# SMVITM

# CSE NEWSLETTER

## Volume 6 Issue 1
### August 2020 – February 2021

# CSE NEWSLETTER

SMVITM











### About Department

Today, most of the real world activities and fields, right from calculations to space exploration are being computerized as the operations can be much faster and error free with the computer applications. This has resulted in an increased demand for skilled and competent professionals in the computer engineering sector. To cater to this, the Department of Computer Science & Engineering was established at SMVITM in 2010, offering Bachelor of Engineering course with an intake of 60 students per year. The intake was raised to 120 students from the academic year 2012-13.

The Department of Computer Science & Engineering is one of the much sought after departments at SMVITM. The Department has well qualified and motivated faculty members who are highly committed to the overall development of the students. The Department aims at training the students to be industry-ready by the end of their course through the regular curriculum as prescribed by the University and also with supplementary programs throughout their study.

The Department has the most sophisticated and state of the art computer labs aimed at giving hands-on training to the students in the most advanced areas of the programming and software development domains.

### Our Vision

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

### Our Mission

To educate the Computer Science Engineering aspirants with basic and advanced technologies, who can make a difference in competitive environments, continuously improve their technological skills, communicate effectively and be faithful to ethical values
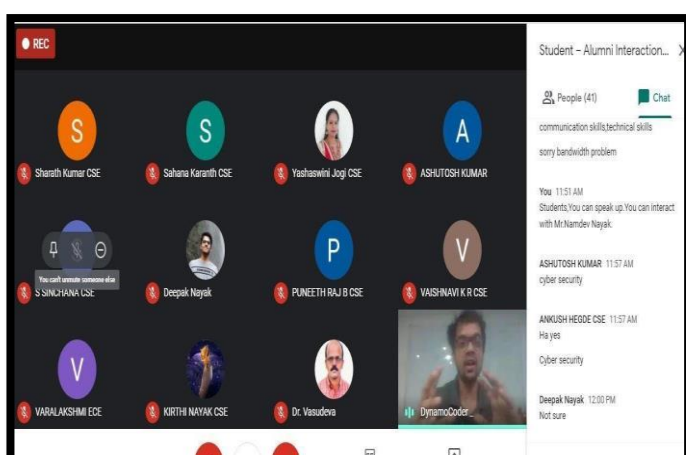
## Students participated in the Grand Finale of Smart India Hackathon -2020

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

## Alumni Talk by Mr. Namdev Nayak

The Student-Alumni interaction by **Mr. Namdev Nayak** (2014-2018 CSE Batch) was arranged by the Department in association with Alumni Cell on 05 August 2020. 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 highlighted on the current trends and importance of grabbing the opportunities wherever possible.

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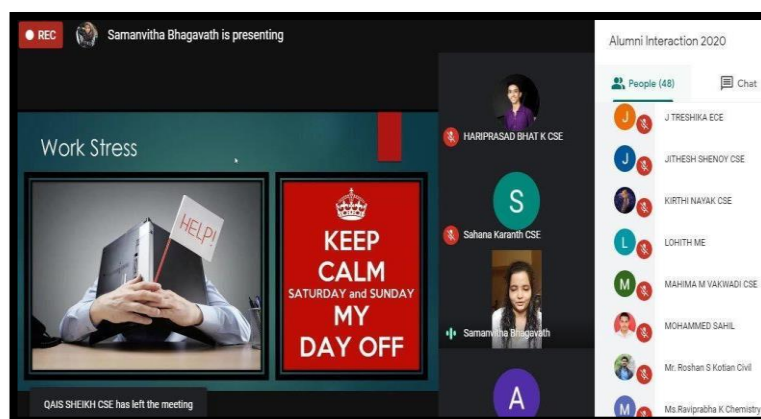
described about Robotics and IoT, also explained about the importance of Resume and LinkedIn Profile. Pros and Cons of Freelancing were discussed in the session.

He gave some tips for attending Interview and gave the 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 speaker to the audience. Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, coordinated the event.

## Alumni talk by Ms. Samanvitha A Bhagavath

The Student-Alumni interaction **by Ms. Samanvitha A Bhagavath** (2015-2019 CSE Batch) was arranged by the Department in association with Alumni Cell on 06 August 2020.

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 experience in engineering student life helps in coping up with corporate life.
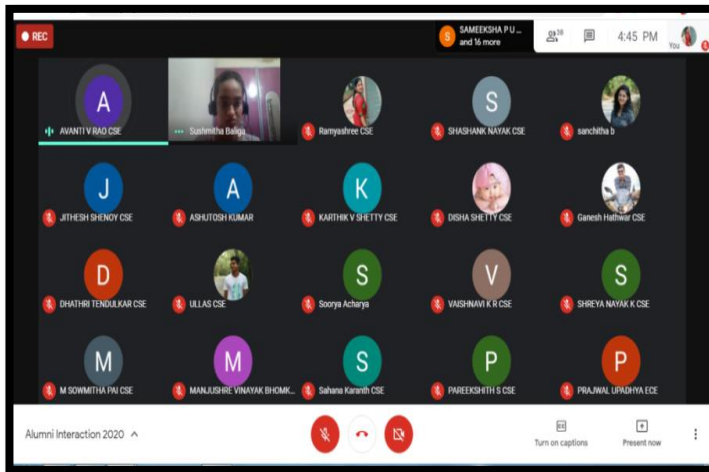


She stressed upon importance of cocurricular/ extra-curricular activities also importance of listening to lectures/training and how it helps while facing interviews. She also provided tips on work – life balance. Ms. Samanvitha highlighted the importance of soft-skills, behaviors and communication skills 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 IT industry. 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 web browsers for preparing towards placement drives.

