

SAMSMRUTHI

College Newsletter

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ALUMNI TALK

The Department of Electronics and Communication Engineering in association with Alumni Cell organized alumni interaction by Ms. Shilpa Shetty (2010-2014 ECE Batch) on 21 October 2019.

Ms. Shilpa Shetty began the talk with a few jokes to lighten the mood to make it more interactive. Her main focus was regarding the campus placements for the young graduates. She gave a good insight on the current statistics of the areas which needed more attention.

It was also encouraged that the graduates should not only focus on the IT for the campus placements but also to be interested in all the fields of Engineering. Ms. Shilpa focused on the need for having a good knowledge on Java, C, C++ & aptitude skills prior to attending any interviews.

Ms. Niveditha Hebbar welcomed the gathering and introduced the guest to the audience. Dr. Balachandra Achar, HOD, Department of ECE, thanked and presented the memento to alumna. Ms. Rajashree Nambiar and Ms. Shareen Noronha, Assistant Professors and Department Alumni Coordinators from the Department of ECE coordinated the event.



WORKSHOP ON INTRODUCTION TO VERILOG PROGRAMMING

Department of E&C Engineering, in association with IEEE Student Branch, organized a workshop on "Introduction to Verilog Programming" by Dr. C. P. Ravikumar, Director of Technical Talent Development at Texas Instruments, Bengaluru on 24 Oct 2019. Twenty-two students from 2nd year ECE, including seven from NMAMIT Nitte participated in the workshop and learnt the basics of Verilog.

In the first session, Dr. Ravikumar gave an introduction to Hardware Description Language (HDL) and its application in hardware design. He then introduced the students to the basic concepts of Verilog such as test-bench, simulation, verification, etc. In the second session he wrote programs for digital circuits such as majority detector, Half adder, BCD adder, Serial adder, Flip-Flops, Shift register and Binary counters.

HOD of ECE Dr. Balachandra Achar and IEEE branch coordinator Mr. Raghavendra Rao were present on the occasion and thanked the resource person for conducting the workshop.



SMVITM

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

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

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TECHNICAL TALK ON “HOW TO WRITE TECHNICAL PAPER”

The department of Mechanical Engineering in association with ISTE Student chapter has organized Technical talk on “How to Write Technical Paper” on Wednesday, 30 October, 2019 for the benefit of final year Mechanical Engineering students. Dr. Sudarshan Rao K, Professor and Head of the Department, Mechanical Engineering, SMVITM, Bantakal was the resource persons of the talk.

The talk includes how to find the suitable journal papers for the projects, technical paper and its different types, journal ranking methods, popular journal indexing agencies, details about structure of paper, checklist for submitting paper and publication ethics. Around 60 Students of Mechanical Engineering have attended the talk.

Mr. Ganesh Kalagi and Mr. Manjunath S, Sr. Assistant professors, Mechanical Engineering Department have coordinated this talk.



GUEST LECTURE ON INTEGRATED CIRCUIT DESIGN

The department of Electronics and Communication Engineering in association with ISTE Student Chapter organized a guest lecture in the topic of “Integrated Circuit Design” on 12 October 2019. Mr. Joseph Brian D’Souza, Design Engineer of NXP Semiconductors, Bengaluru was the resource person. The students of 3rd year ECE attended the lecture and enhanced their knowledge.

Mr. Joseph explained the requirements of electronics core industry. He correlated the subjects which the students study in academics with industry applications. He advised the students to have strong knowledge of fundamentals of electronics to get placed in core industry.

Third year student Mr. Aditya introduced the resource person to the audience and compered the program. HOD and ISTE office bearers were present during the event.



KANNADA RAJYOTHSAVA CELEBRATIONS AT SMVITM, BANTAKAL

The institutional wings of National Service Scheme (NSS), Youth Red Cross (YRC) and Rotaract Club of Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal, and the Institutional Extra Curricular Committee jointly organized Kannada Rajyothsava Celebrations in the institute premises on the 02 November, 2019.

The Principal Prof Dr. Thirumaleshwara Bhat inaugurated the program with a floral offering to Goddess Kannada Bhuvaneshwari. In his address to the gathering, he spoke on a number of salient points regarding the Kannada language and its upkeep.

He stressed on the recent trend of not speaking in Kannada despite being a Kannadiga as detrimental to the sustainability of the Kannada language.

The program was followed by many games related to Kannada and cultural programs presented by the faculty and students of the institute.

