



SPECIAL POINTS OF INTERESTS

- + Department Vision
- + Department Mission
- + Programme Educational Objectives
- + Programme Outcomes

Shri Madhwa Vadiraja Institute of Technology & Management Bantakal, Udupi Department of Computer Science & Engineering

E-NEWS LETTER, 2016-2017, VOLUME 2, ISSUE 1

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 program 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.



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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.



SPECIAL POINTS OF INTERESTS

- ✚ State Level Student Symposium on Industrial Internet of Things (IIOT – 2K16)

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DEPARTMENT ACTIVITIES

State Level Student Symposium on Industrial Internet of Things (IIOT – 2K16)

The Student Chapters of the Indian Society for Technical Education (ISTE) and Internet of Things (IoT) Club, organized a state level Student Symposium on Industrial Internet of Things (IIOT - 2K16) at the institute premises on 04 November 2016. Thirty teams from various Engineering colleges across the state exhibited their project models in the event. Mr. Rajashekara V. Maiya, Associate Vice President & Head, Finacle, Infosys Ltd., Bengaluru, Mr. Venkat Kumar Shivaramamurthy, Head Innovation Labs, Kotak Bank, Bengaluru and Mr. Devesh Rajadhyax, CEO, Cere Labs, Mumbai were the judges for the competition.

Project titled “Process Automation Using Arduino and GSM” by “Kishore and team of SMVITM, Bantakal” won the first Prize and they were honored with a cash prize of Rs.10,000 and certificates. Second Prize of Rs. 7,500 was awarded to “AgriCopter” by Kuldeep Rao B. and team of SMVITM, Bantakal. Third and fourth prize with a Cash Prize of Rs. 5,000 and Rs. 2,500 was awarded to “Automation of Dry-wet waste collection to support Swach Bharath Abhiyan (IoT)” by Bharadwaj B. & team of Sri Sairam college of Engineering, Bengaluru and “Manual Paddy transplanter” by Punith Kumar Shetty & team of Srinivas Institute of Technology, Valachil respectively.





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**SPECIAL POINTS
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- + Workshop
- + Technical talk

DEPARTMENT ACTIVITIES

Workshop on “Project based Learning using Arduino Board”

A two days’ workshop on “Project based Arduino Board” was held on 25th and 26th October, 2016 in association with Board of IT Education Standards (BITES), Government of Karnataka and ISTE students’ chapter of the institute. Experts from Tenet Technetronics, Bengaluru trained about 60 students on various aspects of Internet of things related projects and their implementation using Arduino board.



Technical talk

Mr. Praveen Kumar Kalbhavi, Managing Director and Chief Executive Officer, Novigo Solutions Private Limited delivered a talk to the final year students on “Opportunities and Expectations in IT Industry” on 17 August, 2016.



Mr. Devesh Rajadhyax CEO of Cere Labs Pvt. Ltd., Mumbai gave an invited talk on “Artificial Intelligence–An industrial Perspective” on 5 November 2017.



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**SPECIAL POINTS
OF INTERESTS**

- + **Technical talk**
- + **Accomplishment in NPTEL**
- + **Research Papers Published by Faculty in Journals**

DEPARTMENT ACTIVITIES

Mr. Sunder Madakshira, Head of Marketing with Edgeverve Systems Ltd., delivered a talk on 'Communication skills' to the final year students of Computer Science Engineering and Electronics & Communication Engineering. The event was organized by the Entrepreneur Development Cell of the institute on 03 September 2016.



Accomplishment in NPTEL Local Chapter

- 14 students from CSE department have successfully completed the NPTEL certification in "**Introduction to Modern Application Development**". Out of that three students have bagged elite certificate.
- **Prajna U Nayak** of third year CSE has been awarded with elite certificate with topper badge.
- **Manoj T**, Assistant Professor, Department of CSE has successfully completed certification in "**Introduction to Modern Application Development**" with elite grade.

Research papers published by faculty in journals

SI. No.	Name of the teacher	Title of the paper	National or International journal
1	Swathi Prabhu	High Performance Computation of Big Data: Performance Optimization Approach towards a Parallel Frequent Item Set Mining Algorithm for Transaction Data based on Hadoop MapReduce Framework	International



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**SPECIAL POINTS
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- Conference,
Symposia,
Seminars,
Workshops
Attended by
Faculty**

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**Conference, symposia, seminars, workshops etc. attended by
faculty members**

Dr. Vasudeva

1. Participated in the 51st Annual convention of Computer Society of India held at Coimbatore during 23 - 25 January, 2017.
2. Gave an invited talk on "Internet of Things" at Vivekananda College of Arts, Science and Commerce, Puttur, on 03 January, 2017.

Mr. Venugopala Rao A S

1. Participated in FDP on "Research Aspect in Web Mining, Image Processing, Web Services, IOT and Big Data Analytics" held between 05 December 2017 and 09 December 2017 at NMAMIT Nitte.
2. Participated in FDP on ARM Processors and Programming held on 30 January 2017 at RNSIT Bengaluru.

Mr. Shrinivas Naik

1. Participated in FDP on "Machine Learning" held at NMAMIT, Nitte during 23 - 28 January, 2017.

Mr. Siju V Soman

1. Participated in FDP on "Research Methodology" held at Vivekananda College of Engineering and Technology, Puttur during 19 - 23 July, 2016.