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

## Alumni Talk by Ms. Sushmitha Baliga

The Alumni Cell has organized a Student-Alumni interaction by **Ms. Sushmitha Baliga** on 07



August 2020 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 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 the various challenges the graduates have to face, the skills/qualities like good communication skills, being a good listener, being a proactive etc. which are very much needed in order to succeed in the technological world.

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, coordinated the event.
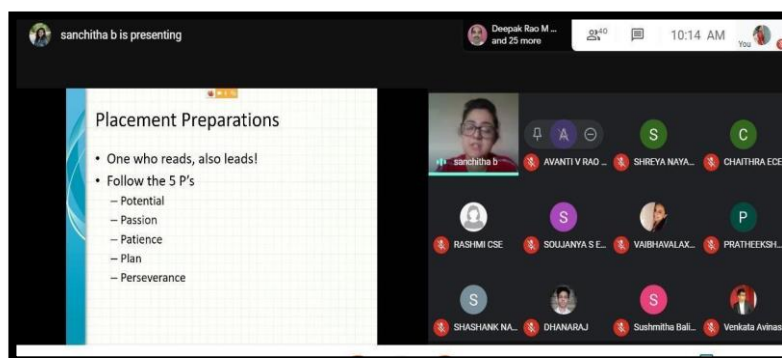
## Alumni Talk by Ms. Sanchitha B

The Alumni Cell has organized a Student-Alumni interaction by **Ms. Sanchitha B** on 08 August 2020 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 interviews, 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 were conveyed to the students.

She shared few tips for placement preparations such as to develop 5PS -Potential, Passion, Patience, Plan, and Preservation and also briefed about step-by-Step guide towards preparing for
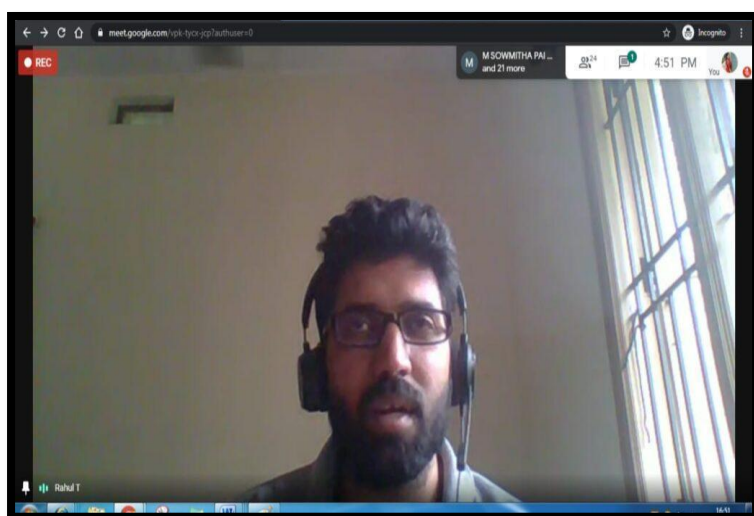
campus placements. She explained the importance of teamwork and taking up responsibilities and completing it on time. She also expressed that with just B.E. degree learning won't stop, one should have the attitude to learn as he/she earns to keep himself/herself updated in the corporate world.

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, coordinated the event.



## Alumni Talk by Mr. Rahul Tantry B

The Student-Alumni interaction by **Mr. Rahul Tantry** (2011-2015 CSE Batch) was arranged by the Alumni Cell on 08 August 2020. 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 briefed about how the job has affected his entire lifestyle.

Mr. Rahul Tantry gave an insight about importance of master degree after B.E. and told how it benefits one's career. He shared few tips on interview preparation where he mentioned about the importance of reading the job description, telling the stories with a clear situation, task, action and result. He also discussed why is it important to recruit a friend to practice answering questions.
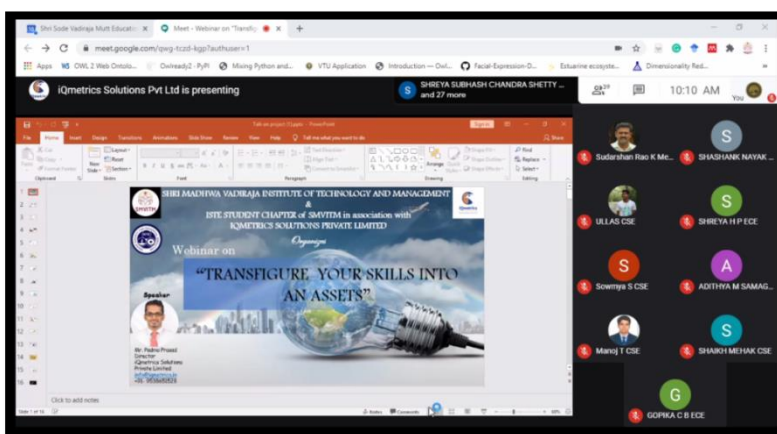
Speaker also shared his experience while doing internship at SangamOne Connected Services Pvt. Ltd. Bangalore during final year. He also displayed video briefing about his company. It was an

interactive session and student participants were involved in Q & A session where they got their doubts cleared.

