

# SAMSMRUTHI

*College Newsletter*



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## SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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

**Accredited by NAAC with 'A' grade**

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**SMVITM**



## Virtual International Conference on Emerging Trends in Science and Engineering

The two-day Virtual International Conference on Emerging Trends in Science and Engineering (ICETSE-2020), was inaugurated by Dr.U.C.Niranjan, Director of Research & Training, Manipal Dot Net Pvt. Ltd. on 10 July 2020.

Speaking on the occasion, Dr.U.C.Niranjan, appreciated the efforts of the college for having organized this type of conference which is very much relevant in the fast growing field of science and technology. A lot of research work is happening around the world. He acknowledged the efforts of the students of our college who are actively involved in the project works related to IoT and Cloud Technology. In the critical situation of COVID-19, there are so many challenges as well as opportunities for advancement in the available technologies to meet digitalization through e-governance, e-learning and e-commerce. There are so many opportunities in these areas to develop newer technologies. He gave a call to the technocrats to use



the technology for constructive purposes.

Shri. Rathnakumar, Secretary of Shri Sode Vadiraja Mutt Education Trust, Udupi presided over the inaugural function. Dr. Thirumaleshwara Bhat, Principal, welcomed the gathering. Ms. Deepika B V introduced the Chief Guest and Dr. Balachandra Achar H V, Head, Department of Electronics and Communication Engineering, proposed the vote of thanks. Ms. Sneha D'Souza compered the program. The Convener of the conference, Dr. Sudarshan Rao K was present on the dais.

The inaugural function was followed by a keynote address on "Artificial Intelligence, Aviation and Agriculture", by Dr. Kota Harinarayana, Padmashri awardee and Former Vice Chancellor of Hyderabad University. More than 100 research papers were presented online by researchers, academicians and students across the country using Google Meet application. The entire program was organized keeping in mind the social distancing norms and as per the guidelines issued by the Government related to COVID-19.

## Faculty Development Program on "Changing Trends in Teaching-Learning"

Shri Sode Vadiraja Mutt Education Trust, Udupi in association with Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal, organized a Two Week Faculty Development Program on "Changing Trends in Teaching-Learning" at the institute premises for the faculty & staff members of the constituent institutions under Shri Sode Vadiraja Mutt Education Trust.

The inaugural ceremony of the program was held on 9th July 2020. Shri Rathnakumar, Secretary, SSVMET Udupi presided over the function where he opined about the importance of attending these type of FDPs which throw light on recent developments in the teaching learning process, and enlightened the participants about the need of online teaching in this pandemic situation. Dr. Thirumaleshwara Bhat, Principal of SMVITM, gave a brief prelude to the Two Week FDP on Changing Trends in Teaching-Learning and recognized the effort of SMVITM family members who conducted workshops and webinars during this pandemic period for the benefit of the faculty members of SMVITM and other engineering colleges.

More than 40 participants, from various institutions of SSVMET participated in the FDP. Mr. Pundarikaksha Kodancha, Principal of SVH PU College, Innanje, welcomed the gathering and Mr. V.G Baikadi, Headmaster of Kadiyali Higher primary School proposed the vote of thanks. Ms. Sowmya Bhat, Assistant Professor(Sr), Department of Electronics & Communication Engineering compered the program.



The valedictory function of the program was held on 4<sup>th</sup> August 2020. During the presidential remarks Mr. Ratnakumar, Secretary, SSSMET, Udipi stressed on the advantage of attending such programs to enhance online teaching skills. He also appreciate the faculty members of SMVITM for enriching the knowledge of the participants. 46 participants from various institutions of SSSMET participated in the FDP. Prof. Dr. Thirumaleshwara Bhat, Principal, SMVITM, Dr. Ganesh Aithal, Vice Principal, SMVITM, Mr. Pundarikaksha Kodancha, Principal, SVH PU College, Innanje, Mr. V.G Baikadi, Head Master, Kannada Higher Primary School, Kadiyali and Ms. Prabhavathi S Adiga, S.V.S English Medium Nursery and Primary School, Innanje graced the occasion. Ms. Sowmya Bhat, Assistant Professor (Sr), Department of Electronics & Communication Engineering compered the program.



### Faculty Development Program on "Online Teaching Tools"

Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal, under the Banner of ISTE Faculty Chapter organized a Three day Faculty Development Program on "Online Teaching Tools" at the institute premises, for the faculty members of PU Colleges of Udupi and Dakshina Kannada District.

Prof. Dr. Thirumaleshwara Bhat, Principal of SMVITM inaugurated the program on Monday, 10 August 2020 and stressed upon the importance and relevance of online teaching in the current situation. He also elaborated how the faculty members of SMVITM had become proficient on using various online teaching tools during the lockdown and how the same was utilized in the teaching-learning process in the institute. He thanked the participants who had come to attend this program out of interest and wished the program to be a successful one.

More than 30 faculty members, from 15 Pre University colleges of Udupi and Dakshina Kannada Districts participated actively in this event.

On 12 August 2020, Shri Rathnakumar, Secretary of Shri Sode Vadiraja Mutt Education Trust®, UDupi, while addressing the participants during the valedictory program emphasized the importance of moral values to be followed by each of us and also urged to inculcate these values in the youth so that, the amount of money spent on maintaining law and order, security, can be reduced and the same amount may be used for innovation to make our country Athma Nirbhar. While sharing their feedback, the participants expressed their happiness towards the selfless initiative taken up and the systematic execution of this FDP by SMVITM, to train the PU college faculty members on modern online teaching tools which were very much needed for the PU faculty members.

Prof. Dr. Thirumaleshwara Bhat, welcomed the gathering and Mr. Venugopala Rao A S, Coordinator of the Faculty Development Program, proposed the vote of thanks. Ms. Ramyashree, Assistant Professor, Department of Computer Science and Engineering compered the program. Dr. Ganesh Aithal, Vice Principal of SMVITM, Heads of various Departments and faculty members were also present during the program.



### Teachers Day Celebration at SMVITM

The ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal organized the Teachers' Day celebration at its premises.

Shri Sheshashayana Karinje, DDPI, Udupi was the Chief Guest for the event. In his inaugural address, he spoke about roles and

responsibilities of teachers in the present scenario of New Education Policy. The program was presided over by Shri. Ratnakumar, Secretary of Shri Sode Vadiraja Mutt Education Trust. In his presidential remarks, he advised the faculty members to motivate the students to take up competitive exams. Former Professor of Chemistry Dr. K K Srinivasan, Shri Sheshashayana Karinje, DDPI, Udupi and Shri



Ashok Kamath, Senior Lecturer of DIET were felicitated on the occasion for their contribution to the academic sector. Dr. K K Srinivasan, in his address shared his experiences of a long teaching career of over 46 years. Dr. Thirumaleshwara Bhat, Principal of SMVITM, and Dr. Ganesh Aithal, Vice-Principal of SMVITM were present on the dais.

The Principal, Dr. Thirumaleshwara Bhat gave a brief overview of the Teachers Day celebration and welcomed the gathering. The program began with an invocation by Ms. Sowmya S, and Ms. Ramyashree compered the program.



### Webinar for Teachers at SMVITM

The Department of Public Instruction, Udupi in association with PRIME Udupi had organized a webinar on "Teacher Empowerment" for the benefit of teachers across the state on 04 September 2020, at Shri Madhwa Vadiraja Institute of Technology and Management campus, as a part of Teachers Day celebrations.

The program was inaugurated by Shri. Sheshashayana Karinje, DDPI, Udupi. In his inaugural address, he spoke on the roles and responsibilities of teachers in the present scenario of New Education Policy. The inaugural program was presided over by Shri. Rathnakumar, Secretary of Shri Sode Vadiraja Mutt Education Trust. In his presidential remarks, he suggested the teaching community to motivate the students to take up competitive exams. More than one thousand participants from various schools and colleges across the state joined this webinar online. Dr. C K Manjunath, Student Welfare Officer of SMVITM and Shri. A P Kodancha, Principal of S.V.H. PU College, Innanje were the resource persons for this webinar. Shri. Ashok Kamath, Senior Lecturer of DIET, in his address, stressed on the need of life long learning, Dr. Thirumaleshwara Bhat, Principal of SMVITM, and Dr. Ganesh Aithal, Vice-Principal of SMVITM were present on the occasion. SMVITM had rendered all the required technical support for hosting this webinar.

### Engineers Day Celebration at SMVITM, Bantakal

The ISTE unit organized the Engineer's Day celebration on 15 September 2020, at the institute premises.

Mr. Gopal Bhat, President, Association of Consulting Civil Engineers and Architects, Udupi was the Chief Guest for the event. In his address, he stressed on inculcating a few good qualities like timeliness, honesty etc in our life. He expressed his concern about the gap between industry and academia and also expressed his willingness to help in all possible ways, to bridge this gap along with SMVITM.

Ar. Ramani Hande, ACE Technocrats Pvt.Ltd. Udupi, the Guest of Honour of the occasion, cherished the early days of planning the architecture of SMVITM and complimented the management, faculty and staff members of SMVITM for their contribution in making the visionary dream of Shri Swamiji a reality. She also expressed her interest to join hands with SMVITM in making eco-friendly energy saving buildings

in/for the future.

Shri Rathnakumar, Secretary, SSVMET, while delivering his presidential address complimented the coordinators of this event for identifying the right people to be invited as guests. He also declared the launching of Sir M V Elite Club for identifying and nurturing young

minds towards academic excellence and also to become successful entrepreneurs.

Dr. Thirumaleshwara Bhat, Principal, welcomed the gathering. Dr. Ganesh Aithal, Vice Principal was also present on the dais. Mr. Sooraj Kumar and Mr. Roshan Kotian introduced the guests.

The program began with an invocation by Mr. Manjunath S, Assistant Professor, Department of Mechanical Engg. and Ms. Sowmya Bhat, Asst.

Professor, Dept. of Electronics and Communication Engineering compered the program.



## Inauguration of YouTube session recording of Pre University Science Subjects

With the Technical Support from Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Department of Pre University Education, Government of Karnataka in association with Udupi District Pre University College Principal's Association and Udupi District Lecturers Association had organized a YouTube recording sessions for the First PUC subjects of Physics, Chemistry, Mathematics and Biology.

The inauguration of this event was held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal on 01 October 2020. Shri. Baghavantha Kattimani, Deputy Director Pre University, Udupi District was the Chief Guest of the event. Speaking on the occasion, he highlighted the importance of online teaching in the time of COVID - 19 Pandemic and about the measures taken by the PU Department. He also spoke about the preparation needed by the faculty to deliver the lectures in an effective manner so that the content covered, is easily understood by the students studying in any

remote village of Karnataka. He also appreciated the host college for providing the technical support to perform the recording in a fruitful manner. Shri. Rathnakumar, Secretary, SSVMET was the President of the event and in his presidential address, he assured the best possible support for all the activity undertaken by the Department of PU education in the teaching learning process and assured that the institution was equipped with good infrastructure to provide superb quality video recording.

Shri. Dayananda Pai, Secretary, Udupi District PU College Principal's Association, Shri. D. K. Moger, President, Udupi District Lecturers Association, Dr. Suma, Secretary, Udupi District Lecturers Association and Dr. Thirumaleshwara Bhat, Principal SMVITM, Bantakal were present on the stage during the inauguration ceremony.

Dr. Thirumaleshwara Bhat welcomed the gathering; Shri. D. K. Moger delivered the Vote of Thanks; Mr. Karthik V sang the invocation and Ms. Ramyashree compered the program.



## National Innovation Day Celebration at SMVITM, Bantakal

Shri Madhwa Vadiraja Institute of Technology and Management Bantakal celebrated "National Innovation Day" on 15, October 2020. The national Innovation Day was celebrated commemorating the birth anniversary of the former President of India, Bharat Ratna APJ Abdul Kalam. This Program was organized by Entrepreneurship Development cell and Innovation Cell of the Institute.

