

Newsletter

Department of Computer Science & Engineering

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**SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT**

(A Unit of Shri Sode Vadiraja Mutt Education Trust®, Udupi)

Approved by AICTE, New Delhi; Recognized by Govt. of Karnataka and Affiliated to VTU, Belagavi
Vishwothama Nagar, Bantakal - 574115, Udupi District, Karnataka.

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From the editor's desk

A Soliloquy . . .

Not many might have foreseen that an educational institution started with few hundreds of students in a rural belt would reach to a remarkable height one day & continue to grow in a rapid pace triumphing towards success. Surrounded by an aura of sanctity & supplemented with divine blessings of revered Swamiji - Shree Madhwa Vadiraja Institute Of Technology & Management is serving the noble cause of education to the needy & downtrodden.

Technology is changing by leaps & bounds. We are in a race. And department of Computer Science & Engineering, major wing of SMVITM steered by Dr. Vasudeva is moving in a majestic way with a notable swift catering the all-round needs of student community, keeping them on par to combat challenges & transforming them fit for survival.

Sincere workmanship blended with hardship must be the royal path to success. After-all, achievement & success stories are the inspiring ingredients, foundation stones to aspire better & best in life. I am extremely glad at this moment to present you the biannual chronicle of achievements & accomplishments of department of CSE of all class.

Here is a bird's eye view of the efforts & feats of the entire fraternity of team CSE. It is a testimony, a show case of the fruits of commitment, results of relentless toil - not solitary but by allied & strenuous united exercise indeed.

Ultimately, imparting education with character & care shall be taking a broader & extensive course day by day, thus striving towards excellence, marching towards success & striking towards glory.

Hoping to add more phenomenal news & top notch endeavours in the future editions!

Yours faithfully - BN Ramachandra

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DEPARTMENT VISION

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

DEPARTMENT 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.

PROGRAMME EDUCATIONAL OBJECTIVES

The graduates of Computer Science and Engineering should have

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

PROGRAMME OUTCOMES

Graduates of Computer Science and Engineering programme will be able to:

1. Acquire basic knowledge of mathematics, science and engineering.
2. Identify, formulate and solve real world problems using computing requirements.
3. Conduct investigations, interpret data and provide conclusions regarding problems related to Computer Science & Engineering.
4. Design, implement and evaluate a computer-based system to meet desired needs with appropriate societal considerations.
5. Use appropriate techniques, skills, and modern tools necessary for computing practice.
6. Demonstrate the ability of using acquired knowledge to analyze and solve societal issues.
7. Find sustainable solutions to the problems with the knowledge of the impact of engineering solutions in environmental contexts.
8. Exhibit an understanding of professional, ethical, legal and social issues and responsibilities.
9. Function effectively as an individual as well as in a group with leadership qualities.
10. Effectively interact with diverse group of people.
11. Do their work with efficient resource management in a multidisciplinary environment.
12. Understand the need for upgrading themselves through continuous learning.

PROGRAMME SPECIFIC OBJECTIVES

At the end of the programme graduates will

1. Be able to design, implement, test and evaluate a computer system, component or algorithm to solve a real world problem using appropriate data structures.
2. Be able to successfully adapt to the changes in the field of computer science & engineering for both personal and professional growth.

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SYMPOSIUMS/ACTIVITIES HELD

IIOT - 2K17 - A STATE LEVEL SYMPOSIUM & EXHIBITION

The Student Chapters of the Indian Society for Technical Education (ISTE), Internet of Things (IoT) Club of SMVITM and IEEE Mangalore Sub Section organized a state level Student Symposium on Industrial Internet of Things (IIOT - 2K17) at the institute premises on 10 November 2017. Thirty teams from various Engineering colleges across the state exhibited their project models in the event. The Symposium cum exhibition was inaugurated by the Chief Guest Dr. Narendranath Udupa, Head, Department of Lighting Research at Philips Lighting, Bengaluru and the Guest of honor Mr. Bhuvan K Shetty, Senior Manager, Enterprise Internet of Things (IoT), Bosch Engineering and Business Solutions, Bengaluru along with Shri Rathnakumar, Secretary, Shri Sode Vadiraja Mutt Education Trust (SSVMET) who presided the function and Dr. Vasudeva, the convener of IIOT-2K17.