Ms. Ramyashree welcomed the gathering and introduced speaker to the audience. Mr. Deepak Rao M, Ms. Ramyashree and Ms. Deepthi G Pai, Assistant professors and Department Alumni coordinators, coordinated the event.

## Webinar on "Transfigure your skills into an asset"

On 10 August 2020 ISTE Student chapter organized a webinar "Transfigure your skills into an asset" by **Mr. Padma Prasad Jain, Director at IQMetrics Solutions Private Limited** through Google Meet for the benefit of the students.



The talk was mainly focused on the need of skill development by students to use it as an asset in the present challenging job market. He also spoke on various avenues available for the students to showcase their innovative ideas and concluded the talk with few inputs on project ideation and core areas where the internship opportunities are available for students. Ms. Sowmya S. Assistant Professor in the Department of CSE hosted the event.
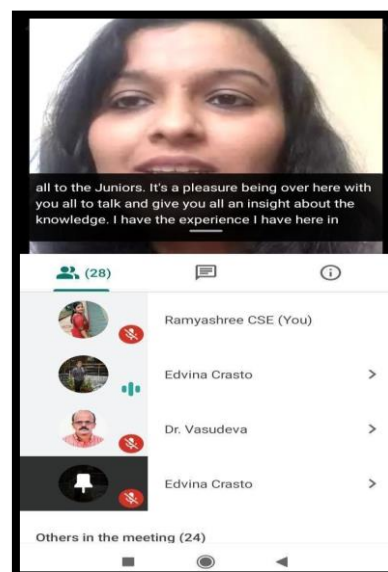
## Alumni talk by Ms. Edvina Trema Crasto

The Alumni Cell has organized Student-Alumni interaction by **Ms. Edvina Trema Crasto** on 28 August 2020 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.

Her session was mainly focused on highlighting the importance of knowledge that a student learns during the course and its application in the real world problems. 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 speaker to the audience. Ms. Ramyashree and Ms. Deepthi G pai, Assistant professors and Department Alumni coordinators, coordinated the event.



## Technical Talk on "Weather Infomatics"

On 24 September 2020, **Dr. Nagaraj Bhat**, Associate Professor, Dept. of CSE presented a technical talk to the faculty members of the department on the topic "Weather infomatics".



Dr. Bhat started the session from remote sensing, which is a process of detecting and monitoring the physical characteristics of an area by measuring it's reflected and emitted radiation at a distance and geographic information system which is a framework for gathering and analyzing data. He then continued with weather infomatics which is a blend of climate science, computer science and information science (Remote sensing and geographic information system).

Dr. Nagaraj Bhat introduced the participants to the data available regarding the weather information and the analysis done on that data. The technical talk was conducted by the Research review cell.
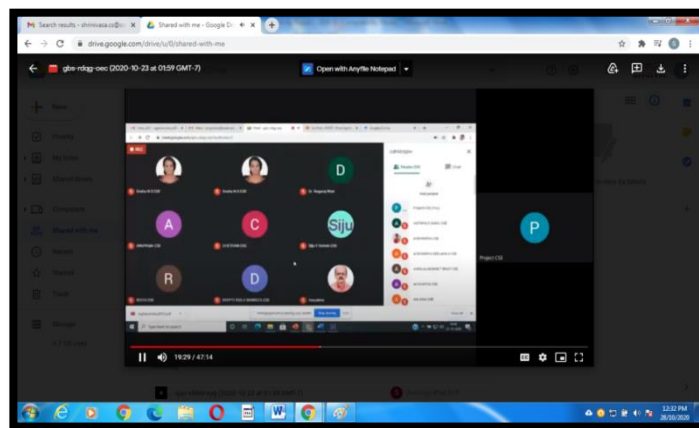
## Webinar on "An Effective Literature Review Process for the Technical Projects"

The Technical Committee had organized a webinar on "An Effective Literature Review Process for the Technical Projects" on 23 October 2020 for the final year student community of the department..

In the webinar, **Dr. Raghavendra S**, Professor, Department of CSE spoke about how the literature review should be carried out after selecting a problem statement for the final year project. Also, the 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.

## Inauguration of the Virtual lab

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

Due to COVID pandemic the students are not able to use the lab facilities available in 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 the plan to extend it to other laboratory subjects too. 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 also 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. Venugopala Rao A. S compeered the program.

## IEEE International Conference "DISCOVER"

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 on its decennial year would ignite 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, compared the programme.

Members of 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.

## Technical talk on "The Agenda 2030-Ten Gone, Ten More to Go"



On 05 November 2020 the Research review cell of the department was organized a Technical talk on the topic "The Agenda 2030-Ten Gone, Ten More to Go" by **Mr. Ramamoorthy H**, Assistant Professor (Sr), Dept. of CSE, SMVITM.