Mr. Kishor Kumar Aroor, the Institutional NSS / YRC / RC Coordinator, Mr. Ananthesh Rao, Institutional Extra Curricular Activity Coordinator, Heads and faculty members from various departments, Office bearers of NSS / YRC / RC and the Extra Curricular Committee and students of institute were present during the occasion.



PROSPECTS FOR E&C ENGINEERS IN THE FIELD OF EMBEDDED SYSTEMS DESIGN

Department of E&C Engineering in association with ISTE Student Chapter organized a Talk on the topic "Prospects for E&C Engineers in the field of Embedded Systems Design" on 04 November 2019. Mr. Raghavendra Bhat from CloudE, Mysuru was the resource person. Students of third year ECE attended the Talk.

In his talk Mr. Bhat explained the Embedded System Architecture, Components of Embedded Systems, and various types of input/output devices. He said that most of the industries need some kind of artificial intelligence and it can be implemented only using embedded system. No electronic product in the market is without embedded system. He presented a survey of future of embedded systems, and the opportunities it generates for E&C Engineers. Mr. Bhat motivated the students to undergo

internship in CloudE and do projects using embedded system.

HOD Dr. Achar thanked the resource person for sharing his thoughts with the students. Department ISTE coordinator Ms. Shashikala coordinated the event.



INVITED TALK ON BLOCKCHAIN BY MR. ACHAL POONJA

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 5th semester computer science students. The speaker had a comprehensive knowledge on the topic of Cryptography, Cloud computing and Blockchain. In a span of one and half hour he covered a wide range of subjects like crypto currency, application of block chain, future of the blockchain technology and its robustness in solving the real-time issues. The session was interactive and he clarified most of the doubts raised by the students and gave them tips on how to use this technology in their final year projects or in choosing a career path in the field of Information Technology.

The program was compered by Ms. Sowmya S., assistant professor department of CSE, several Faculty members of the department of CSE and Head of the Department Dr. Vasudeva was present during the session and the speaker was felicitated at the end of the event.



THREE DAY WORKSHOP ON INTERNET OF THINGS

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 6 to 8 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.

Inaugural ceremony of the event was held at the Central Computer Center on 6 November 2019. The Principal of the College Dr. Thirumaleshwara Bhat, Vice Principal Dr. Ganesh Aithal and Head of the department of CSE Dr. Vasudeva were present for the ceremony.

On the First day Following the Inauguration the workshop started with introduction to the Internet of Things. In the post lunch session the students were introduced to the Node MCU microcontroller, usage of various sensors and basic of microcontroller programming were taught to the students in details.

The second day started with the introduction to the Industrial internet of things and usage of the Firebase IOT platform form Google were taught to the students. In the afternoon session the students were able to interface the various sensors to Node MCU ad store the data on the Firebase database.

The third day started with the integrating of various sensors into the Node MCU and how to develop a real life application using these components were explained to the students. The students were asked to develop a mini project defining their own problem statement under the guidance of the resource persons. At the end of the day projects done by the students were presented to the participants.

On the end of the third day the resource persons were felicitated by the Head of the Department of Computer Science Dr. Vasudeva and he thanked them for their valuable session and making students understand the concepts of Internet of Things in details. The Institute ISTE coordinator Mr. Deepak Rao M and IEEE branch Councilor Dr. Vasudeva coordinated the entire event.



PLASTIC AWARENESS PROGRAM

Shri Madhwa Vadiraja Institute of Technology and Management in association with Women Empowerment Cell of SMVITM and Government Higher Primary School, Bajagoli jointly organized an awareness session on plastics for school children of higher primary school, Bajagoli on 16 November 2019.

The main aim of the program was to create awareness on plastic usage amongst children. Ms. Kavana, 3rd year student of Electronics and Communication Engineering, SMVITM created awareness amongst children about usage of plastics highlighting its evolution, health issues and environmental pollution issues.

She also made students aware about the fact that India is a country to use more plastics when compared to other countries which need to be taken into consideration by saying no to plastics and reducing its usage. President of School Development and Monitoring Committee (SDMC), Mr. Ravindra Shetty, Social Worker, Mrs. Gayathri Prabhu, Headmaster, Vijaykumar, teachers of Government Higher Primary School and Ms. Sowmya Bhat, Assistant Professor, Department of ECE, SMVITM were present for the awareness program. Headmaster welcomed the gathering and Ms. Kusuma Prabhu and Ms. Sowmya Bhat, Assistant Professors, Department of ECE, SMVITM, coordinated the program under the guidance of social worker, Mrs. Gayathri Prabhu.