Speaking on this occasion, The Principal of the institute Prof. Dr. Thirumaleshwara Bhat shared the contributions of Dr. Kalam to the nation with the participants. He also stressed that the innovation is key to success of any nation and need to cultivate idea of innovation among the students.

The Vice Principal of the institute, Dr. Ganesh Aithal informed the gathering that innovations had happened even in ancient days and are still continuing in this century. He also shared his experience in the area of entrepreneurship and innovation.

Dr. C. K Manjunath, the Student Welfare Officer (SWO), described Dr. Kalam as the man with a vision. He told, Dr. Kalam always believed that hard work, courage and commitment are the key to the success and we need to follow in the footsteps of Dr. Kalam.

The Dean (Research), Dean (QA), Head of the Departments and Faculties of all the departments participated in the program. Mr. Arun Upadhyaya, coordinator of the program welcomed the gathering and Mr. Sandesh Kumar proposed the vote of thanks.





### Inauguration of the newly developed Virtual lab at SMVITM, Bantakal

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal witnessed the inauguration of the newly developed Virtual lab on 24 October 2020, the eve of Navarathri in the hands of Shri. Rathnakumar, Secretary, SSVMET, Udupi

Due to the COVID pandemic the students were not able to use the lab facilities available at the college. To cater the need of continuous learning of the students 'Virtual lab' was designed and developed by Dr. Raghavendra S. Associate Professor and team from the Department of Computer Science and Engineering. Currently it is available for Web development Lab and C Programming Laboratory and the department has plans to extend it to other laboratory subjects too. Briefing about its importance Dr. Raghavendra S. demonstrated the working of the virtual Lab application to all the faculty members of the college.

Shri Rathnakumar also re-launched the college website with new look and additional features.

Dr. Thirumaleshwara Bhat, Principal, SMVITM, Vice Principal, Deans, HoD's of all the department were present during the inauguration session along with the faculty members of the college.

Dr. Nagaraj Bhat, Head department of CSE organized the event and Mr. Venugopal Rao A. S compered the program.



### Golden Star Rating by IIC, Ministry of Education, Govt. of India to SMVITM, Bantakal

Shri Madhwa Vadiraja Institute of Technology and Management Bantakal achieved 4.5 golden star rating in the field of innovation, entrepreneurship related activities held during the academic year 2019-20. In the latest ranking released by the institution Innovation council, Ministry of Education, Govt. of India, the institute received highest ranking among many colleges in the South-West region.

In the year 2018, the Ministry of Education (MoE) through MoE's Innovation Cell (MIC) launched the Institution's Innovation Council (IIC) program in collaboration with AICTE for Higher Educational Institutions (HEIs) to systematically foster the culture of innovation and start-up ecosystem in education at institutions. Primarily, IICs' role is to engage large number of faculty, students and staff in various innovation and entrepreneurship related activities such as ideation, Problem solving, Proof of Concept development, Design Thinking, IPR, project handling and management at Pre-incubation/Incubation stage, etc., so that innovation and entrepreneurship ecosystem gets established and stabilized in HEIs. To meet these objectives of IIC, Ministry of Education, SMVITM established IIC cell in the institute in the year 2019 and conducted various activities to develop start-up culture among students and achieved this ranking in the very first year of establishment.

The IIC council of SMVITM consists of many prominent members. The team is led by Dr. Thirumaleshwara Bhat, Principal, Dr. Ganesh Aithal, Vice Principal and the President and Convener of IIC Mr. Arun Upadhyaya. The team also includes prominent external members from reputed institutes and industries such as Dr. Niranjan U C, Manipal Dot Net Private Limited, Manipal, Dr. Y Shrihari Upadhyaya, MUTBI, Manipal, Mr. Harish B, Premier Investments, Udupi, Mr. Chandrashekar Rao Kuthyar, SangamOne Connected Services Private Limited, Mumbai, Prof. B.S Revankar, Ex-Director, NITK-STEP, Suratkal, Mr. Narasimha Pai, Shree Matha Industries, Katapadi, Udupi. The students and faculty members are also part of the IIC.

The Management, Principal and IIC conveners had complimented all involved in this activity for this wonderful achievement.



### DISCOVER 2020 an IEEE Conference

Paramapoojya Shri Shri Vishwavallabha Theertha Shripadaru of Shri Sode Vadiraja Matha inaugurated the Fourth IEEE International Conference on Distributed Computing, VLSI, Electrical Circuits and Robotics - 2020 (IEEE DISCOVER 2020) organized by IEEE Mangalore Sub-Section on 29 October 2020 at Shri Madhwa Vadiraja institute of Technology and Management, Bantakal.

Shri Swamiji in his inaugural address said that “necessity and urge towards excellence and passion towards finding the truth would result in quality research.” Getting involved in quality research is very important, at the same time; sharing the outcome of such research is also equally important. Conferences of this kind would enable knowledge sharing among the interested people” Shri Swamiji also wished that the international conference being organized at SMVITM in its decennial year would ignite a new era of quality research at the institute.

Speaking on the occasion Dr. U C Niranjan shared a brief history of DISCOVER since the initial days of planning this conference structure as a bi-yearly event and how it has been providing a platform for

knowledge sharing among the knowledge seekers across the globe over the past four years.

Dr. Thirumaleshwara Bhat, Principal of SMVITM, welcomed the gathering and sought the blessing of Swamiji for the success of the conference in serving its motto of knowledge sharing.

The conference proceeding was released by Shri Rathnakumar during the inauguration. Dr. Balachandra Achar, Chair Program committee of the conference gave an overview on the keynote addresses and sessions to be held for the next two days on 30 and 31 of October 2020 as part of the conference.

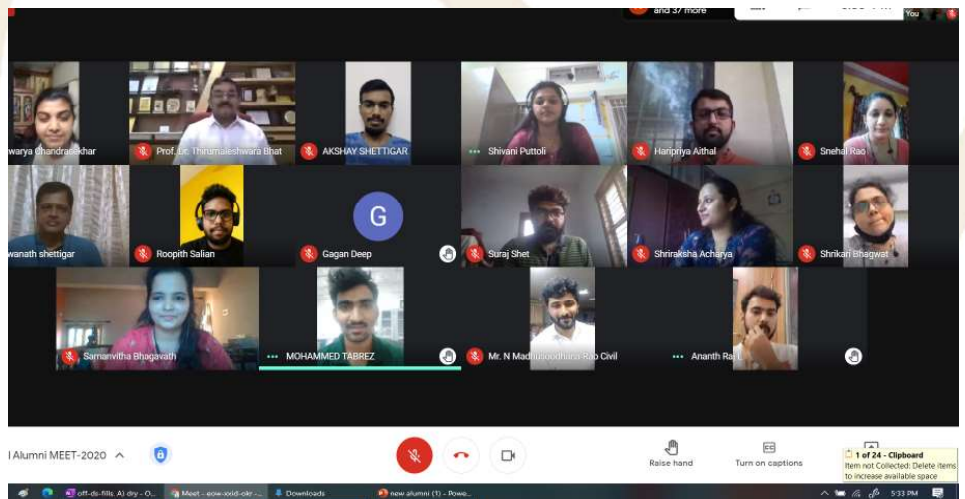
Dr. Ganesh Aithal, Vice Principal of the institute and also organizing chair of the conference proposed vote of thanks. Ms Sowmya S., Assistant Professor in the department of CSE compered the programme.

Members of the organizing committee of IEEE DISCOVER 2020; Office Bearers and Members of Executive Committee, IEEE Mangalore Subsection; Members of IEEE Student Branch at SMVITM; HoDs, faculty members and staff members of the college were present on this occasion.



### Virtual Alumni Meet of SMVITM held on 21 November, 2020

“Virtual Alumni Meet -2020” of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal was organized virtually on 21 November, 2020. More than 200 alumni members of SMVITM participated in this event and over 1000 members viewed this through YouTube live. Prof. Thirumaleshwara Bhat, Principal of the institution welcomed the participants and briefed on the achievements of the institute during the year 2019-20. Shri. Rathnakumar, Secretary, Shri Sode Vadiraja Mutt Education Trust, Udupi congratulated all the alumni for their continuous support to the institution. Mr. Roshan S Kotian, Assistant professor and Institutional Alumni coordinator informed role of alumni and events held by the association till date. “Shree Devadas Kapikad” Telikeda Bolli fame, Coastal wood actor joined as special invitee gave a positive vibe to become a successful person and also performed in the event. Ms. Sushma Udupa, B.E in Biotechnology, Carnatic Vocalist presently residing in Norway entertained the participants with melodious singing performance. As an entertainment program; activities, memory sharing and alumni performance were held. Mr Karthik V, Assistant professor from Department of Mechanical Engineering and Ms. Samanvitha Bhagavath, Alumna of SMVITM compered the event.





### C16 'Graduation Day – 2020' at SMVITM, Bantakal

The Graduation Ceremony for the seventh outgoing batch of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi, was held at the institute premises on Sunday, 13th December, 2020.

Mr Paneesh Rao, Chief People Officer, Mindtree, Bangalore Urban was the chief guest and delivered the graduation day address. He provided insights to the students from the perspective of a recruiter. He informed the graduates that in the corporate world, students are recruited more on the basis of their attitude, rather than their skills and knowledge. He said that skills and knowledge can be learnt, but attitude is something that we are born with.

Shri Vishwavallabha Teertha Swamiji of Sode Vadiraja Mata handed over the gold medals for the branch toppers. Mr Nagarjuna S G of Civil Engineering department, Ms Vidisha P Shet of Computer Science and Engineering, Ms Thejashree of Electronics and Communications Engineering and Mr Deepak Achar of Mechanical Engineering won gold medals for their splendid academic performance. Mr. Shreyas Prabhu and Ms. Rushali Naik received "Shri Madhwa Vadiraja Prashasti" from revered Swamiji for their outstanding performance.

Principal Dr. Thirumaleshwara Bhat welcomed the gathering. Shri Ratnakumar, Secretary, SSVMET, appreciated the efforts of the students even during the COVID-19 pandemic, and encouraged them for their careers.

In his presidential address, Shri Vishwavallabha Teertha Swamiji congratulated the students and wished them luck for their futures.

HoDs of engineering branches presented the graduates list. Dr. Sudarshan Rao, Dean Quality Assurance, announced the names of branch toppers. Dr. Reena Kumari, Head, Dept. of Chemistry introduced the Chief Guest. The Vice Principal, Dr. Ganesh Aithal, administered the Oath for the seventh outgoing batch of graduates.

Dr. Lilita Priya Castelino, HOD of Dept. of Mathematics delivered the vote of thanks. The event was compered by Ms. Sneha Josvita D'souza from the Department of English and Ms. Renita Sharon Monis from the Department of Mathematics.

The entire program was conducted with strict adherence to MHA and VTU Guidelines. Adequate social distancing and use of sanitizers and masks were ensured at all times.





## Vanamahotsava program

The National Service Scheme (NSS), Youth Red Cross (YRC) and Rotaract Club (RC) had organized Vanamahotsava program at the institute premises on Tuesday, 9th July 2020. Shri Rathnakumar, Secretary, SSVMET inaugurated the program by planting a sapling. Prof. Dr. Thirumaleshwara Bhat, Principal, Dr. Ganesh Aithal, Vice Principal, Mr. Kishor Kumar Aroor, Coordinator, NSS wing of the institute, HODs of various departments, faculty and staff members and a few selected NSS members participated in the event.

Fruit tree and timber wood saplings were planted in the campus during the program. The program was held as a part of the on-going efforts to make the campus greener and more beautiful.



## Session on “Developing Online Teaching Skills”

The Internal Quality Assurance Cell (IQAC) in association with ISTE Faculty Chapter of SMVITM, Bantakal, organised a session on “Developing Online Teaching Skills” for the benefit of Faculty of SMVITM, on 17th October 2020 at the institute premises. The resource person for this session was Mr. Jagdish Acharya, CEO, Paints and Coatings Skill Council and also Honourable Governing council member of the institute.