Valedictory function was held on 10 November 2017. His Holiness Shri Vishwavallabha Theertha Swamiji presided the function. Mr. Praveen Kumar Kalbhavi, MD & CEO, Novigo Solutions Pvt. Ltd., Mangaluru was the chief guest and Mr. Karthik K, Head, Technical Training Division, Robosoft Technologies; Udupi was the guest of honour. In his presidential address Swamiji cautioned about the reckless use of technology in all fields, though it is inevitable - controlled use is very much essential, he said. He told, technology not only changed the world but also changed certain beliefs and thoughts. Also, top teams bagged prizes for the presentation of their projects & prizes were sponsored by IEEE Sub Section, Mangaluru.



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GLIMPSES of IIoT-2K17

Dr. Narendranath Udupa, Mr. Bhuvan Shetty, Dr. Mohit Tahiliani (NITK Surathkal) and Dr. Rajeev Srivastava (IIT, Varanasi) gave technical lectures as part of the symposium.

In the first session, Dr. Narendranath Udupa, Director and Head, Philips Lighting, Bengaluru gave a lot of valuable information on "Lighting Sensors in IoT", a trending topic today.



In the second session, Mr. Bhuvan K Shetty, Senior Project Manager, Enterprise IoT, Bosch Engineering Solutions, Bengaluru spoke on the a vital topic - "IoT and BlockChains" & elaborated its courses.



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In the third session, Dr. Mohit P Tahiliani, Assistant Professor, Department of CSE, NITK Surathkal elaborated about "IOT Architecture and Protocols".



In the last session, Dr. Rajeev Srivastava, Professor, HOD, Department of CSE, IIT-BHU, Varanasi delivered threw lime light on "Computer Vision, Machine Learning and Image Processing".

In the valedictory, addressing the gathering Mr. Praveen Kumar Kalbhavi, told in addition to the class room learning, it is also necessary to have additional skills to tackle real time & societal problems to become successful engineer.



Mr. Karthik K, Head, Technical Training Division, Robosoft Technologies, Udipi, appreciated the efforts of students in ideating, conceptualizing and implementing projects which are socially and technically relevant. He urged the students to continue the spirit of problem solving capability throughout their career.

Dr. Sreekanth D. K, Professor, Department of CSE, NMAMIT, Nitte, Dr. Radhika M Pai, Professor, Department of ICT, MIT Manipal, & Mr. Karthik, Robosoft Technologies, Udipi assisted to a great extent by sparing their valuable time in accessing the IIoT projects & to choose the best projects.

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Project titled "Automated Stench Analyser" by Adithya K Shetty, Glanis Joyal Monteiro, Marita Reema D'souza and Prajna U Nayak of SMVITM, Bantakal" won the first Prize and they were honored with a cash prize of Rs.10,000 and certificates.



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ISTE SPONSORED 'VIDEO EDITING COMPETITION'

ISTE Student Chapter and Department of Computer Science and Engineering jointly had conducted a Video Editing Competition "Edit-O-Mania" for the students of all the branches on Saturday 4th November 2017.

Mr. Sriganesh of final year ECE bagged the 1st prize & Ms. Samanvitha Bhagavath, pre-final year, CSE secured 2nd place.



'THINKER, DOER, ENTREPRENEUR???' – A DEPARTMENTAL LEVEL ACTIVITY ON MANAGEMENT AND ENTREPRENEURSHIP FOR PRE-FINAL YEAR STUDENTS OF CSE

SMVITM, Bantakal, had organized an Entrepreneurial event "Thinker, Doer, Entrepreneur???" for pre-final year students of the department of Computer Science & Engineering at the institute premises on 09 November 2017. Dr. Vasudeva, Head of the Department, Computer Science and Engineering addressed the gathered students and gave a Bird's Eye View of the importance of Entrepreneurship and all its pros in a crispy way. He motivated the students to come up with some useful, beneficial & feasible projects in upcoming days. The event "Thinker, Doer, Entrepreneur???" hosted by Mr. B N Ramachandra and Ms. Anujna Rao, Assistant Professors, from the Department of CSE, contained several interesting and fruitful entrepreneurial activities. Adjunct faculty Mr. Chandrashekar Rao Kuthyar gave important tips to the budding entrepreneurs and engaged the students with thought provoking activities. At the closure, Dr. Thirumaleshwara Bhat, Principal, SMVITM, Bantakal addressed the gathering and elaborated the course of Entrepreneurship and said why it was the need of the hour.