ORIENTATION PROGRAM ON LEAD

Department of ECE organized an orientation program on "LEAD - A comprehensive Leadership Program" for the benefit of 2nd year ECE students, on Tuesday 12 November 2019 in the institute premises. Mr. Pramod Kumar from LEAD was the resource person.

In the orientation program, Mr. Pramod briefed about the importance of LEAD program, which was started by Deshpande Foundation to focus on youth leadership, foster social entrepreneurship and innovation among college students. This is done by exposing students to social issues and encouraging them to put their time and effort into community development. He said that LEAD teaches youth to consider themselves as an active part of

their environment and society, by raising civil awareness and commitment to public service.

LEAD hosts an annual leadership journey called "LEAD Prayana" and a leadership conference "Yuva Summit" which involves college youth and faculties. It is a platform to share, network, learn from each other and invited speakers. Mr. Pramod motivated the students to participate in this program and get benefitted.

Associate Professor Mr. Nagaraja Rao welcomed the gathering and introduced the resource person. Assistant Professors Mr. Sachin Prabhu and Mr. Ganesh Shetty, were present during the occasion. A total of 50 students participated in the program and got benefitted.



GUEST LECTURE ON "EMBEDDED SYSTEMS – CHALLENGES AND OPPORTUNITIES"

The department of E&C Engineering, in association with ISTE Student Chapter organized a Guest Lecture on the topic "Embedded Systems – Challenges & Opportunities" on 20 Nov 2019. Mr. Hanumantha Managoli, Proprietor of SYP Solutions Bengaluru was the resource person. The students of E&C Engineering participated in the program and enriched their knowledge in the subject.

During the lecture, Mr. Managoli spoke about various applications of embedded systems, ranging from simple home automation to satellites. He explained to the students about how the embedded system evolved, what are the challenges it poses and what are the opportunities it creates to budding electronics engineers.

He made the students realize that technological developments and improvisations are essential part of every engineer's life, and said that an engineer should cultivate the ability to grasp the ideas sooner and be able to modify the existing technology into much efficient and convenient ones. He said that one thing which is constant in life is change, and hence motivated the students to keep learning new technologies and adapt to the market needs. He also gave some tips to the students on what an industry expects from a fresh electronics engineer and methods to cultivate the same.

Earlier, Ms. Rushali Naik of 4th year ECE welcomed the guest speaker and introduced him to the audience. Vice Principal Dr. Ganesh Aithal thanked the speaker for sparing his valuable time to educate the budding engineers. Asst. Professor Mr. Krishna Kumar coordinated the program.



INVITED TALK ON "CAREER PROSPECTS FOR YOUNG ENGINEERS"

Shri Madwa Vadiraja Institute of Technology and Management, Bantakal in association with ISTE Student Chapter organized an Invited talk on 22 November 2019. Mr. Sreenivasa Ramanujam K, General Manager and Karnataka Lead - Academic Interface Program, Tata Consultancy Service, Bengaluru was the resource person. He addressed the third year Computer Science and Electronics and communication Engineering students of the college on the subject "Career Prospects for Young Engineers".

Mr. Ramanujam has 26 years of experience working in industry. He started his talk with a purview of the Industrial revolution over the years and how it transformed to current Industrial revolution 4.0, which is all about Digitalization and Technology Transformation. He focused on the need of developing multidisciplinary skills among the students by not just concentrating into their branch specific subjects, but to also understand the foundations of other branch.

He explained Social Media, Cloud Computing, Big Data Analytics, Mobility and AI & Robotics are the 5 Digital and technology drivers of today and highlighted the industry expectations from fresher's as they join the industry. He briefed on how the model of hiring today has changed from the traditional form to new methods of hiring through analyzing once coding skills, testing skills, participation in hackathons etc. He also highlighted the importance of internship in grabbing an employment opportunity. Finally, he shared a few tips with the students regarding the questions asked during the interview process and do's and don'ts when facing an interview.