Mr. Acharya Addressed the participants online and the Faculty gained many insights and ideas, which were especially useful during the current scenario of online teaching. Mr. Acharya began the session by highlighting common problems faced by faculty and students during the online classes and proceeded by providing ideas on different considerations which a faculty should take into account, before, during and after the online class. He concluded the session by providing some useful tips to the participants.

Mr. Sooraj Kumar, secretary, ISTE Faculty chapter welcomed the gathering and introduced the resource person to the participants. Dr. Sudarshan Rao, Dean, Quality Assurance on behalf of SMVITM, expressed his gratitude to Mr. Jagdish Acharya for the fruitful session.

Principal, Prof. Dr. Thirumaleshwara Bhat, Vice Principal, Dr. Ganesh Aithal, Deans, HoDs of various departments and faculty were present during the session.



## Hands on Session on Effective use of XP Pen for online teaching

Internal Quality Assurance Cell (IQAC) in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management has organized “Hands on session on effective use of XP pen in online teaching” for the benefit of faculty members of the institute on 23 October 2020, at the institute premises. Dr. Sudarshan Rao, Dean (Quality Assurance) and Professor of Mechanical Engineering at SMVITM was the resource person of the session. Dr. Rao in detail explained the use of Xournal software for the online teaching-learning process. Mr. Sudhir, Assistant Professor (Sr.) Mechanical Engineering, was also a resource person and during the session he demonstrated the use of XP Pen/Jam board to the participants giving information about various insights of the equipment. The participants showed keen interest and were interactive during both the sessions. Dr. Thirumaleshwara Bhat, Principal, SMVITM, Dr. Ganesh Aithal, Vice Principal congratulated the participants during the occasion. ISTE office bearers Mrs. Renita Sharon Monis and Dr. Pavana Kumar coordinated the program.





### Workshop on “Idea Generation”

Shri Madhwa Vadiraja Institute of Technology and Management Bantakal conducted a workshop on “Idea Generation” on 18 and 19, November, 2020 for the benefit of the students. The Program was organized by the Entrepreneurship Development cell of the institute and conducted using an on-line platform. Prof. B. S Revankar, Ex-Director, NITK-STEP, Suratkal was the resource person for

the program. Prof. Revankar, explained to the participants that, an idea can be generated by identifying the problems in the society, observing the surroundings, Innovation in Technology, looking at available resources also demand in the society. He quoted many ideas which were implemented by startups even during the COVID Pandemic and such situations gave opportunities for new inventions. The

Students participated in large numbers and interacted with the resource person. Dr. Ganesh Aithal, Vice Principal, and Faculties were present during the session. Mr. Arun Upadhyaya, coordinator of Entrepreneurship Development Cell welcomed and introduced the resource person and Mr. Sandesh Kumar proposed vote of thanks at the end of the program.

### Invited talk on “Rights under Constitution and Protection of Women in Working Environment”

The College Internal Complaints Committee (CICC) of SMVITM, Bantakal, had organized an Invited talk on “Rights under Constitution and Protection of Women in Working Environment” for the faculty and staff members on 20th November, 2020 from 2.30pm to 3.30pm.

On this occasion, the Principal briefed about the importance of College Internal Complaints Committee of the Institute, as well as its roles and responsibilities.

Adv. Vani V. Rao, in her talk explained about the rights of women in India; both the Constitutional Rights and Legal Rights. i.e. Right to Equality, Right to Freedom, Right to Life, Right against Discrimination etc. She highlighted the Vishakha and Geetha Hariharan case, and mentioned about the new laws and amendments that were implemented because of these cases. In addition to that, she also explained how the Sexual Harassment of Women at Work Place Act (2013) works and what is the necessity of enforcing it - it provides protection to women from sexual harassment at all workplaces, both in public and private sector, whether organized or unorganized.

The talk was conducted for the benefit of the teaching and non-teaching staff of the institute. The Principal, Vice Principal, Deans, the Coordinator-CICC, HODs, the teaching and non-teaching staff members were present during the talk. The program was compered by the Student Welfare Officer (SWO) of SMVITM, Dr. C K Manjunath.



### “HANDS ON SESSION ON USE OF ONLINE TOOL (MENTIMETER) IN ACTIVE LEARNING TECHNIQUES”

IQAC in association with ISTE faculty chapter organized “Hands on session on use of online tool (Mentimeter) in active learning techniques” by Dr. Sudarshan Rao K., Dean (QA), SMVITM on Dec 02, 2020 at 3:00PM at the institute premises.

Dr. Rao started the session with explaining active learning techniques which is the need of the hour and told that how we can conduct online quiz, class polls, minute paper, and feedback of the daily classes using Mentimeter online tool. Speaker proceeded with hands-on demonstration to build interactive presentations slides. Sir concluded the session with explaining to collect segment responses to get deeper insights.

The participants showed keen interest and were interactive during the sessions. Dr. Udaya Prasanna, Professor, ME Department handed over the thanks letter to the speaker. Ms. Rajashree Nambiar, Sr. Asst. Professor, ECE Department compered the program and ISTE coordinator Mr. Chetan coordinated the program.



### MY STORY - Motivational Session by Successful Start-up Founder at SMVITM, Bantakal

Shri Madhwa Vadiraja Institute of Technology and Management Bantakal conducted a workshop on “MY STORY - Motivational Session by Successful Entrepreneur/Start-up Founder” on 04, December, 2020. The Program was jointly organized by the Institution’s Innovation Council (IIC) and Entrepreneurship Development cell of the institute and conducted on-line mode.

Mr. Hiren Bhanderi Founder, Myoot Technologies Private limited, MUTBI, Manipal participated as the resource person of the program. During the session, Mr. Bhanderi encouraged the students to grab the opportunities to become successful entrepreneurs rather than focusing on finding jobs.



Mr. Hiren also explained key areas to focus to start their own venture such as focusing on team building, creating momentum, marketing, survey of product, solving the real life problems. He also informed the participants, the benefits of becoming an entrepreneur. Mr. Bhandari demonstrated the electric kick scooter, product developed by his team.

The Students participated in large numbers and interacted with the resource person. Dr. Ganesh Aithal, Vice Principal, and Faculties were present during the session. Mr. Arun Upadhyaya, coordinator of Entrepreneurship Development Cell welcomed and introduced the resource person and Ms. Usha H proposed the vote of thanks at the end of the program.

### Webinar on "Indian food : A boon to healthy lifestyle and weight management "

Women Empowerment Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal organized a webinar on "Indian food : A boon to healthy lifestyle and weight management" on 8<sup>th</sup> December 2020. Ms. Deepika B V, Assistant Professor (Sr.), Civil Engineering department was the speaker. It was conducted through online platform for the faculty, staff members and students

of SMVITM. In the webinar she spoke on weight management, its principles and how to follow this in our daily life. She also explained about different types of healthy food, its proportion and the need to avoid junk food. This webinar was organized by Ms. Dhanyashree Vinay, Coordinator of Women Empowerment Cell, and Ms. Soumya, Assistant Professor Computer Science department introduced the resource person and compered the program.

### Design Thinking workshop

Shri Madhwa Vadiraja Institute of Technology and Management Bantakal conducted a workshop on "Design Thinking, Creative Thinking, and Innovation Design" on 24, December, 2020. The Program was jointly organized by the Institution's Innovation Council and Entrepreneurship Development cell of the institute.

Dr. Sudhir Raj K, Professor, Justice K. S Hegde Management Institute, Nitte, Karkala participated as the resource person of the

program. During the session, Dr. Sudhir Raj described how thinking originates in brain and how it can be used for creating innovation. He quoted several examples of well-known innovators and their contribution to the society.

Dr. Raj advised students to be experimenter and never loose heart when they are unsuccessful. He also informed that creative thinking is very essential for defining and solving problems.

The Students of the institute participated

in large numbers and interacted with the resource person.

Dr. Ganesh Aithal, Vice Principal, and Faculties were present during the session Mr. Arun Upadhyaya, coordinator of Entrepreneurship Development Cell welcomed all the partipants, Mr. Deviprakash introduced the resource person and Mr. Madhukar Nayak proposed the vote of thanks at the end of the program.

### Webinar on "Ozone Layer Depletion – The Current Scenario"

The Department of Chemistry in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal had a organized a webinar on "Ozone Layer Depletion – The Current Scenario" for the benefit of the faculty members, researchers and students across the state on 16 September 2020, at the institute premises, as a part of the World Ozone Day celebrations.

Dr. A Ganesh, Associate Director, International Centre for Applied Sciences, MAHE, Manipal was the resource person of the webinar. In his address, the resource person explained about the importance of ozone layer for the existence of life on earth, the causes and consequences of ozone layer depletion and the current status of ozone layer depletion. The speaker also spoke about the precautions that need to be taken to safeguard the ozone layer from deteriorating any further.

The webinar was hosted online, using Google Meet application. Hundreds of participants, across the state had joined this webinar. Mr. Deepak Rao, the ISTE coordinator and the Head of Chemistry Department, Dr. Reena Kumari along with the faculty members, Dr. Subbulakshmi N. Karanth and Ms. Raviprabha had organized this event.

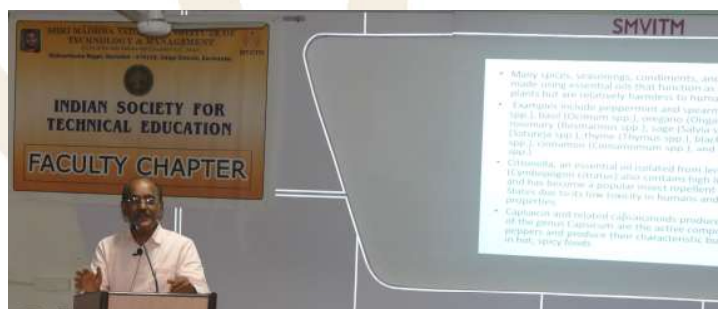
### INVITED TALK ON "COMMERCIAL PROSPECTS OF VALUE ADDED MEDICINAL PLANTS"

The Department of Chemistry, along with the ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal had conducted an Invited talk on "Commercial Prospects of Value Added Medicinal Plants" on 10 November 2020, at the institute premises. Dr. K. K. Srinivasan, Retd. Professor, Department of Chemistry, SMVITM was the resource person..

In his talk, he explained about various products, produced by the common medicinal plants which are available in our surroundings, and their

prospective global market growth and value in the near future. He also emphasized the importance of maintaining a balanced diet, consumption of adequate amount of water and fiber rich food to keep the body fit and fine.

The talk was conducted for the benefit of the teaching and non-teaching staff of the institute. The Vice Principal, Deans, HoDs, teaching and non-teaching staff members were present during the talk. The program was compered by Dr. Subbulakshmi N. Karanth and Ms. Raviprabha K of Chemistry Department with the assistance of ISTE Faculty Chapter member Ms. Renita Sharon Monis.





### “APPLICATION OF MATHEMATICS - RECENT TRENDS” - NUMBER THEORY

The Department of Mathematics, SMVITM, Bantakal in association with ISTE Faculty Chapter, organized a webinar series with the title “Application of Mathematics in Engineering – Recent Trends” starting from 21 November 2020 to 19 December 2020, every Saturday from 11 AM to 12 PM for faculty members and research scholars of various institutions through Google Meet.

The first session was on the application of Number Theory, titled “The Number Theory - Purest of Pure Mathematics when Applied” and was delivered by Dr. Vasudeva, Dean - Research & Consultancy,

SMVITM, Bantakal on 21 November 2020 from 11.00 AM to 12.00 PM. Dr. Vasudeva, in his talk, explained about the origin and development of Number Theory. He gave an insight on the contribution of Number Theory by the great mathematician Ramanujan. He also explained about various subdivisions of Number Theory as well as important applications of Number Theory. 37 participants benefited from the talk.