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IEEE DAY CELEBRATION AT ROBOSOFT TECHNOLOGIES, UDUPI.

Faculty members and students of Department of CSE, SMVITM attended the 'IEEE (Institute of Electronics and Electrical Engineers) Day' held at Robosoft Technologies, Udupi on 3 October, 2017. On the occasion, Prof Niranjana N Chiplunkar, Chairman of IEEE Mangaluru subsection and principal of NMAMIT, Nitte welcomed the gathering and gave details of the programme and significance of IEEE day. The first ever late Dr KM Hebbar memorial lecture was delivered by Mr. M Sathu, AGM of Corporation Bank on the topic 'India Stack' regarding software framework developed by Government of India for various digital India application and also by Purushottam Bhat, director of Robosoft. Rohit Bhat, CEO and MD of Robosoft Technologies spoke on 'Latest Technology Trends'.



ACCOMPLISHMENT IN NPTEL LOCAL CHAPTER

- Marita Reema, student of department of CSE has completed Course in NPTEL's 'Introduction to Modern Application Development' with Elite Certification.
- Mrs. Tejaswini H, Assistant Professor, Department of CSE, have completed the course 'Introduction to R Software' with Elite Certification.
- Mrs. Sindhura DN, Assistant Professor, Department of CSE, has successfully completed a certification course in NPTEL.

FACULTY ACCOMPLISHMENTS

- Dr. Vasudeva, HOD, Dept. of CSE delivered an invited talk on "Artificial Intelligence" at PoornaPrajna P U College, Udupi on 5th August, 2017.
- Dr. Vasudeva, HOD, Dept. of CSE delivered an invited talk on "Social Network Analysis" at Srinivas Institute of Technology, Valachil, Mangaluru on 27th September, 2017.
- Mr. Nagaraj Bhat, Assistant Professor (Sr.), Department of CSE, has trained a project group on the GIS-Modelling Interface from January 10 to January 17th, 2018 at CSIR 4PI, NAL, Belur Campus, Bengaluru.

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- Mr. Nagaraj Bhat, Assistant Professor (Sr.), Department of CSE, has participated and presented a research paper titled "A Comparative Analysis of climate change over thermal power plant using Reanalysis and Satellite Data" in Seventh International World Meteorological Organization Symposium on Data Assimilation held at Florianopolis, Brazil during 11 - 15 September, 2017.



FDPs/ WORKSHOPS/SEMINARS

- Mr. Nagaraj Bhat, Department of CSE, has participated in a workshop on Climate Extremes in TERI-Uni Research School from September 18-22, NewDelhi.
- Mr. Jayaram, Assistant Professor (Sr.), Department of CSE, has participated in a 5 Days FDP on 'Mobile Application Development' from January 22 to 26, 2018 in VVCE, Mysuru.
- Mr. Praveen M Nayak, Assistant Professor, Department of CSE, has participated in a 5 days FDP on 'Realtime Software Engineering & Project Management' from December 18th to 22nd, 2017 at NMAMIT, NITTE.
- Mrs. Tejaswini H, Assistant Professor, Dept. of CSE, presented a paper titled "Cascade Cipherring Technique for Confidential, Authenticated and Integrity preserved transmission of images over a network" in International Conference on Smart Technologies for Smart Nation (SmartTechCon-2017) held at REVA University, Bangalore from 17-19 August 2017.
- Mrs. Sneha S, Assistant Professor, Dept. of CSE, has attended a workshop on 'Design & Simulation of Network Protocols using QualNet & IoT Application - MIT, Manipal from December 7th to 9th, 2017.
- Mrs. Sowmya S, Assistant Professor, Dept. of CSE, has attended a workshop on 'Design & Simulation of Network Protocols using QualNet & IoT Application - MIT, Manipal from December 7th to 9th, 2017.
- Mr. Manoj T, Assistant Professor, Dept. of CSE, has attended a workshop on 'Machine Learning & Its Applications in Engineering & Technology' held at NMAMIT, Nitte from January 2nd to 6th, 2018.
- Mr. Siju V Soman, Assistant Professor (Sr.), Department of CSE, attended one day Technical Seminar on Embedded Software Safety & Security - on 14th November 2017 at Hotel Ocean Pearl, Mangalore, conducted by LDRA Technology Pvt. Ltd., Bangalore.
- All the faculty members of department of CSE of SMVITM attended a 5 days' workshop on 'Research Methodology' & 'Enhancing Teaching Methodologies' in the institute premises from December 11th to 15th, 2017.
- Also all the faculty members of department of CSE of SMVITM attended a one day' workshop on 'Leadership Development Skills - LEAD' by Mr. Mukesh Shenai, GHATD, Bengaluru in the institute premises on January 24, 2018.