Mr. Ramamoorthy introduced the topic to the audience by stating the Paris agreement which is an agreement within the United Nations Framework Convention on Climate Change (UNFCCC), dealing with greenhouse-gas-emissions mitigation, adaptation, and finance, signed in 2016. As of February 2020, all 196 members of the UNFCCC have signed the

agreement and 189 have become party to it. Mr. Ramamoorthy spoke about the "Sustainable development goals" which are a collection of 17 global goals that are set by United Nations General Assembly in 2015 for the year 2030. There are 169 targets for the 17 goals, ranging from survival to innovation, research and mental health. He then emphasized on each goal providing more importance to goal 9 which is industry, innovation and infrastructure.

Mr. Ramamoorthy showed the statistics as to where we Indians are w.r.t goal 9 and how long way we have to reach. He also mentioned the different government policies that help the budding researchers in carrying out their research work.

## Technical talk on "Academics with Research and its challenges"

On 12 November 2020 the Research review cell of the department was organized a Technical talk on the topic "Academics with Research and its challenges" by **Mr. Manjunath A S**, Assistant Professor (Sr), Dept. of CSE, SMVITM.
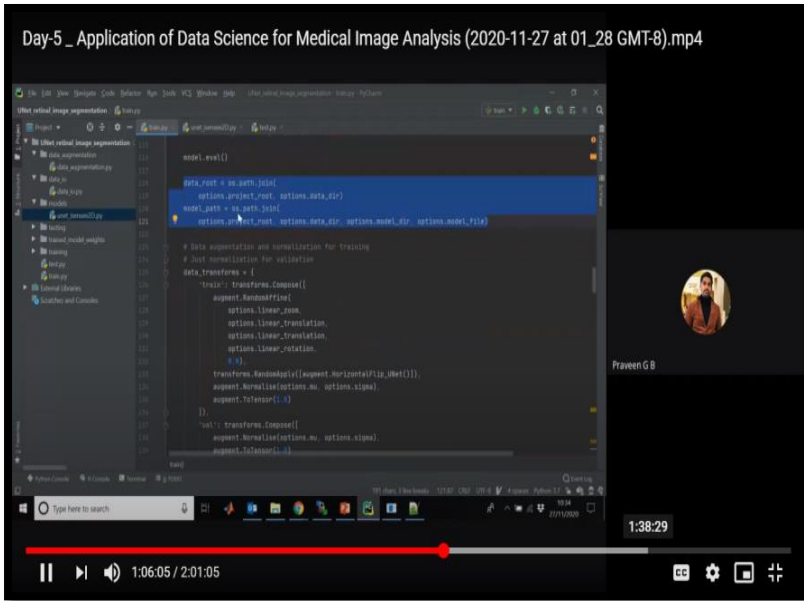


Mr. Manjunath began his presentation by defining the word research, mentioning the need for research and the different types of research. He continued his presentation with a brief differentiation between the research methods versus methodology. He then proceeded with explaining thoroughly the research process followed by stating the criterion for a good research. Lastly he also mentioned the problems that are encountered by researchers in India and how one can try to solve those problems. He even shared his personal experience of doing research and how has it given a new dimension in his problem solving skills and knowledge acquiring skills.

## FDP on "Recent Trends in Data Science Applications"

The Technical Committee and ISTE faculty chapter have organized a Five Days online FDP on "Recent Trends in Data Science Applications" from 23 November to 27 November 2020 in the institute premises for both internal and external faculty members of the various institutions.

In the five days FDP, day-1 **Mr. Girish Aithal**, delivered a talk on Data Science Application for Retail Sales Analysis, day-2 **Dr. Ajay Shenoy**, delivered a session on Visualizations & Implementations
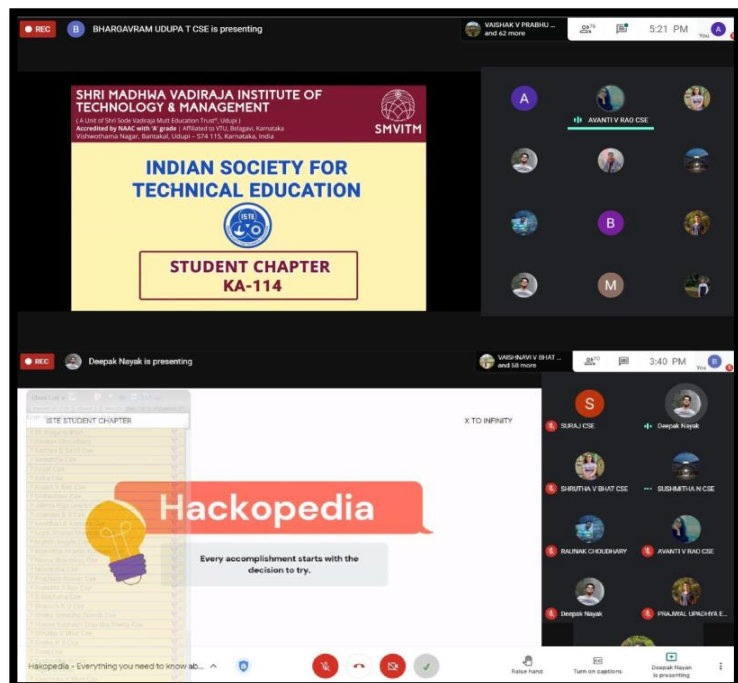
of Data Science Algorithms, day-3, **Dr. Nagaraj Bhat**, spoke about Data Science for Weather Informatics, day-4 **Dr. Sejal Santosh Nimbhorkar**, delivered a session on Computer Vision Applications in Data Science and day-5 **Dr. Praveen GB**, delivered a session on Application of Data Science for Medical Image Analysis.

