms. Sahana**, Assistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.

Student Accomplishment

1. **Ms. Daneena D'Souza** was awarded the gold medal for being the topper in Computer Science & Engineering 2015-19 batch.

2. The Students **Mr. Deepak Nayak, Mr. Ullas, Mr. Shetty Saurabh Lavakumar and Mr. Abhijith S Sherigara** (from Civil Engg.) of third year Computer Science & Engineering of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal have participated and won the First place in ISRO Hackathon (a 36 hours event) organized by Sahyadri College of Engineering & Management, Mangaluru as part of "AEROPHILIA- 2019" held from 20 to 22 September 2019. More than 200 students from 25 Engineering colleges have participated in the event.

3. Official Android mobile App (access only to SMVITM Staff and students) launched during Teachers Day celebration held on 5 September,

2019. The team X to Infinity (an interdisciplinary team of 3rd year students including **Mr. Deepak Nayak, Mr. Ullas & Mr. Shetty Saurabh Lavakumar** from CSE conceptualized & designed the app with multiple and useful features.

4. **Mr. Ashutosh Kumar and Mr. Faheem Ahammad** the students of third year Computer Science & Engineering have participated and won First prize in Group Discussion competition held as part of TechCrunch-2K19 organized by the department of Information Science & Engineering, Alva's Institute of Engineering and Technology, Moodbidri on 06 September, 2019.

5. CSE team of SMVITM comprising **Ms. Ashmitha Kalkur, Mr. Ullas, Mr. Shubham Poojary, Mr. Yahya Asadi, Mr. Gagan Babu, Mr. Ashuthosh Kumar, Mr. Shreyas G Acharya and Ms. Namratha** won first prize in the event MadAds held as part of Joshiana, technical fest at St. Joseph Engineering College, Mangaluru.

6. **Mr. Deepak Nayak, Mr. Ullas, Mr. Saurabh Shetty** third year students of Shri Madhwa Vadiraja Institute of Technology and Management Bantakal have won the 18-hour Hackathon "Hacktoberfest Hacknight" organized at Sahyadri College of Engineering & Management Mangaluru on 12 and 13 October, 2019 hosted under the banner of MHRDs Institute Innovation Cell.

7. **Ms. Shreya Bhat, Ms. Shreya Ravindra, Ms. Ananya Bhat, Ms. Prajna, Ms. Sneha, Ms. Meghana R, Ms. Jyothi Jayavant Kamath, Ms. Sharadhi Shetty & Ms. Kirthi Nayak** were part of the SMVITM cultural team which won 1st place in Group singing, second place in Group Dance & skit and overall championship in the 4th District Rotaract Cultural Program 2019-20 held on 19 January, 2020.

8. **Mr. Nikhil G Poojary** (Member, Volleyball first Prize), **Mr. Dhanush Hegde** (Volleyball, Long Jump 1st), **Ms. Sneha** (100 mtr, Long jump, Relay: 1st, shot put: 2nd), Mr. Prinston Lewis (100 mtr:

3rd, Relay: 1st) & **Mr. Akash G S Kumar** (Relay: 1st) have participated & won prizes in the inter district sports meet hosted by Rotaract Club Karkala held on 1 December, 2019.

9. **Ms. Vijayalakshmi & Ms. Shreya S** were part of the table tennis team which won third place in VTU Mangalore Zone Inter-collegiate table tennis tournament held at AJIET, Mangaluru on 15 November, 2019

10. **Vineeth P Nayak, Suraj & Shamith Joshi** have won third place in Hobby Project Competition held at JNNCE, Shivamogga on 4 & 5 October, 2019

11. The team CSGO comprising **Mr. Yahya Asadi, Mr. Shubham Poojary & Mr. C Gagan Babu** was selected as one among top 10 teams out of 250+ teams participated in "Hackverse", a national level Hackathon organized at NITK Surathkal on 25 and 26 January, 2020.
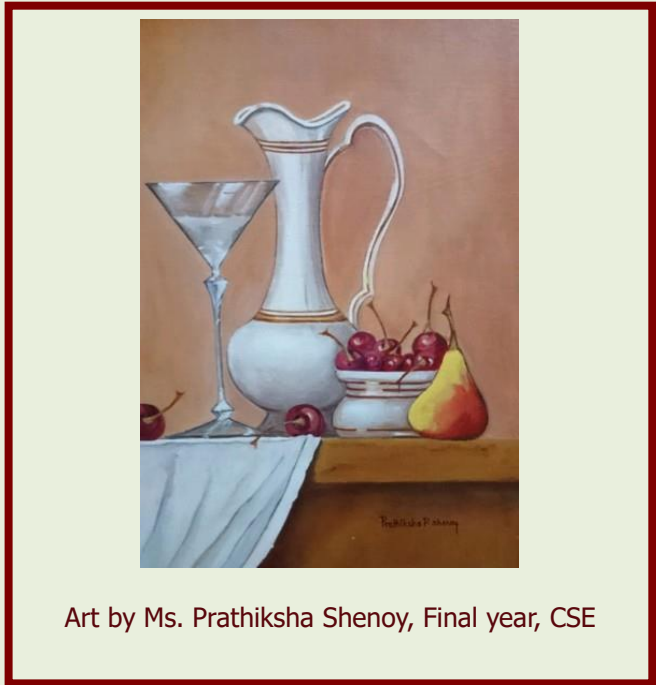
Placed Students of CSE

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AKANKSHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
ARCHANA HEBBAR K V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
LAVANYA N	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
MEGHANA R	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NARENDRA V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NIKHIL V ACHARYA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
PRATEEK R K	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHARAN	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHWETHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
VIDISHA P SHET	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
GAUTHAM NAIK P	Infosys Ltd., Bengaluru		Infosys
AJAY	Infosys Ltd., Bengaluru		Infosys
AKHILESH SHASTRY K	Infosys Ltd., Bengaluru		Infosys