Dr. Lolita Priya Castelino, HOD, Mathematics welcomed the participants and spoke about the objectives of the webinar series. The coordinator of the webinar series, Ms. Dhanyashree Vinay introduced the resource person to the participants and compered the session.

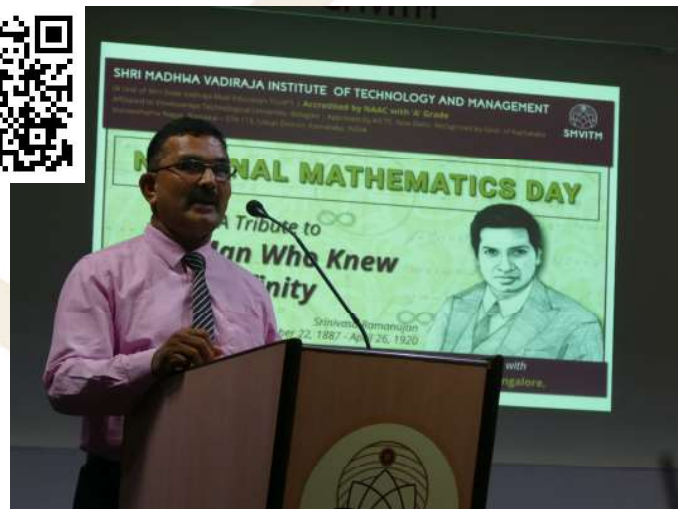
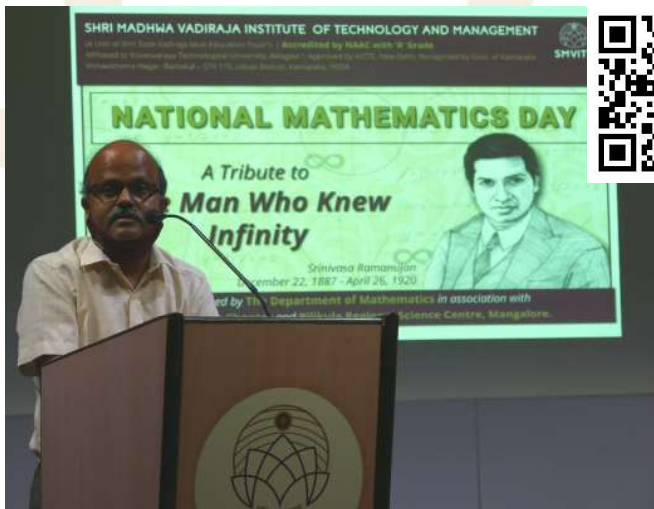
### “National Mathematics Day”

The Department of Mathematics in association with the Faculty Chapter of Indian Society of Technical Education (ISTE) of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal and Pilikula Regional Science Centre (PRSC), Mangaluru, organised an invited talk on 23 December, titled ‘Mathematics - We experience’, on account of “National Mathematics Day”, to commemorate the 133rd birthday of the great Indian Mathematician Shri Srinivasa Ramanujan. Dr. Raghavendra A, Principal, Poornaprajna College, Udupi was the resource person. In his talk, he spoke about how mathematics is experienced in life. People use mathematics in every aspect of life knowingly or unknowingly. He illustrated how the mathematical solutions are found or thought of for different problems. He also explained how mathematical inventions were made in India from the

prehistoric era till date.

Dr. Thirumaleshwara Bhat, Principal, SMVITM, provided a brief introduction about the program. Dr. Vasudeva, Professor and Dean - Research & Consultancy, SMVITM, delivered the introductory session on “The man who knew infinity – Srinivasa Ramanujan”.

As part of the National Mathematics Day celebration, a quiz was conducted for the students and faculty members. The program was streamed live on the YouTube channel of the institute. About 400 science and maths teachers of Dakshina Kannada and Udupi district were a part of this event. Ms. Renita Sharon Monis, Sr. Assistant Professor, Department of Mathematics compered the program. The event was sponsored by Pilikula Regional Science Center, Mangaluru.



### Webinar Series on “Application of Mathematics in Engineering - Recent Trends” at SMVITM, Bantakal

The Department of Mathematics, in association with the Faculty Chapter of Indian Society of Technical Education (ISTE) of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised a webinar series with the title “Application of Mathematics in Engineering - Recent Trends” starting from 21 November 2020 to 19 December 2020, every Saturday from 11.00 am to 12.00 pm for the faculty members and research scholars of various institutions, through Google Meet. Dr. Lolita Priya Castelino, HOD, Mathematics, inaugurated the event on 21-11-2020 with the introductory remarks. Dr. Vasudeva, Professor and Dean - Research and Consultancy, SMVITM, Dr. B.R. Shankar, Professor, NITK, Surathkal, Dr. Santhosh George, Professor, NITK, Surathkal, Dr. Rituparna Sen, Associate Professor, ISI Bengaluru, Dr. Jidesh P, Assistant Professor, NITK, Surathkal were the different resource persons who addressed the participants on the recent trends in Mathematics and its application. The programme helped in enhancing the knowledge of around 100 enthusiastic participants in the field of Mathematics. The programme was beneficial to the Faculty members and Research Scholars who intend to practice/begin research in the field of Number Theory, Linear Algebra, Functional Analysis, Statistical engineering, and Principal component and its applications etc.

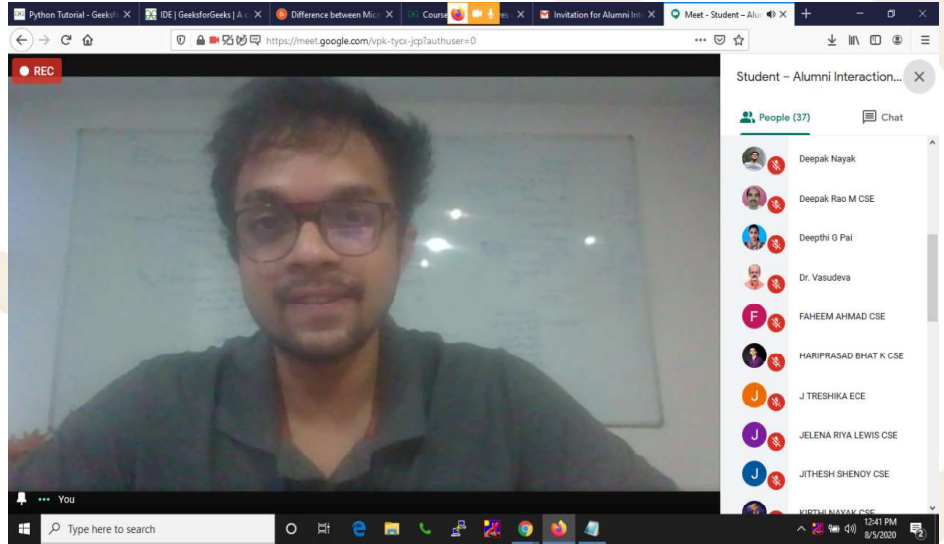
The valedictory session of the webinar series was held on 19-12-2020 with the concluding remarks delivered by Dr. Lolita Priya Castelino, HOD of Mathematics, SMVITM, Bantakal. Ms. Dhanyashree Vinay, the faculty coordinator for the event, Ms. Renita Sharon Monis, ISTE Coordinator, Ms. Bhagyalaxmi Navada and Ms. Nisha Reena Nazareth, faculty members from the Department of Mathematics, helped in the smooth conduction of the programme.



## Alumni Talk by Mr. Namdev Nayak

The Student-Alumni interaction activity by Mr. Namdev Nayak (2014-2018 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 05 August, 2020. The students of SMVITM were the beneficiaries of this program. Mr. Namdev Nayak is currently working as Associate Software Engineer, Uttunga Technologies, Bengaluru. He shared his experience about working in Uttunga Technologies. He briefed about the work culture and different levels and how to progress in Corporate life and activities. Also he talked about the current trends and importance of grabbing the opportunities wherever possible.

The Speaker gave suggestions on how to apply for any companies and also talked about etiquette to be followed while appearing for interviews. He briefly described about Robotics and IoT, also explained about the importance of Resume and LinkedIn Profile. Pros and Cons of Freelancing were discussed in the session. He gave some tips for attending Interview and gave



an idea about technological world. Queries of the students were answered by the speaker at the end of the session.

Ms. Ramyashree welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

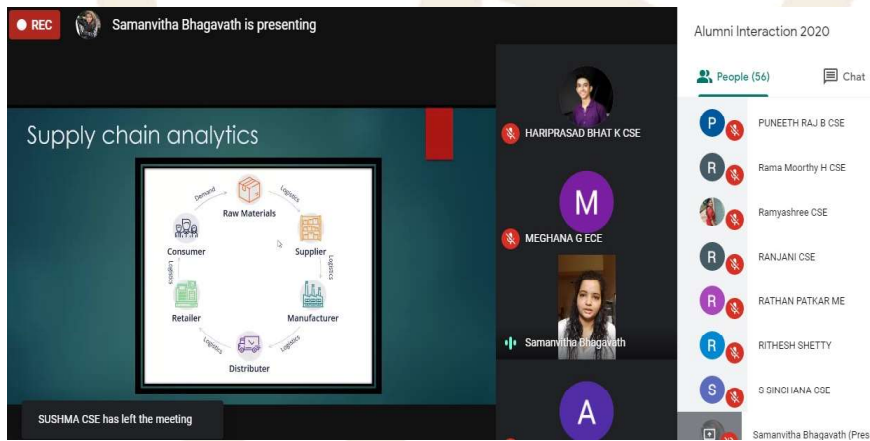
## Alumni Talk by Ms. Samanvitha A Bhagavath

The Student-Alumni interaction activity by Ms. Samanvitha A Bhagavath (2015-2019 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 06 August, 2020. The students of SMVITM were the beneficiaries of this program. Ms. Samanvitha A Bhagavath is currently working as Trainee Data Decision Scientist, Mu Sigma Inc., Bengaluru. She shared her work experience in Mu Sigma Inc., Bengaluru. She spoke about how

engineering helps in coping up with corporate life. She stressed upon importance of co curricular/ extra-curricular activities also importance of listening to lectures/trainings and how it helps in while facing interviews. She also shared her work experience and also provided tips on work - life balance. Ms. Samanvitha highlighted the importance of soft-skills, behaviours and communication skills in the corporate world.

Ms. Samanvitha A Bhagavath provided enough information about Training period, Projects, Project structures and Various technologies that are being used in the Companies. She also gave some useful tips for reducing the work stress. She also discussed about the topic "How the pandemic affected the company"? She gave a brief idea about the placement drive process and also mentioned the useful sites for preparing for placements, like Indiabix, HackerRank etc.

Ms. Deepthi G Pai welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.



## Alumni Talk by Ms. Sushmitha Baliga

The Alumni Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with the Department of Computer Science and Engineering had organized Student-Alumni interaction activity by Ms. Sushmitha Baliga on 07 August, 2020 at 4.00 PM through Google Meet.

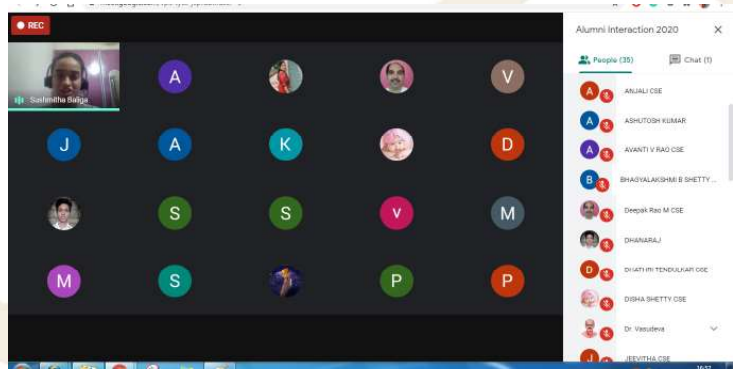
She was a student of batch 2014-2018 Computer Science and Engineering. She is currently working as DFT CAD Engineer, NVIDIA Graphics, Bengaluru. Ms. Sushmitha Baliga shared few tips on pursuing M.Tech and advantages of having Master's Degree. She gave several tips on facing interview, current job opportunities in post COVID situation.