## Hakopedia – Everything you need to know about Hackathon

The peer learning webinar "Hakopedia – Everything you need to know about Hackathon" was organized by the Department of Computer Science and Engineering in association with the ISTE Student Chapter, SMVITM, Bantakal on 28 November 2020, for the benefit of SMVITM students.

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.
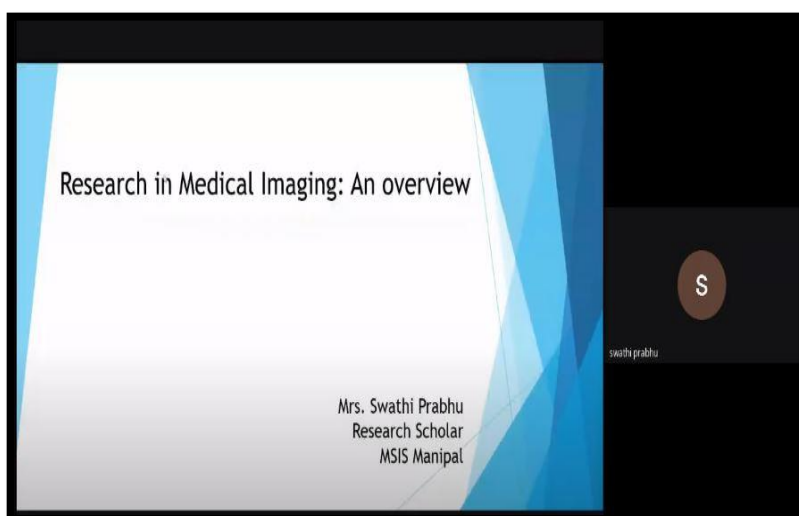
They gave an insight to the participants about what hackathons were, shared some tips for hackathons, informed about various tools that could be



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 event helped the participants to have an insight about the concept of Hackathons and they interacted with the speakers enthusiastically. At the end of the webinar the vote of thanks was delivered byMs. Avanthi V Rao from II year CSE. Ms. Shrutha V Bhat from II year CSE was the event moderator. Bhargavram Udupa T from III year CSE handled the registrations and feedbacks. Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Ms. Sneha N S and Mr. Deepak Rao M faculty members from Computer Science Department played a major role in the smooth conduction of the program.

## Talk on "Research in medical imaging: An overview"



With a view to keep the Research environment active, the Research review Cell of the department has organized a talk on "Research in medical imaging: An overview" for the benefit of faculty members of SMVITM on 03 December 2020. The speaker for this was **Ms. Swathi Prabhu, Research Scholar, MSIS, Manipal.** Around 20 Faculty members made use of this opportunity. Ms. Prabhu shared her experiences and suggestions with the participants. She started by sharing her experiences in the initial stages of research and then gave some useful insights on the ideas related to medical image processing. She explained about medical data sources & its analyzing complexity. Also, Ms. Prabhu shared her intuition about the publications through reputed journals or conferences.
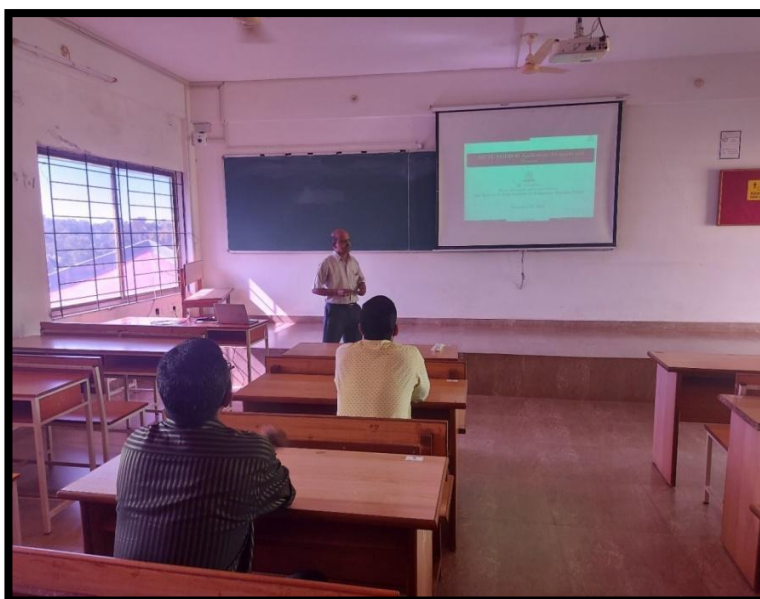
## A session on "AICTE MODROBS Application: Prospects and Process"

To enhance research project writing skill of faculty members, the Research review Cell of the department has organized a session on "AICTE MODROBS Application: Prospects and Process" on 17 December 2020. **Dr. Vasudeva**, Dean (Research and Consultancy), SMVITM, Bantakal was the resource person for the session. More than 20 Faculty members from all the branches made use of this opportunity.