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AKSHATHA	Infosys Ltd., Bengaluru		Infosys
APOORVA	Infosys Ltd., Bengaluru		Infosys
CHAITRA R K	Infosys Ltd., Bengaluru		Infosys
KEERTHAN ACHARYA	Infosys Ltd., Bengaluru		Infosys
LAVANYA N	Infosys Ltd., Bengaluru		Infosys
NISHMITHA SHETTY	Infosys Ltd., Bengaluru		Infosys
NIVEDITHA	Infosys Ltd., Bengaluru		Infosys
PRADEEPA ACHARYA	Infosys Ltd., Bengaluru		Infosys
SHRIKARA	Infosys Ltd., Bengaluru		Infosys
SHWETHA	Infosys Ltd., Bengaluru		Infosys
SUNIL S SHETTY	Infosys Ltd., Bengaluru		Infosys
TANUSHREE ANCHAN	Infosys Ltd., Bengaluru		Infosys
VIJAYATHA NAYAK	Infosys Ltd., Bengaluru		Infosys
VIMITHA	Infosys Ltd., Bengaluru		Infosys

Name	Company		Logo
ZEBA AMRIN	Infosys Ltd., Bengaluru		Infosys
CHAITRA C KAMATH	Infosys Ltd., Bengaluru		Infosys
SHARAN	Juego Studio Pvt. Ltd., Bengaluru		Juego Studios
RENCITA MARIA COLACO	CodeCraft Technologies Pvt. Ltd., Mangaluru		CodeCraft Technologies
SUHANI	Techjini Datamatics Limited, Bengaluru		Tech Jini
Y V SNEHA	Techjini Datamatics Limited, Bengaluru		Tech Jini
AKANKSHA	GlobalLogic India Limited, Bengaluru		GlobalLogic
KEERTHANA BHAT	GlobalLogic India Limited, Bengaluru		GlobalLogic
VIMITHA	GlobalLogic India Limited, Bengaluru		GlobalLogic
JYOTHI JAYWANT KAMATH	Mindtree Ltd., Bengaluru		Mindtree Welcome to possible
KRIPA	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies EMOTION ENGINEERING & DESIGN
RIEONA FERNANDES	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies EMOTION ENGINEERING & DESIGN
SANGEETHA P NAYAK	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies EMOTION ENGINEERING & DESIGN
SHREYAS PRABHU	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies EMOTION ENGINEERING & DESIGN

Name	Company		Logo
Y V SNEHA	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies EMOTION ENGINEERING & DESIGN
PRIYADARSHINI.P	IBM India Pvt. Ltd., Bengaluru		IBM
KEERTHANA BHAT	Cognizant Technology Solutions, Bengaluru		Cognizant
NIKHIL V ACHARYA	Cognizant Technology Solutions, Bengaluru		Cognizant
RIEONA FERNANDES	Cognizant Technology Solutions, Bengaluru		Cognizant
SHREYAS PRABHU	Cognizant Technology Solutions, Bengaluru		Cognizant
RAKSHA	AceMicromatic Manufacturing Intelligence Technologies Pvt.		Ace Micromatic Group
VINEETH KUMAR	AceMicromatic Manufacturing Intelligence Technologies Pvt.		Ace Micromatic Group
VISHWASINI	AceMicromatic Manufacturing Intelligence Technologies Pvt.		Ace Micromatic Group
AKHILESH R	Talentio Solutions India Private Limited., Hyderabad		Talentio
KEERTHAN ACHARYA	Talentio Solutions India Private Limited., Hyderabad		Talentio
SHARADHI SHETTY	Talentio Solutions India Private Limited., Hyderabad		Talentio
SUHANI	IBM India Pvt. Ltd., Bengaluru		IBM
JAYALAKSHMI	Cognizant Technology Solutions, Bengaluru		Cognizant

RAKSHITHA M	Cognizant Technology Solutions, Bengaluru		Cognizant
VIDYESH V HOLLA	Cognizant Technology Solutions, Bengaluru		Cognizant
POOJA	Wipro Limited, Bengaluru		wipro
SANGEETHA P NAYAK	Wipro Limited, Bengaluru		wipro
SHREYA BHAT	Wipro Limited, Bengaluru		wipro
SHREYAS PRABHU	Wipro Limited, Bengaluru		wipro
VIDYESH V HOLLA	Wipro Limited, Bengaluru		wipro
VISHWASINI	Wipro Limited, Bengaluru		wipro
NISHA J	Global Edge Software Ltd., Bengaluru		GLOBAL EDG -ALTRAN GROUP
POOJA	Global Edge Software Ltd., Bengaluru		GLOBAL EDG -ALTRAN GROUP
SWATHI	Global Edge Software Ltd., Bengaluru		GLOBAL EDG -ALTRAN GROUP
VAISHALI	Global Edge Software Ltd., Bengaluru		GLOBAL EDG -ALTRAN GROUP

Art by Ms. Prathiksha Shenoy, Final year, CSE

Art by Ms. Prathiksha Shenoy, Final year, CSE

Program Outcomes (POs)

The graduates of Computer Science and Engineering program will attain the ability to:

PO1 - Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 - 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.

PO3 - 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.

PO4 - Conduct investigations 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.

PO5 - 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.

PO6 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 - 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.

PO8 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 - Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 - 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.

PO11 - 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.

PO12 - 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 Outcomes

PSO1: Student will 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: Student will be able to successfully adapt to the changes in the field of computer science and engineering for both personal and professional growth.

Program Educational Objectives (PEOs)

The graduates of Computer Science and Engineering program will have
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.

Address for Communication

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SMVITM