Ms. Yashaswini Jogi

1. Participated in FDP on "Recent Aspects in Web Mining, Image Processing, Web Services, IoT and Big Data Analytics" held at NMAMIT, Nitte during 05 - 09 December, 2016.

Ms. Sahana Karanth

1. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.

Mr. Deepak Rao M

1. Attended a Faculty development program "PRIDE" held at Tata Consultancy Services Ltd., Bengaluru on 16 January, 2017.
2. Participated in FDP on "Machine Learning" held at NMAMIT, Nitte during 23 - 28 January, 2017.

Ms. Priyanka

1. Participated in FDP on "Recent Aspects in Web Mining, Image Processing, Web Services, IoT and Big Data Analytics" held at NMAMIT, Nitte during 05 - 09 December, 2016.

Mr. Praveen Naik

1. Participated in FDP on "Machine Learning" held at NMAMIT, Nitte during 23 - 28 January, 2017.

Mr. Rama Moorthy H

1. Participated in Workshop on "ARM 7 and KEIL IDE" held at AIET, Mijar during 23 - 24 January, 2017.
2. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.

Ms. Tejaswini H

1. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.



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**Conference, symposia, seminars, Workshops etc. Attended by
faculty members**

Mr. Nagaraj Bhat

1. Participated in FDP on "Research Methodologies & Latex" held at Mangalore Institute of Technology & Engineering, Moodabidri from 19 - 21 July 2016.
2. Participated in FDP on "Machine Learning" held at NMAMIT, Nitte during 23 - 24 January, 2017.
3. Presented a Paper Titled "Development of an Integrated Dissemination System for Weather and Climate Informatics" in NATIONAL SYMPOSIUM ON TROPICAL METEOROLOGY: CLIMATE CHANGE AND COASTAL VULNERABILITY (TROPMET 2016) held at S O A University, Bhubaneswar, Odisha, India, from 18 - 21 December 2016.

Mr. Sharath Kumar

1. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.

Ms. Reshma Hebbar

1. Participated in FDP on "Research Methodology" held at Vivekananda College of Engineering and Technology, Puttur during 19 - 23 July, 2016.

Ms. Ramya D Shetty

1. Participated in FDP on "Research Methodology" held at Vivekananda College of Engineering and Technology, Puttur during 19 - 23 July, 2016.

Mr. Manoj T

1. Participated in Workshop on "Open Network Experimentation-2016" held at NITK-Surathkal during 06 - 08 July, 2016.
2. Participated in FDP on "Recent Aspects in Web Mining, Image Processing, Web Services, IoT and Big Data Analytics" held at NMAMIT, Nitte during 05 - 09 December, 2016.
3. Participated in one-day SPOC workshop on NPTEL e-learning course held at IIT, Madras on 17 December, 2016. His role as SPOC for NPTEL at SMVITM was appreciated for being instrumental in getting "A Grade" recognition to SMVITM.

Ms. Shiny Melita D'Souza

1. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.

Mr. Ramachandra B N

1. Participated in the DST sponsored workshop Transforming from a responsible Manager to a successful Entrepreneur held at SMVITM, Bantakal during 12 - 24 December, 2016.

Ms. Swathi Prabhu

1. Participated in FDP on "Recent Trends in Information and Network Security" held at NMAMIT, Nitte during 28 November - 2 December, 2016.

Ms. Sindhura D N

1. Participated in FDP on "Recent Aspects in Web Mining, Image Processing, Web Services, IoT and Big Data Analytics" held at NMAMIT, Nitte during 05 - 09 December, 2016.



SPECIAL POINTS OF INTERESTS

+ Student achievement

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STUDENT ACHIEVEMENT

Student won India's biggest education Hackfest

Ms. Sushmitha Baliga, V SEM Computer Science and Engineering Branch has participated and won the second prize in the HACKFEST-2016 jointly organized by Accenture and LinkedIn, held at Bengaluru on 24 and 25 September 2016

Students won the table tennis tournament

Students of the department have participated and won the second place and third place respectively for men and women in VTU Mangalore zone Inter-collegiate Table tennis tournament (Men and Women) 2016-17 held at Shree Devi Institute of Technology, Mangalore on 28 and 29 September 2016. The

Sl. No.	Name of the student	SEM/Branch	Prize won
1	Parithosh	VII SEM EC	Second Place
2	Arjun Acharya P	V SEM EC	
3	Narendra Kini K	V SEM CS	
4	Sampath S Shetty	III SEM EC	
5	Matharishwa Bhat	III SEM EC	
6	Imraz	VII SEM CS	Third Place
7	Audrey Jenitha Barboza	V SEM EC	
8	Tania Aroza	III SEM CS	
9	Rachana B B	III SEM CS	
10	Kavya	I SEM EC	

students who have participated in the tournament are listed below

Student won the State Level Carnatic classical singing competition

Ms. Sahana Udupa, III SEM Computer Science and Engineering Branch has participated and won second prize in Carnatic classical state level singing competition jointly organized by Sangitha Parishat, Mangalore and Bharathiya Vidyabhavan, Mangalore on 16 October 2016 at Sharada Vidyalaya Mangalore.