She spoke about the best career options after engineering for students who are wondering what to do after engineering. She shared insights on higher studies and about corporate world experience. She also pointed out various challenges the graduates have to face, the skills/



qualities that are needed in order to succeed in the technological world like communication skills, being a good listener, being proactive etc.

Mr. Deepak Rao welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event. HoD of CSE Dr. Vasudeva, faculty members of the department and students of SMVITM attended the event.



### Alumni Talk by Ms. Sanchitha B

The Alumni Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Department of Computer Science and Engineering had organized a Student-Alumni interaction activity by Ms. Sanchitha B on 08 August, 2020 at 10.00 AM through Google Meet. She was a student of batch 2014-2018 Computer Science and Engineering. Ms. Sanchitha B is currently working as Software Engineer, Accord Global Technology Solutions Pvt. Ltd., Bengaluru. She gave several tips on facing interview, current job opportunities in the post COVID situation. She addressed the students regarding the industry expectation on their domain expertise. The skills required to be acquired by the students in their domain was conveyed to the students.

She shared a few tips on placement preparations and that one should follow 5'Ps like Potential, Passion, Patience, Plan, Preservation

and also briefed about Step-by-Step Guide to Prepare for Campus Placements. Ms. Sanchitha pointed out the interview experience with different ideas like Study the job description, Review the application materials, Make clear connections and Practice the answers. She explained the importance of team work and taking up responsibilities and completing it on time. She also expressed that with just B.E degree learning won't stop, we should have the attitude of learn as you earn to keep yourself updated in corporate world. So it was really an informative session.

Ms. Ramyashree welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree and Ms. Deepthi G pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event. HoD of CSE Dr. Vasudeva, faculty members of the department and students of SMVITM attended the event.

### Alumni Talk by Mr. Rahul Tantry

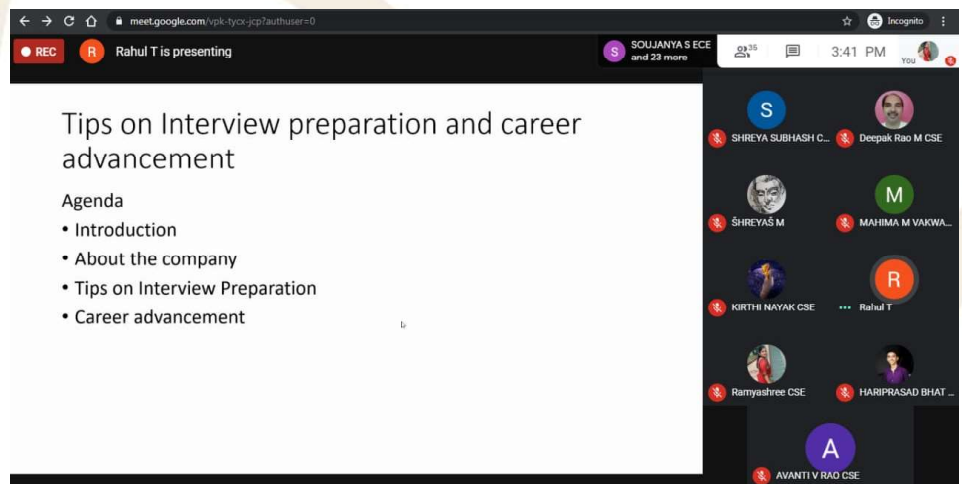
The Student-Alumni interaction activity by Mr. Rahul Tantry (2011-2015 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 08 August, 2020. The students of SMVITM were the beneficiaries of this program. Mr. Rahul Tantry is currently working as Senior Software Developer, Siemens Technology and Services Pvt. Ltd., Bengaluru. Mr. Rahul Tantry provided several tips on interview preparations and career advancements. He also shared his work experience in Siemens and also gave a brief about how the job has affected his entire lifestyle.

Mr. Rahul Tantry gave an insight about why masters? And how it benefits one's career. He also reminded that by earning a master's degree you can significantly increase your salary. He shared few tips on interview preparation where he mentioned about the importance of rereading the job description, telling the stories with a clear situation, task, action and result. He also disused why is it important to recruit a friend to practice answering questions.

Speaker also shared his experience while doing internship at SangamOne Bangalore during final year. He also displayed video

briefing about his company. It was an interactive session and student participants were involved in the Q & A session where they got their doubts cleared.

Ms. Ramyashree welcomed the gathering and introduced speaker to the audience. Mr. Deepak Rao M Institutional ISTE Faculty Chapter Coordinator, Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

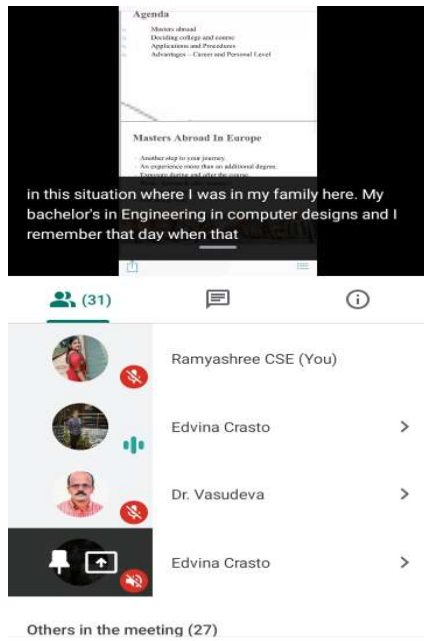


### Alumni Talk Ms. Edvina Trema Crasto

The Alumni Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Department of Computer Science and Engineering had organized Student-Alumni interaction activity by Ms. Edvina Trema Crasto on 28 August, 2020 at 04.00 PM through Google Meet.

She was a student of batch 2012-2016 Computer Science and Engineering. Ms. Edvina Trema Crasto completed her MS in information systems





ESIGELEC France. Ms.Edvina gave an insight on why Masters in Abroad? Also on when, where and how to apply for Masters? She gave clear information about higher studies in Abroad, job fairs, internships and opportunity to research position within University. She motivated the students and guided them on how to start a new journey and choose a career and to be successful.

The idea behind the whole of her session was to highlight the importance of knowledge that a student learns during the course and its application in the real world problems. She gave insight on making a decision on college, the course, how the application? Procedures etc in EUROPE. She also spoke about favorite destination for pursuing higher education in Europe and provided some insights regarding the scholarship scheme available for students. She interacted with the students and cleared their doubts. The session was interactive and fruitful.

Ms. Ramyashree welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree and Ms. Deepthi G pai, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event. HoD of CSE Dr.Vasudeva, faculty members of the department and students of SMVITM attended the event.

### Faculty Development Program on Recent Trends in Data Science Applications

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised an Online Faculty Development Program on Recent Trends in Data Science Applications from 23-11-2020 to 27-11-2020. The event was organized by the Department of Computer Science and Engineering in association with the ISTE Faculty Chapter.

Dr. Vasudeva, Professor and Dean R&C of SMVITM, Bantakal inaugurated the event on 23-11-2020 and presidential remarks to the function delivered by our Governing Council Member Shri. Jagdish Acharya.

Mr. Girish Aithal, Director & Learning Solutions Head, 4Edge IT solutions,

Mangaluru, Dr. Ajay Shenoy, Lead AI Scientist, Target Corporation, Bengaluru, Dr. Nagaraj Bhat, H.O.D & Associate Professor, Department of Computer Science and Engineering SMVITM, Bantakal, Dr. Sejal Santosh Nimbhorkar, Associate Professor Department of CSE, B.N.M Institute of Technology, Bengaluru and Dr. Praveen G B Postdoctoral Research Associate, Division of Informatics, The University of Manchester, U.K were the different resource persons who addressed the participants on the recent trends in Data Science and information retrieval techniques.

The programme helped in enhancing the knowledge of around 100 enthusiastic participants in the field of Data Science. The programme was beneficial to the

Faculty members and Research Scholars who intend to practice/begin research in the field of processing and analysis of data using advanced techniques such as Artificial Intelligence, Machine Learning, Deep Learning etc.

The valedictory session of the Faculty Development Program was held on 27-11-2020 with the concluding remarks delivered by Dr Sudarshan Rao K, Dean QA of SMVITM, Bantakal.

Dr. Raghvendra S, Mr. Shrinivasa, Ms. Sneha N S, Mr. Manjunath A S of the computer Science Department and Mr. Chetan R, Institute ISTE Coordinator were the faculty coordinators who played a major role in the smooth conduction of the programme.

### HAKOPEDIA- EVERYTHING YOU NEED TO KNOW ABOUT HACKATHON

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal organised an Online Peer Learning Webinar – “Hackopedia – Everything you need to know about Hackathon” on 28th November 2020, from 3:30 pm to 5:30 pm. The event was organized by the Department of Computer Science and Engineering in association with the ISTE Student Chapter. X to Infinity team members were the guest speakers for the event. Raunak Choudhary from 7th semester CSE delivered the welcome address. Sushmitha N from 5th semester CSE introduced the speakers. Deepak Nayak and Harikrishna R from 7th semester CSE were the speakers from X to Infinity Team.

The speakers gave an insight to the participants about what hackathons were, shared some tips for hackathons, informed about various tools that could be used in a hackathon, and answered all the questions which the participants had asked during the session. The speakers also shared their past experiences of participating in the hackathons. The webinar was conducted through Google Meet. It was also streamed live on YouTube where the participants from outside the institution were watching it. There were around 90 enthusiastic participants throughout the session. The vote of thanks was given by Avanthi V Rao from 3rd semester year CSE. Shrutha V Bhat from 3rd semester CSE was the event moderator. Bhargavram Udupa T from 3rd year CSE handled the registrations and feedbacks. Ganesh Hathwar B S of 5th semester CSE helped the team in designing the flyer for the event.

Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Ms. Sneha N S and Mr. Deepak Rao M faculty from Computer Science Department played a major role in the smooth conduction of the programme.

### “PRE-EMPLOYMENT APTITUDE TESTS – PREPARATION AND APPROACH”

The Department of Computer Science and Engineering in coordination with ISTE Student Chapter had organized an online Technical Session

on “Pre-employment Aptitude Tests – Preparation and Approach” on 19th December 2020 through Google meet platform.

In the session, Mr. Manohar, spoke about how the aptitude questions can be solved quickly and the importance of aptitude tests in industry.



He also gave an idea on what industry expects from aptitude tests. He concluded the session by giving a test on various aptitude questions and the students were able to solve the given questions.

Mr. Raunak Choudhary, final year student, Dept. of Computer Science and Engineering introduced and welcomed the resource person. Mr. Manjunatha A S, Assistant Professor (Senior) organizer of the event, formally presented the vote of thanks and the program ended with the good information on the importance of aptitude tests for the placement activities.

### Webinar on "Discovering Your Potentials"

The Department of Computer Science and Engineering of Shri Madhwa Vadiraja Institute of Technology and Management organized a webinar on "Discovering Your Potentials" for the final year Diploma students on 28th December 2020.

Mr Ravidasa Hegde, Principal Engineer at Infineon Technologies Americas Corporation addressed the students on how to identify their potential and build a successful career. He explained his views of how polytechnic college emerged as a foundation for engineering courses. He also emphasized the importance of pursuing higher

education after their diploma course.

Around 200 students from Indira Shiva Rao Polytechnic, Udupi , Dr T. M.A.Pai Polytechnic, Manipal, SDM Polytechnic, Ujire and N.R.A.M Aided Polytechnic Nitte participated in the webinar.