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CAMPUS PLACEMENT DETAILS

A notable number of final year students of Computer Science & Engineering were successful in getting placed in reputed companies in the academic year 2017-18. Following are the brief details:

Sl. No.	Company Name	Student Names	Designation
1	iWave Systems Technologies Pvt. Ltd., Bengaluru	<ul style="list-style-type: none">• Prajna U Nayak	Software Developer
2	Robosoft Technologies Pvt. Ltd, Udupi	<ul style="list-style-type: none">• Glanis Joyal• Nagesh R Prabhu	Trainee Software Engineer
3	Juego Studio Pvt. Ltd., Bengaluru	<ul style="list-style-type: none">• Vani V Bhat	Trainee Software Engineer
4	Accord Software & Systems Pvt. Ltd., Bengaluru	<ul style="list-style-type: none">• Sanchitha B	Trainee Software Engineer
5	SLK Software Services Pvt. Ltd., Bengaluru	<ul style="list-style-type: none">• Daryl Shaun• Jevita Quadras• Menezes Brindon• Shreya S Anchan• Sunethra R Kamath• Sushmitha Baliga• U.Nikhitha Kamath	Trainee Software Engineer
6	Advanced Computer Software Group Ltd., Bengaluru	<ul style="list-style-type: none">• John Seniorita• Shetty Nidhishree• Shradha• Shreeshma	Trainee Software Engineer
7	Specbee Consulting Services Pvt. Ltd., Bengaluru	<ul style="list-style-type: none">• Aneesh Kini U	Junior Software Developer
8	SSG Software Systems Pvt. Ltd., Bengaluru.	<ul style="list-style-type: none">• Vathan Ballal	Trainee Software Engineer

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STUDENT ACCOMPLISHMENTS CO-CURRICULAR & EXTRA CURRICULAR ACTIVITIES

- Sahana Udupa of 6th semester CSE won 2nd place in solo singing of Hindi film songs as a part of 'Samskruthika Habba - 2017' organised by Vishwamanava Yuva Vedike, The Government of Karnataka on 30th and 31st August 2017.
- Sahana Udupa of 6th semester CSE secured 3rd place in group singing of Kannada Folk songs as a part of "Samskruthika Habba - 2017" organised by Vishwamanava Yuva Vedike, The Government of Karnataka on 30th and 31st August 2017.
- Shilpa Bhat of 6th semester CSE & Trivikrama Bhat of 4th semester CSE secured 2nd place in group singing of Kannada Nela, Jala, Bhaashe.
- Tania Aroza of 6th semester CSE won 3rd spot in the VTU Mangalore Zone Inter - Collegiate Table Tennis Tournament under Women's section held on 28th August, 2017 in NMAMIT, NITTE.
- Nagesh Prabhu, Krishnaraj, Daryl Shaun, Dheeraj Kumar, Brindon Menezes, Karthik Bhat, Glanis Menteiro, Jayesh Devadiga, Joystan Rolan, Nikhil Kumar, Adithya Shetty, Prajna U Nayak of 8th Semester bagged 1st place in a Cultural Event -a Mythological Drama with Technology held at St. Joseph Engineering College, Mangalore in Joshiana - 8.0, National Level IT Fest on 21 and 22 September 2017.
- Rajath & Haripriya Aithal of 6th semester, CSE secured 1st place in 'APP Development' - in Joshiana - 8.0, National Level IT Fest on 21 and 22 September 2017 held at ST. Joseph Engineering College, Mangalore.
- Nikhil Kumar of 8th semester CSE secured 2nd place in 'Video Editing' - in Joshiana - 8.0, National Level IT Fest on 21 and 22 September 2017 held at ST. Joseph Engineering College, Mangalore.

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