The Placement officer Ms. Vidya Bhat introduced the guest. The Vice principal of the college Dr. Ganesh Aithal felicitated the guest with a memento. Apart from students few faculty members of the college were also present for the session



SCIENTIST OF VIKRAM SARABHAI SPACE CENTER, ISRO VISIT TO SMVITM

Sri. Saravanakumar and Sri. Shahajan, Scientist, Vikram Sarabhai Space Center, ISRO, Thiruvananthapuram (a constituent institution of ISRO) visited Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal on 23 November 2019. They interacted with the Principal, the Vice Principal and the HODs. They appreciated the state of the art infrastructure provided in the institute. Mr. Shripathi Bhat & team of Shantha Electicals, Udupi were also part in the interact session.



AVISHKAR 2K19- INTERCOLLEGIATE SCIENCE FEST FOR P. U. COLLEGE STUDENTS

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, under the aegis of the Student Chapter of the Indian Society for Technical Education (ISTE) organized Avishkar 2K19, the sixth edition of annual intercollegiate science Fest for Pre University College students of the Udupi, Dakshina Kannada, Uttara Kannada, Shivamogga, Chikkamangaluru and Kodagu districts at the institute premises on 29 November 2019. More than 200 students participated in science quiz, science model exhibition and group dance events.

The event was inaugurated by Dr. A P Bhat, Retd. Professor, PPC -Udupi and Shri Rathnakumar, Secretary, SSVMET.

The valedictory program and prize distribution ceremony was held in the evening.

The chief guest Dr. A P Bhat asked the students to learn from nature to build the science models. Mrs. Niveditha, Deputy Director, ISRO was another guest for the valedictory program. Mrs. Niveditha appreciated the effort of the institute to connect the academics with industry and innovation by arranging the programs like Avishkar. MES Chaitanya PU College, Sirsi won the overall championship and Excellent PU College Koteswara won the runner-up trophy.

Shri Rathnakumar, Secretary who was present on the dais requested the students to think beyond just getting the jobs after their education. H H Vishwa Vallabha Teertha Swamiji in his presidential address informed the students to strengthen Make-in-India model and thereby making India Vishwaguru in the world.

Dr. Thirumaleshwara Bhat, Principal, welcomed the gathering and Mr. Venugopal Rao, Coordinator of the program proposed the vote of thanks. Ms. Sowmya S and Mr. Karthik V introduced the guests. Ms. Shareen Noronha announced the prize winner list. Ms. Sneha D'souza compered the program.



ISTE BEST CHAPTER AWARD FOR THE YEAR 2019 TO BANTAKAL ENGINEERING COLLEGE

ISTE Faculty chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Udupi has been identified as the Best Faculty Chapter of ISTE Karnataka Section on the basis of activities carried out during the year 2018. Mr. Deepak Rao, faculty coordinator of ISTE chapter received the award during the inaugural function of 49th ISTE National Annual Faculty Convention held on 29 November 2019 at Siksha 'O' Anusandhan (Deemed University), Bhubaneswar (Odisha). The award consists of a medallion and a citation. The management, principal, staff and students of SMVITM have expressed their happiness for the chapter being honored with such prestigious National level award.



RECOGNITION IN IICDC 2019

SMVITM, Bantakal has been recognized as one of the top 30 engineering colleges in large number of participation in the contest 'India Innovation Challenge Design Contest 2019' (IICDC 2019). Also, Mr. Nagaraj Rao, Mr. Raghavendra Rao and Ms. Sowmya Bhat have been selected as the members of the "The Confederation of Elite Academicians of IICDC" recognized by AICTE, Texas Instruments, IIM Bangalore and DST.

*Compiled & designed by Mr. Ananthesh Rao K,
Asst. Professor, Dept. of Mechanical Engineering*

STAFF ACCOMPLISHMENT

Mr. Ganesh R Kalagi, Asst. Professor, Department of Mechanical Engineering has presented a paper titled "Performance characterization of Natural Fiber Reinforced Composites for Wind Turbine Blade application" and secured Second Prize in the International Conference on Recent Advances in Applied Sciences (ICRAAS-2019) organized by School of Applied Sciences, REVA University, Bengaluru on 17-18 October 2019.



STUDENT ACCOMPLISHMENTS

Kavya, Aishita M Hegde, Bhoomika J S, Vijalakshmi & Shreya S - Students of SMVITM, Bantakal have participated and won third place in the VTU Mangalore Zone Inter-Collegiate Table Tennis Tournaments (Women) 2019-20 held at A J Institute of Technology, Mangaluru on 16th November 2019. The Management, Principal and Physical Education Director have congratulated the students for their commendable accomplishments.