Dr.Thirumaleshwar Bhat, Principal of Shri Madhwa Vadiraja Institute of Technology gave the welcome address and Smt Savitha A Shenoy Assistant Professor-Senior Department of Computer Science and Engineering proposed the Vote of Thanks. Smt Sahana Assistant Professor-Senior Department of Computer Science and Engineering was the Master of Ceremony for the Webinar.

### A Webinar on "An Effective Literature Review Process for the Technical Projects"

The department of Computer Science and Engineering in coordination with Technical Committee had organized a webinar on "An Effective Literature Review Process for the Technical Projects" on 23 October 2020 on the institute premises for the final year student community of the department of

Computer Science and Engineering, SMVITM, Bantakal.

In the webinar, Dr. Raghavendra, spoke about how the literature review should be carried out after selecting a problem statement for the final year project. Also literature review is an important stage while doing the project so that it will strengthen the project, he said. He also demonstrated how LaTeX can be used for writing the project report.

Ms. Sneha, Assistant Professor, Dept. of Computer Science and Engineering introduced and welcomed the resource person. Mr. Shrinivasa, Assistant Professor (Senior) proposed the vote of thanks and the program was ended with the good information on the importance of literature review for the technical projects.

### Mock Interview

The Placement Committee in coordination with the Placement Cell of the College conducted the Mock Interview Process for TCS and Infosys selected candidates on 4th December, 2020.

In the session, the faculties of the Department of Computer Science and Engineering had conducted the mock interview process for the candidates.

In the mock interview, the faculties have asked the relevant technical questions and gave few suggestions for the candidates. This helped the students to prepare for their upcoming interviews.

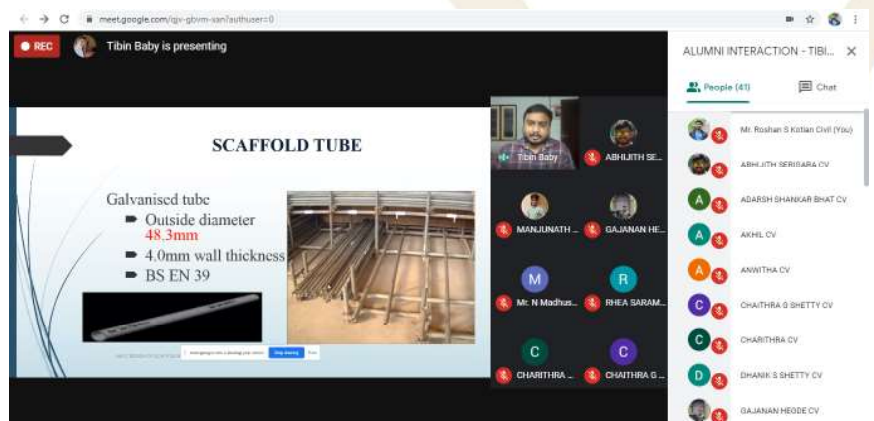
### Webinar on The IT Land Scape and Trends

A webinar on "The IT Land Scape and Trends" was organized for the students of final year Computer Science & Engineering on 5-12-2020 from 3.00 PM to 4.00 PM. The talk was arranged to boost up the confidence of students in facing the placement tests and interviews. Mr Vipin Kumar, Team Lead Infosys was the resource person. He gave an insight to the students about the current scenario in IT Industry and what the IT industries expect from the employees. The session was very interactive and students clarified various questions that they had in their mind regarding interview preparations

### Alumni Talk by Mr. Tibin Baby

The alumni interaction activity through Google meet by Mr. Tibin Baby (2013-2017 CVE Batch) was arranged by the Department of Civil Engineering in association with Alumni Cell and on 06th August, 2020 to final and Pre final year students of Civil Engineering Department. Mr.Tibin, Scaffolding Design Engineer, Project-Access Scaffolding & Formwork Co. WLL, began his webinar with his emotional connect with our college and his reality check in the field. He started his carrier as a site engineer at Cochin and later through his contacts went to Manama, Bahrain for better prospects. Soon he began his second innings in Project-Access Scaffolding & Formwork Company as a scaffolding junior estimator. Later he was promoted as scaffolding design engineer and

designed many scaffolding works for maintenance and construction notably, scaffolding work for wind turbine maintenance at Bahrain





World Trade Centre, providing conventional formwork for various civil works in Al Dur-2 project and access towers for installing ducts and pipes for Alba line-6 power project.

He informed students about scaffolding design using various software, job opportunities in Gulf countries and many more. Later he added on how to seek jobs in Gulf countries and how confident should be a candidate when it comes to campus interviews and walk in interviews.

Mr. Madhusoodhan Rao welcomed the gathering, Rhea S Salins introduced speaker to the audience. Mr. Roshan S Kotian and Mr. Madhusoodhan Rao, Assistant professors and Department Alumni coordinators, Department of CVE, coordinated the event.

### Project on “Synthesis of Nano Particles Using Medicinal Herbs and Utilization in Water Treatment”

The students of Civil Engineering, Shri Madhwa Vadiraja Institute of Technology and Management Bantakal won second prize in project competition ‘AVISHKAR’ under EAP category for the project titled “Synthesis of Nano Particles Using Medicinal Herbs and Utilization in Water Treatment” held by TEQIP cell VTU, Belagavi.

Synthesizing nanoparticles using medicinal herbs and use them for the water treatment was the main objective of the project. Here plant extract of locally available herb ‘Tulasi’ is used as a base, instead of using chemicals for the synthesis of Zinc nanoparticles.

The Tulasi leaves are grinded and boiled, later obtained Zinc acetate solution is added and is solicited. The tests show the presence of nanoparticles of size 272.5 nm. The tested samples show that anti-microbial activity against pathogens viz., Escherichia coli, Staphylococcus aureus and Pseudomonas aeruginosa. Usage of nanoparticles for the water treatment will help in reducing the amount of chemicals used. Also, utilizing commonly available herbs for the synthesis of nanoparticles will help reduce the release of chemicals to the environment and economically which will be more feasible for the procurement of raw materials. Provided the biosynthesis of nanoparticles, the technology would be relatively cheaper. This will facilitate the water purification technologies to the poorer sections of the society as they are the ones who have the least access to clean drinking water, hence widening the ambit at which it could serve the people.

The winners of project Mr. Shetty Pavan Anand, Mr. Shilpa S Acharya,

Ms. Sheethal B R and Ms. Shreya, were announced in the E-function ‘AVISHKAR SUMMIT-2020’ an award ceremony, held on 19 August 2020. The project was guided by professors of Dr. K K Shrinivasan and Mr. Rohith Prakash Veigas.



### Technical webinar on “Green- Collar jobs in construction sector”

Civil Engineering department of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with the Student Chapter of Indian Society for Technical Education (ISTE) had organized a technical webinar on “Green- Collar jobs in construction sector” by Mr. Praphulla Ramdas Wanare, LEED Coordinator, Six Construct- Uptown Dubai on 31st October 2020 through online platform for the students of civil engineering department. Mr. Wanare had explained the various green features associated with the different projects he had handled during his tenure at Dubai and

motivated the students to inculcate the green building concepts in the construction practice in future. Students have also learnt the LEED rating system with reference to making the construction energy efficient throughout its life cycle analysis. The Speaker had also explained the opportunities in IGBC and LEED organization for the civil engineering aspirants. This event was organized by Mr. Sooraj Kumar, Secretary of ISTE and supported by Prof. Dr. Sandeep Nayak, HoD, Civil Engg. Department.

### Technical webinar on “GATEway to success”

Civil Engineering department in association with The Student Chapter of Indian Society for Technical Education (ISTE) of Shri Madhwa Vadiraja Institute of Technology & Management had organized a technical webinar on “GATEway to success” by Prof. Ananth Pai, Founder of Academy in pursuit of engineering excellence (APEX), Mangalore on 09th November 2020.

Prof. Ananth Pai had started the session by giving brief introduction on GATE (Graduate Aptitude Test in Engineering) and its benefits for the students. He has explained the consideration of GATE score in various public sector jobs and government jobs like MRPL, UPCL and many more. He has also stressed upon the opportunities for the young aspirants in research and development sector, higher education in reputed institutions not only in Iisc, IITs and NITs but also in the foreign educational institutions, which could be achieved through the merit in the GATE score. Students were highly motivated to take up the GATE examination seriously right from the second year of engineering which would be key to success in the various fields. This event was organised by Mr. Sooraj Kumar, Assistant Professor & ISTE Secretary, Civil Engineering department and supported by Prof. Sandeep Nayak, Head of the Civil Engineering department.

## Technical webinar on “Conduction of quantitative research leading to a research article”

The department of Civil Engineering, Shri Madhwa Vadiraja Institute of Technology and Management in association with The Faculty Chapter of Indian Society for Technical Education (ISTE) and Research cell of the institute organized a technical webinar on “Conduction of quantitative research leading to a research article” by Dr. Roshan Joy Martis, Associate Professor, GAT Bangalore on 11th November 2020. Dr. Martis explained the detailed procedure involved in the conduction of research by illustrating his thesis work at IIT Kharagpur in the area of biomedical signal processing. Later he described the various steps involved in the qualitative research article writing and publication in the various reputed journals. He also elaborated on the choosing of research topic on social and environmental aspect, extraction of

literatures from various sources, combination of keyword in different search engines, abstract framing for computational research and experimental research. He also laid emphasis on understanding strengths and weaknesses of paper are paramount in publishing the same in good journals.

More than 50 faculty members from different branches have attended this webinar. Program was coordinated and moderated by Mr. Sooraj Kumar, Assistant Professor & ISTE Secretary, Civil Engineering department with the guidance of Dr. Sandeep Nayak, HoD, Civil Engineering department. Ms. Shashikala, Senior Assistant Professor, E&C department welcomed and Mr. Rohith Prakash Veigas introduced the guest. Dr. Vasudeva, Dean (Research and consultancy), SMVITM proposed the vote of thanks.

## Awareness program for the farmers at SMVITM

Civil Engineering department of Shri Madhwa Vadiraja Institute of Technology and Management in association with National Service Scheme (NSS) and Krishi Vijnana Kendra, Brahmapura organized an awareness program for the farmers from the neighboring villages on 21st Nov 2020 at the college premises.

Resource person Dr. Jayaprakash, Scientist, K.V.K Brahmapura addressed the farmers regarding the soil health and fertility. In his address he has explained the problems faced by the farmers in coastal region due to the temperature and saline nature of the soil. He encouraged the farmers to inculcate the habit of adapting organic composting techniques to enhance the fertility of the soil for the longer run.

Another resource person Dr. Dhananjay B, Scientist, K.V.K Brahmapura gave inputs on adaption of scientific irrigation techniques by giving an illustration of mulching sheet usage. Dr. Chaithanya, Scientist K.V.K Brahmapura stressed upon the scientific approach for the cultivation of jasmine flower. Dr. Sachin, U.S Scientist gave awareness on diseases and usage of pesticides in jasmine flower cultivation.

Dr. Thirumaleshwara Bhat, Principal, Dr. Ganesh Aithal Vice Principal, Shri Ramakrishna Sharma, Jasmine cultivator were present in the program. Dr. Sandeep Nayak, Head of the Civil Engineering department organized the program.



## FACULTY DEVELOPMENT PROGRAM AT SMVITM

Department of Civil Engineering of Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal, organized four day Faculty Development Program on “Technologies for sustainable development and post COVID challenges” from 21 December to 24 December 2020 with the objective of enhancing the knowledge of the faculty members and giving them better insights into the sustainable materials, with special emphasis on post COVID challenges.

First session delivered by Dr. Virupaksha Devaramane, Psychiatrist, A.V Baliga Hospital Udupi. In his session he has detailed on the importance of stress management, guidance and advice during the COVID-19 pandemic for faculty members.

Second day session delivered by, Dr. Lakshmikanth, Environmental Officer, KSPCB Karwar on Sustainable Environmental Geotechniques. He briefed on sustainable materials, Impact of human activities on the local ecosystems and the planet as a whole on regular basis,

use of latest technologies and tools to help in the assessment of the situation and to find the solutions.