Initially, Dr. Vasudeva explored various funding schemes of AICTE and the eligibility criteria to apply for those funding schemes. Then he explained about objectives of MODROB funding

scheme. He said that scheme aims to modernize and remove obsolescence in the Laboratories / Computing facilities, so as to enhance the functional efficiency of Technical Institutions for Teaching, Training and Research purposes. It also supports development of Lab Instructional Material and appropriate Technology to ensure that the practical work and project work to be carried out by students is contemporary and suited to the needs of the Industry. Further, he explained, the duration of the project will be two years from the date of receipt of funds in the institute's account. Maximum limit of funding is Rs.20 Lakh. In his talk he also mentioned the Terms and Conditions of the MODOROB scheme.

In MODROB scheme, the Head of the Department (HOD) submitting the proposal is always the Project Coordinator. To enable subject specific knowledge to be utilized, a Co-Coordinator can also be proposed. The HOD should critically analyze the requirements of the laboratory/laboratories of the Department for preparation of



the project proposal, which should relate to the future development of the academic strength of the Department. Dr. Nagaraj Bhat, HOD, CSE welcomed and proposed vote of thanks to the resource person and the audience.

## Technical Session on "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 19 December 2020 through Google meet platform.
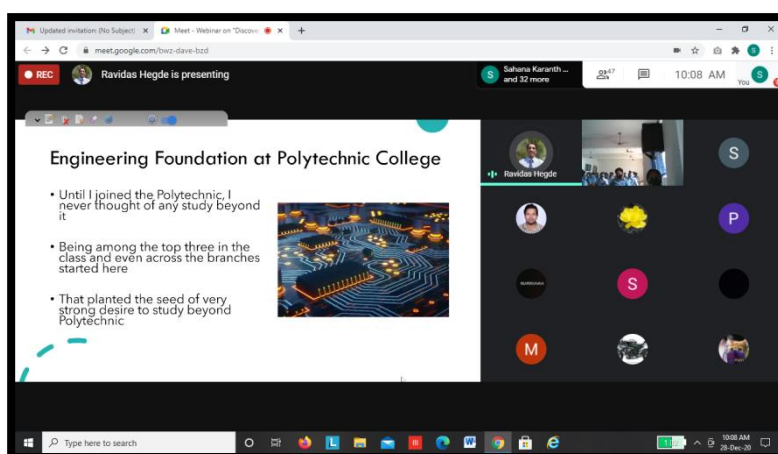
In the session, **Mr. Manohar**, spoke about how the aptitude questions can be solved quickly and importance of aptitude tests in industry. He also gave an idea on what industry expects from aptitude tests. He concluded the session by giving a test on various aptitude questions and students were able 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 was ended with the good information on the importance of aptitude tests for the placement activities.

## Webinar on "Discovering Your Potentials"

The Department organized a webinar on "Discovering Your Potentials" for the final year Diploma students on 28 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 Ms. Savitha A Shenoy Assistant Professor-Senior Department of Computer Science and Engineering proposed the Vote of Thanks. Ms. Sahana Assistant Professor-Senior Department of Computer Science and Engineering was the Master of Ceremony for the Webinar.

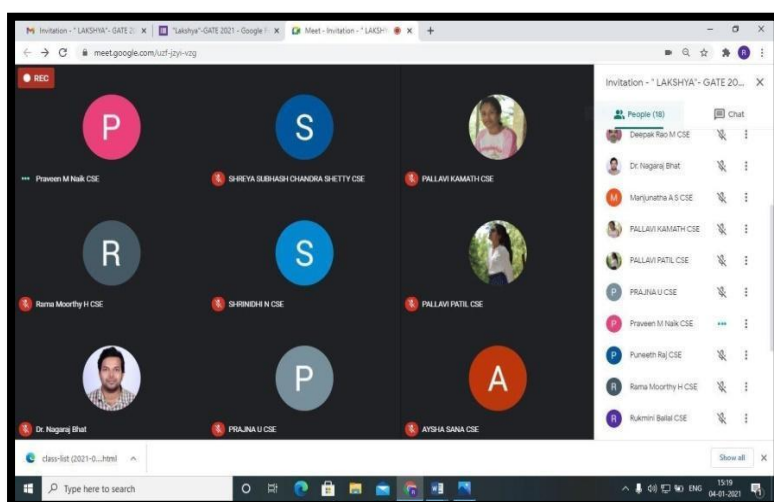## "Brain Wars – think before the time runs out…"

The department of Computer Science and Engineering in association with ISTE Student Chapter of the institute had organized an online competition – "Brain Wars – think before the time runs out…" on 02 January 2021 at 3:00 pm. The competition had two rounds. The first round was "Logo/Tagline Quiz". Questions were related to logo/tagline of existing company (not necessarily any IT Company). Company could be of any domain. The second round was "Trivia-Tech Quiz". Questions were in form of puzzles related to technology/organization. Participants had to crack the puzzles before the time ran out.