Third day session was addressed by, Dr. Vageesha S Mathada, Professor BKIT, Bhalki on Reliability concepts in Geotechnical Engineering. He briefed on Reliability engineering and how to minimize the failures, shorten repair times of civil Engineering structures, and to meet customer & organization expectations.

Last day session delivered by, Dr. Sujatha Unnikrishnan, Professor, Christ University Bengaluru on Post COVID challenges in Civil Engineering. Emphasized on sustainable construction materials, research aspects on sustainable Geomaterials and tips to the Civil Engineers on Post COVID Challenges.

HoDs, faculty members & Students of SMVITM were present during the sessions



## "RISK MANAGEMENT: A NON CONVENTIONAL CIVIL ENGINEERING CAREER CHOICE"

The Student Chapter of Indian Society for Technical Education (ISTE) in association with Civil Engineering department had organized a technical webinar on "Risk Management: A non conventional civil engineering career choice" by Ms. Krithi Shetty, Regional catastrophe modeller at AIG, Philadelphia(USA).

Ms. Shetty has started the session by giving brief introduction on risk management and analysis involved in the various types of buildings.

## DESIGN OF QUADCOPTER : A Peer Learning Webinar

The Department of ECE in association with ISTE student chapter had organized a Peer Learning Webinar series, first of its kind at SMVITM. The first episode of the series held on Saturday 03 Oct, from 2:00 pm to 3:00pm, in which passed-out students Sumanth and Rahul Adiga have shared their "Design of Quadcopter" knowledge to the 2nd, 3rd and 4th year ECE students and also interacted with them.

In their presentation, they highlighted mainly the hardware required to build the drone, challenges in assembling the unit, battery requirements to drive the drone for 20min and application of drones. Also during interaction with the students, he said while

She had explained the behaviour of building under various natural hazardous scenario like wind load, seismic energy and vulnerability to fire. Later she gave inputs on opportunities for civil engineers in risk management and catastrophe modelling in the field of research. Availability of software, topics for mini project or major projects in the field of catastrophe modelling was discussed in question and answer session. Total more than 90 students have benefitted from the session.

building the drone one must focus on the application like payload lift and delivery to the destination. The objective of the webinar was to disseminate the technical know-how, resulting in better project work, leading to participation in various contests and overall development of the department and the college. This peer learning webinar series was initiated and coordinated by Ms. Laxmi Shetty, Sr. Assistant professor, ECE department and organized under the banner ISTE student chapter. ISTE team would like to acknowledge the support extended by Dr. Balachandra Achar, HOD, ECE Department, for smooth conduction of this event.

## IOT APPLICATION USING ARDUINO

The Department of ECE in association with ISTE student chapter had organized a Peer Learning Webinar series-2. The second episode of the series held on Tuesday 20 Oct 2020, from 2:00 pm to 3:00pm through Gmeet, in which our alumnus Mr. Suhas Kumar had shared his knowledge on "IOT Application using arduino" with the 2nd and 3rd year ECE students and also interacted with them.

In the presentation, he highlighted mainly on the sensors, different arduino boards, guide to buy boards online and which particular Bluetooth module, Wi-Fi module, Memory chips are used to interface with raspberry pi boards. He showed how to use tinkercad web portal to build IOT applications virtually and Thunkable android app builder to develop the required app in a pick and place manner. Also he addressed the IOT event significance and what was his contribution related to IOT at SMVITM.

This peer learning webinar series was coordinated by Ms. Laxmi Shetty, Sr. Assistant professor, ECE department, organized under the banner ISTE student chapter and vote of thanks was delivered by Ms. Shashikala Dept. ISTE coordinator. The ISTE team would like to acknowledge the support extended by the Department of ECE for smooth conduction of this event.

## Lecture series on "Block chain technology overview and its application"

Department of Electronics and Communication Engineering in association with ISTE faculty chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udupi had organized online Lecture series-5 on "Block chain technology overview and its application" held on 5th Nov 2020 from 3:00pm to 4:00pm. The resource person for the webinar was

Prof. Tanzila Nargis of NMAMIT, Nitte. Prof. Nargis started the session with explaining about the usage of crypto currency for secure transaction records, to control the creation of additional coins, and to verify the transfer of coin ownership. Speaker continued with application in the block chain Metamask addon in the chrome platform to create and manage their own identities for a secure interface to review the transaction. She also mentioned exploring the application in the blockchain using Smart

Contract computer programs. She concluded by mentioning, one can focus on the core architectural part for the research challenges in block chain technologies.

Dr. Sachin Bhat, Associate professor coordinated the event on behalf of ECE dept. and more than 100 participants were present in the webinar and interacted with the resource person. Ms. Shashikala R thanked the resource person and participants.

## TEXT SUMMARISATION USING DEEP LEARNING APPROACH

The Department of ECE in association with ISTE had organized a Peer Learning Webinar series. The third episode of the series held on Friday 20 November, from 2:00 to 3.00 pm, in which our alumnae Ms. Rushali Naik and Ms. Suraksha shared their knowledge on "Text summarization using deep learning approach". The 3rd and 4th year ECE around 80+ students participated and interacted with the resource persons.

The speakers started the session with the basics of Text summarization approach using deep learning; explained how to rank the text and

extract essential and significant contents. Session proceeded with different algorithms used to perform summarization and replacing the longer text. Also they clarified the difference between Machine learning and deep learning. Session was concluded by giving extractive and abstractive techniques in text summarization.

Ms. Sriraksha, third year EC student welcomed and introduced the resource persons. Mr. Adithya final year EC student coordinated the event. Dr. Sachin Bhat, Associate Professor, Mr. Chetan R, ISTE coordinator and Ms. Shashikala R, Sr. Assistant Professor supported the event.

### LECTURE WEBINAR SERIES

The Department of ECE in association with ISTE has organized a lecture Webinar Series. The sixth episode of the series held on Friday 18 December, from 2:00 to 3:30pm, Mr. Guruprasad S, Manager-Field Application Engineering TTM Technologies Inc. was the resource person and gave a talk on "Printed Circuit Board(PCB)- A Vital Element of Electronics Circuit". From the ECE Department faculty and students of 2nd and 3rd year around 70+ participated and interacted with the speaker.

Speaker highlighted the three broad areas of PCBs and they are, the first area is PCB design in which it requires the thorough knowledge in the software's like altium, cadence, PCAD, KiCad, Mentor etc.. Second

area is PCB fabrication, since the speaker has got rich experience in the fabrication, he elucidated all the stages in detail with all chemical processes involved in the different stages and finally the last area is PCB assembly in which here, he explained about THT and SMT. He concluded with the job opportunities and companies working in this domain for the aspiring students.

Ms. Preema D'souza, Final year ECE student introduced the resource person and ISTE student coordinator Mr. Adithya of final year EC student compeered the program. Mr. Chetan R, ISTE coordinator and Ms. Shashikala R, Sr. Assistant Professor coordinated the event. Dr. Sachin Bhat, Associate professor, ECE Department supported the event.

### "XILINX LATEST TECHNOLOGY ON ADAPTIVE INTELLIGENCE"

Department of Electronics and communication engineering co-curricular cell in association with ISTE student chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal, Udipi had organized webinar on "Xilinx Latest Technology on Adaptive Intelligence" held on 30th December 2020 from 2:00pm to 3:30pm. The resource person for the webinar was Mr. Vijendra V, Application Engineer, Coreel Technologies.

Mr. Vijendra spoke about the latest 7 series FPGA Plus Soc families design and architecture. He demonstrated the flow to use the Vivado Design Suite- 2020.1 and how to build the FIFO configuration in memory design. The webinar was concluded by the fruitful interaction with the final year students related to their projects in the VLSI domain.

Ms. Preema D'souza, Final year ECE student introduced the resource person and ISTE student coordinator Mr. Adithya of final year EC student compeered the program. Mr. Chetan R, ISTE coordinator and Ms. Shashikala R, Sr. Assistant Professor coordinated the event. Dr. Sachin Bhat, Associate professor, ECE Department supported the event.

### Webinar on "I AM NOTHING, BUT I CAN DO ANYTHING"

The Department of Mechanical Engineering, SMVITM, Bantakal in association with ISTE Student Chapter organized a webinar on "I am NOTHING, But, I can do ANYTHING" for interested students of Mechanical Engineering on 06th October, 2020. The webinar was from 3.00pm to 4.00pm. During the webinar, the 35 students were present, Mr. Ajay Ramdas Pai gave comprehensive explanations on the various aspects that an individual person can achieve in life. The students gained clarity on different aspects of career building, areas which need focus for overall development of an individual. Mr. Manjunath, Asst. Professors, Department of Mechanical Engineering coordinated the webinar.

### Webinar on "Thermal Applications in Food Processing & Preservation"

The Department of Mechanical Engineering in association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management had organized a webinar on "Thermal Applications in Food Processing & Preservation" for the benefit of faculty members and students across the state on

16 October 2020, at the institute premises, on the occasion of World Food Day.

Dr. Raja Yateesh Yadav, Associate Professor of Mechanical Engineering at SMVITM was the resource person of the webinar. In his address, the resource person explained about the importance of heat in various food processing and preservation methods. Also the speaker throws light on food additives

and preservatives.

The webinar was hosted online using Google meet application. Hundreds of participants across the state had joined this webinar online. Head of the Department of Mechanical Engineering Dr. Gajanan Anne and Coordinators of ISTE Faculty Chapter Mr. Chethan R, Manjunath S and Dr. Pavana Kumara had coordinated this webinar.

### Webinar on 'CONDITION MONITORING OF MACHINES THROUGH VIBRATION MONITORING'

Webinar series on 03 December 2020 was handled by Mr. Girish Kumar, Senior Scientist of CMTI, Bengaluru. The talk was arranged on topic 'Condition monitoring of machines through vibration monitoring'. Session was started with the basics of vibration engineering.

Resource person who has rich working experience in conditioning and monitoring of machines, explained the importance of machine

conditioning to increase their lives and also to reduce the cost of standby machine units. He also mentioned that today's industries are concentrating more on monitoring of machines by various methods of periodical maintenance practices and among these vibration analyses. The cost of bearing the conditioning of machines will be less than the cost of new machine required to purchase to perform required task. Students and participants were participated with keen interest and benefited with this talk. The talk was ended with tips for condition monitoring of machining and discussions.

### FACULTY DEVELOPMENT PROGRAM

Department of Mechanical Engineering at Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal, in association with ISTE Faculty Chapter had organized Five days Faculty Development Program (FDP) on "Advances in Materials and Manufacturing Engineering" from 28 December 2020 to 01 January 2021 with the objective of enhancing the knowledge of the faculty members and research scholars across the country.

The FDP was inaugurated by Dr. Thirumaleshwara Bhat, Principal of SMVITM on 28 December 2020. Hundreds of faculty members and



research scholars across the country had joined the FDP as participants. Prof. S K Nath from IIT-Roorkee, Dr. Chakradhara D from IIT-Palakkad, Dr. Somashekara M A and Dr. Surya Prakash Ramesh from IIT-Dharwad, Dr. Shashi Bhushan Arya from NITK-Surathkal, Dr. Manjiah M from NIT-Warangal, Dr. Venkateswarulu from NAL-Bengaluru, Dr. Maruti Hegde from University of North Carolina-USA, Mr. Amith Kudva from Plasmatron India Pvt Ltd-Mumbai and Dr. Gajanan Anne from SMVITM were the Resource persons for ten technical sessions. The FDP concluded on 01 January 2020. Dr. Gajanan Anne, HOD of Mechanical Engineering and Dr. Pavana Kumara, Faculty member of Mechanical Engineering, coordinated the FDP.

### WEBINAR SERIES

The Department of Mechanical Engineering, SMVITM, Bantakal in association with ISTE Student Chapter organized a webinar series on 'Advanced Areas of Mechanical Engineering' for the benefit of interested students on various days from various eminent speakers.