Mr. Raunak Choudhary from IV year CSE delivered the welcome address. Ms. Aninditha from III year CSE was the quiz master for the first round. Mr. Faheem Ahmad from IV year CSE was the quiz master of the second round. The event was conducted through Google Meet.

About 23 teams have registered for the event, out of which only 10 teams got promoted from the first round to the second round. The winning team was Bits Please (Mohammed Wasim Akram and Pranav K R, from IV year E&C). The runner up team was Horcruxes (Gopika C B and Pranav R Nayak N, from IV year CSE).

Mr. Bhargavram Udupa T and Ms. Shweta Ramachandra Bhat, from III year CSE coordinated the first round. Ms. Avanti V Rao and Ms. Shrutha V Bhat, from II year CSE had helped in the conduction of the second round. Mr. Ganesh Hathwar B S from III year CSE helped the team in designing the flyer for the event. Mr. Chethan R Institutional Coordinator, Ms. Sneha N S faculty member from Computer Science Department contributed immensely for the smooth conduction of the programme.

## LAKSHYA – GATE 2021



The Technical Committee had organized the training program " LAKSHYA"- GATE 2021, to provide motivation for students to pursue their higher studies. The program was held from 04 January 2021 to 15 January 2021 for the benefit of Pre-Final and Final year students.

The inauguration of the event was held on January 04, 2021 at 2.30 PM. The first day session is on 04 January 2021 by **Mr. Praveen M Naik**, Research Scholar at NITK, Surthkal on the topic Theory of Computation and Tips and tricks for GATE Exam. On 06 January, there was a session on Discrete Mathematics by **Dr. Vasudeva** Dean (Research and consultancy), SMVITM. On 07 January, , there was a session on Logic Design by **Mr. Deepak Rao M**, Senior assistant professor, CSE Dept., SMVITM. On 07 January, we had a session on Programming and Data Structures by **Ms. Sneha N.S/ Mr.Shrinivasa**, senior assistant professors CSE Dept. On 08 January, there was a session on computer organization and architecture by **Ms. Yashaswini Jogi**, senior assistant professor CSE

Dept., SMVITM. On 09 and 13 January, there was a session on Computer Networks and operating System by **Mr. Krishnaraj Chadaga** Assistant professor, SMVITM. On 11 January, there was a session on Algorithms by **Ms. Sahana Karanth** senior assistant professor CSE Dept., SMVITM. On 12 January, we had session on Database by **Mr.Manjunath A S** senior assistant professor CSE Dept., SMVITM. On 15 January, , there was a session on Compiler Design by **Mr. Sharath Kumar,** senior assistant professor CSE Dept. ,SMVITM.

The programme helped GATE 2021 CS/IT paper aspirants. Around 30 participants made use of this programme. The valedictory session of the LAKSHYA GATE-2021 programme was held on 15 January 2021 with the brief report delivered by Ms. Rukmini Bhat B senior assistant professor CSE Dept., SMVITM and Ms. Sneha N S Technical Committee member of the department who played a major role in the smooth conduction of the programme.

## Webinar on "IOT – The Future World of Things"

The department organized a webinar on "IOT – The Future World of Things" on 22 January 2021 for the II year student community of the department. The program was jointly organized by Technical Committee, Co-curricular Committee and IEEE student branch of the institute.



Resource person for the session was **Dr. Manishankar S, IQAC Co-ordinator & Assistant Professor, Amrita Vishwa Vidyapeetham, Mysuru Campus**. Speaker introduced students to the amazing world of IoT and its fascinating applications. They were introduced to IoT architecture and applications, Cloud services and future challenges.

Dr. Nagaraja Bhat, HOD, CSE, Dr. Vasudeva, Dean (Research and Consultancy), faculty members and students were present during the session. The program was coordinated by Mr. Shrinivasa, Technical Committee Coordinator & Ms. Yashaswini Jogi, Co-curricular Committee Coordinator and moderated by Mr. Aniketh Shenoy and Ms. Jelena Riya Lewis, II year student of computer science and engineering, introduced the speaker.

## Workshop on "Fundamentals of C Programming Language"

The Technical Committee had organized a workshop on "Fundamentals of C Programming Language" on the institute premises for the second year student community of the department.



The workshop was conducted for five days from 16 to 20 February 2021. On the first of the workshop, **Mr. Siju V Soman**, Assistant Professor (Sr.) and **Ms. Deepthi G Pai**, Assistant Professor of Dept. of CSE had explained the basics of C language. On Day 2 of the workshop, **Dr. Nagaraj Bhat**, Associate Professor and HOD along with **Ms. Rukmini Bhat**, Assistant Professor (Sr.), Dept. of CSE explained the control statements and arrays with hands-on. Day 3 was engaged by **Ms. Harshitha G M**, Assistant Professor, Dept. of CSE on String handling and functions in C with hands-on. Day 4 has been engaged by **Ms. Sowmya** and **Ms. Ramyashree**, Assistant Professors in the department of CSE spoke about pointers, structures and unions in C. They also gave students a few programming exercises to solve in the session. Day 5 was taken by **Dr. Raghavendra S**, Associate Professor and **Ms. Savitha Shenoy**, Assistant Professor (Sr.) and they spoke on dynamic memory allocation with few programming examples.