Mr. Rangarao Desai, A Kannadiga and Team Leader in Robert Bosch, Ltda, Brazil was the resource person for the two days. On 19th November 2020 Mr. Desai addressed the students on the theme 'Inspiring Young Indians Through Experience'. During his talk Mr. Desai explained the way by which the weakness can be identified and can be overcome the same with a simple example. The students were motivated by the Speaker to participate in all types of activities along with their academic activities which makes them a good human and removes their fear. The session was attended by 35 participants and are found interactive throughout the session.

On 25th November 2020, speaker had another session on 'Overview of Manufacturing Process and Project Management'. The session addressed the basics of manufacturing processes by

giving simple and understandable practical examples. Mr. Desai connected various day-to-day activities as examples to explain the concepts of manufacturing process selection. He also explained various related concepts of manufacturing process cycle such as failure mode and effect analysis (FMEA). At the outset the talk enlightened students with overviews of manufacturing process with simple examples.

The session on 26th was handled by Eminent Personality Dr. Maruthi Hegde who is having rich research experience in the field of Nano particles and 3D printing. DR. Hegde handled session on 'Reimagining High-performance Polymers by targeting form and function'. The session was started with the basics of polymers and covered with its forms, classifications and applications. The resource person also concentrated on manufacturing of polymers for future use. The talk also gave ideas about different agencies which will provide funding for projects for the projects. The students and participants found interactive in the session and got cleared some of their queries.

The third session in webinar series on 03 December 2020 was handled by Mr. Girish Kumar, Senior Scientist of CMTI, Bengaluru.

The talk was arranged on topic 'Condition monitoring of machines through vibration monitoring'. Session was started with the basics of vibration engineering. Resource person who has rich working experience in conditioning and monitoring of machines, explained the importance of machine conditioning to increases their lives and also to reduced cost of standby machine units. He also mentioned that today's industries are concentrating more on monitoring of machines by various methods of periodical maintenance practices and among these vibration analyses. The cost of bearing the conditioning of machines will be less than the cost of new machine required to purchase to perform required task. Students and participants were participated with keen interest and benefited with this talk. The talk was ended with tips for condition monitoring of machining and discussions.

The HOD of Mechanical Engineering Department Dr. Gajanan Anne and ISTE Coordinator of the department Dr. Pavana Kumara placed thanks to all resource persons and congratulated student's office bearers for making the webinar series successful one.

### PhD awarded to Sachin Bhat of SMVITM

Mr. Sachin S Bhat, Senior Assistant Professor in the department of Electronics and Communication Engineering at Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM) Bantakal, was awarded PhD degree by Reva University of Bengaluru for his thesis titled "Design and development of deep learning algorithms for character recognition of Kannada inscriptions", submitted under the guidance of Dr. Shashikala G., Professor in the School of Electronics at Reva University. Originally belonging to Shirali town of Uttara Kannada district, Dr. Bhat is the son of Sri Sadashiva Bhat, retired employee of Vijaya Bank, Kumta, and Teacher Smt. Shailaja. Recently he was honored with the Young Researcher award, by "Green Thinkerz" International Society.



### Mr. Ganesh Kalagi awarded with Ph.D

Mr. Ganesh Kalagi, Assistant Professor in Mechanical Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, was awarded Ph.D. degree for his research thesis titled "Experimental Study on Mechanical Properties of Hybrid Natural Fiber Reinforced Polymer Composite Materials for Wind Turbine Blades" submitted under the guidance of Professor Dr. Rajashekar Patil, REVA University, Bengaluru. The management, Principal and staff members of SMVITM have congratulated Mr. Kalagi for being honoured with Ph.D degree.



### Mr. Pavana Kumar awarded with Ph.D

Mr. Pavana Kumar, Assistant Professor in Mechanical Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, has been awarded Ph.D. degree for his research thesis titled "Investigation on the effect on burnishing ferrous and non-ferrous materials on their surface characteristics" submitted under the guidance of Professor Dr. G K Purohit, PDA College of Engineering, Kalaburgi. The management, Principal and staff members of SMVITM have congratulated Mr. Pavana Kumar for being honoured with Ph.D award.



### Best Teacher & Best Research Award from IEEE Bengaluru Section

Mr. Ramamoorthy, Assistant Professor, Department of Computer Science & Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal has been selected for best researcher and best teacher award from IEEE Bangalore Section Mission# 2020 Challenge (IEEE Professional Member from IEEE Student Branch of SMVITM) for the year 2020. The college management, principal, faculty, Staff and Students have expressed their heartfelt gratitude towards this achievement.



### Bantakal students developed Foot Operated Wash Basin

Final year Mechanical Engineering students at Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal had developed "Foot Operated Wash Basin". The project was carried out by Rakshith N, Shreyas Poojary, Swasthik B Acharya and Vignesh Nayak under the guidance of Mr. Kiran N Bhat, Assistant Professor of Mechanical Engineering.

Considering the increase in the spreading of COVID-19 pandemic, the students of SMVITM had developed a new design of wash basin, which could be used in hotels, restaurants, hospitals, schools and colleges. The aim of this work is to avoid touching the water tap and to avoid the spread of corona virus. In this machine, one has to apply pressure on the ram, which is there at the bottom of the machine using foot. Once the pressure is applied, the water will spill out from the tap and the hand can be washed using water. Hence the direct contact between hand and water tap can be avoided. This machine does not require any electric power for its operation and completely made of mechanical components. Hence the durability and reliability of this machine is

higher compared to electronic/sensor based wash basin. The flow of water can be regulated by the foot itself hence wastage of water can be avoided. Also this machine is fabricated at a very affordable cost. The management, Secretary Sri Ratnakumar, Principal Dr. Thirumaleshwara Bhat, Vice Principal Dr. Ganesh Aithal, HOD of Mechanical Engineering Dr. Sudarshan Rao K had appreciated and congratulated the team.



### SMVITM students have participated in the Grand Finale of Smart India Hackathon -2020

Two teams of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal have participated in 36-hour Smart India Hackathon organized by Government of India from 01 to 03 August, 2020. Due to Covid-19 pandemics the third version of the National level hackathon was held in online mode this year. SMVITM had facilitated the students by providing the required IT infrastructure and other facilities. The teams lead by Ms. Akhilalakshmi Bhat and Mr. Chintan Shetty have worked on the problem statements posed by Department of Financial Services and Government of Puducherry respectively and design the software solutions to the problem. On 01 August, 2020 the honourable Prime Minister of India Shri Narendra Modi addressed the participants at 7PM through video conference.

### Three Projects from Students of SMVITM have been selected for KPIT Sparkle-National innovation challenge 2021

Three Innovative Projects from students of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal have been selected for "Top 100" position in reputed "National Level Innovative Competition KPIT Sparkle" which is organized by KPIT Inc, Pune. Students and Faculty from the department of EC, SMVITM, Bantakal, Udupi had claimed that they were the best innovators by proving

themselves participating in KPIT Sparkle-National innovation challenge 2021. It was a National level contest and the theme was Mobility and Energy for the future. KPIT Sparkle is one-of-its-kind Design & Development Contest for Science & Engineering students. Students are encouraged to participate, win prizes & get national acclaim. KPIT Sparkle an innovation platform by KPIT technologies, Inviting bright minds from science and engineering students across India. This company provides opportunities to promising ideas to foster entrepreneurship and innovation.



Students of Department of EC, SMVITM have made their ideas sparkle by getting selected to top 100 selections from more than 2500 ideas that were uploaded across different parts of India. The College had uploaded 11 new innovative ideas out of which 3 ideas had been selected to the top 100 projects. This had inspired with true excitement and joy in the young entrepreneurs (students). Team of students Aishwarya, Bhoomika J S, Deepthi Poojary, Niharika Balthillaya of Electronics & communication engineering have developed "Implementation of collision avoidance system for hair pin bends in ghats using proximity sensors". Chaithra Kulal, Dheeraj, K Srinivas Kamath, Neema B Shetty, Meghana R Bhat have developed "Thermoelectric Air cooling for cars" and Adithi P, Anwitha Rao P, Arun J.K, Harshitha Shetty, Hrishika have developed "Alternative source of energy based on piezoelectric effect"

As KPIT states "Socially distant but united with the passion of innovation", during the pandemic time also students of SMVITM had set an example stating "Failure will never overtake if the determination to succeed is strong enough". Their thought process has proved that the campus cultivate the habit of student innovation by 3 I is process-ideate, innovate and incubate. This success has created the enthusiasm in students to move further to think, ideate and submit the Project as Product of commercial use.

The Management, Principal and staff members have complimented all involved in this activity for this wonderful achievement.

### Bantakal Engineering Students won 'Best Project Award'

Final year Mechanical Engineering students at Shri Madhwa Vadiraja Institute of Technology and Management (SMVITM), Bantakal have developed a technology of Modular Reversing System in Scooter for Physically Challenged. The project was carried out by Dhanush, Abhishek, Ashwin and Deepak Achar under the guidance of Mr. Ravinarayan R Rao, Senior Assistant Professor of Mechanical Engineering.

People with lower limb deformities who ride modified automatic scooters normally find it difficult to reverse these scooters into parking slots. This project has succeeded in finding and implementing a viable solution in the form of a battery operated motor. Hence this project will become very much helpful for specially abled people. This project work is sponsored by Karnataka State Council for Science and Technology (KSCST). Also, awarded with 'Best Project of the year 2020' by KSCST. The management, Principal Dr. Thirumaleshwara Bhat, Vice-Principal Dr. Ganesh Aithal and HOD of Mechanical Engineering Dr. Sudarshan Rao K have appreciated and congratulated the team of students and guide.



### Six Projects from Students of SMVITM have been selected for Anveshana- 2021

Six Innovative Projects from students of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal have been qualified for semifinals at State level project competition, "Anveshana-2021" which is jointly organized by Government of Karnataka, Synopsys and Agastya International Foundation. It is a State level contest and the theme was United Nations Sustainable Development Goals.

Anveshana is a Science and Engineering competition which will culminate in a fair where the students will exhibit their projects/models. This competition will primarily involve undergraduate Engineering students and underprivileged school going students where the students together will follow philosophies and practices of hands-on learning, research orientation, to make models based on Engineering-Science concepts. The engineering students will mentor school students in the creation of models while inducing knowledge and confidence in them. Anveshana is one platform where engineering students could collaborate with high school students to create innovative models to address real life problems. This has inspired with true excitement and joy in the young entrepreneurs (students).

The Management, Principal and staff members have complimented all involved in this activity for this wonderful achievement.

### SMVITM Students Win Prizes in National Level Event "IEEE- EUREKA 2020"

The students of Shri Madhwa Vadiraja Institute of Technology and Management Bantakal have won three runner-up prizes at "IEEE-EUREKA 2020", a national level event organized by the IEEE Pune section. The event was conducted on 17, 18 and 19 November 2020 through ONLINE mode. More than 150 teams from all over India had participated in the event. The details of the winners are as follows:

1. Stream1: "Technologies for Agriculture, Food processing and Rural development", Team: Ashutosh Kumar, Shamitha Shanbhogue, Nayak Adithya and Naman.
2. Stream 3: "Technologies for Education, Sports and Woman Welfare", Team: Raunak Choudhary, Janvi V Nilekani, Preetham Nayak, Swaliha Sheikh.
3. Stream 4: "Technologies for managing National security and disasters including Pandemonium", Team: Shrivathsa, Chaithra B.R, Ferdinand Castelino, Vikas Rao.

This event was organized with the aim of knowledge sharing wherein engineering students had to impart knowledge to high school students in the areas of Agriculture, Healthcare, Education, Sports, Women Empowerment and Disaster management.

The management, Principal Dr. Thirumaleshwara Bhat, Vice Principal Dr. Ganesh Aithal have appreciated and congratulated the winners.