The last day of the workshop had a test for the students who have attended all the sessions which had four programming exercises and the students had attempted to those programming exercises. Mr. Shrinivasa and Mr. Manjunatha A S, Assistant Professor (Sr.), Dept. of CSE, organized this workshop. The workshop had ended with knowledge on the fundamentals of C language which will be helpful for higher semesters and placement activities for the students.

## Alumni Talk by Mr. Krishnaraj Chadaga

The Alumni Cell has organized a Student-Alumni interaction activity by **Mr. KrishnaRaj Chadaga** on 10 March 2021.

He was a student of batch 2014-2018 Computer Science and Engineering. He spoke about the best career options after engineering for students who are wondering what to do after engineering. He shared insights on higher studies and about corporate world experience. He also pointed out the various challenges the graduates have to face, the skills/qualities that are needed in order to succeed in the technological world like communication skills, be a good listener, be proactive etc.



He motivated the students and guided them on how to start a new journey and choose a career and to be successful. He 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, Department Alumni coordinator and Mr. Roshan Kotian Assistant professor and Institution Alumni coordinator, coordinated the event. Dr. Vasudeva, Dean (Research and Consultancy), Dr.Nagaraj Bhat , HoD of CSE, faculty members of the department and students of SMVITM attended the event.

# STUDENT ACCOMPLISHMENTS

Hayavadana Prashasthi to **Mr. Deepak Nayak**, best student award for 3rd year

**Ms. Vidisha Shet,** Gold medal winner in CSE branch.

Shri Madhwa Vadiraja Prashasthi to **Mr. Shreyas Prabhu**, best outgoing student (boy)

Hayavadana Prashasthi to **Ms. Sinchana Sukumar**, best student award for 2nd year

Sapling planted by CSE Branch topper **Ms. Vidisha Shet**.

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

**Mr. Ashutosh Kumar** for stream "Technologies for Agriculture, Food processing and Rural development" and **Mr. Raunak Choudhary** for stream "Technologies for Education,Sports and Woman Welfare", students of III year CSE have won 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.

## Placed Students of 2021 passing out batch

| NAME | COMPANY NAME | PHOTO | COMPANY LOGO |
|---|---|---|---|
| SAMSKRITHI JAIN | Infosys Ltd., Bengaluru |  | Infosys® |
| ABHIDEV V | Infosys Ltd., Bengaluru |  | Infosys® |
| AYSHA SANA | Infosys Ltd., Bengaluru |  | Infosys® |
| KIRTHI NAYAK | Infosys Ltd., Bengaluru |  | Infosys® |
| POOJARY SHUBHAM SUNDAR | Infosys Ltd., Bengaluru |  | Infosys® |

| | | | |
|---|---|---|---|
| **RAUNAK CHOUDHARY** | **Infosys Ltd., Bengaluru** | | |
| **SHRILATHA S** | **Infosys Ltd., Bengaluru** | | |
| **ANIRUDHA B SHETTY** | **Infosys Ltd., Bengaluru** | | |
| **AKSHATHA** | **Tata Consultancy Services Ltd., Bengaluru** | | |
| **AYSHA SANA** | **Tata Consultancy Services Ltd., Bengaluru** | | |
| **CHINTAN SHETTY** | **Tata Consultancy Services Ltd., Bengaluru** | | |
| **DEEPTHI VIOLA BARBOZA** | **Tata Consultancy Services Ltd., Bengaluru** | | |
| **GANPAT PATEL** | **Tata Consultancy Services Ltd., Bengaluru** | | |
| **HARSHA** | **Tata Consultancy Services Ltd., Bengaluru** | | |

| | | | |
|---|---|---|---|
| **PRAJWAL B S** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **RAUNAK CHOUDHARY** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **SAMSKRITHI JAIN** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **SHLOKA S SHETTY** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **SHRILATHA S** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **SHRINIDHI N** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **VAIBHAVA LAXMI** | **Tata Consultancy Services Ltd., Bengaluru** | | TATA CONSULTANCY SERVICES |
| **HARIKRISHNA R** | **Kaar Technologies, Chennai** | | Kaar In Pursuit of Excellence |
| **SAMPOORNA** | **Robosoft Technologies Pvt. Ltd., Udupi** | | Robosoft EMOTION ENGINEERING & DESIGN |

| Name | Company | Photo | Logo |
|---|---|---|---|
| KIRTHI NAYAK | Chegg India Pvt. Ltd., New Delhi | | |
| PRAJNA | Chegg India Pvt. Ltd., New Delhi | | |
| GANESHA K S | Juego Studio Pvt. Ltd., Bengaluru | | |
| B APOORVA BHAT | DeskNine Pvt Ltd., Bengaluru | | |
| BHOOMIKA | DeskNine Pvt Ltd., Bengaluru | | |
| PUNEETHRAJ B. | DeskNine Pvt Ltd., Bengaluru | | |
| PRANAV R NAYAK N | Juego Studio Pvt. Ltd., Bengaluru | | |
| HANSEN CLYDE LOBO | NTT DATA Global Delivery Services Limited, Bengaluru | | |
| SURYA | NTT DATA Global Delivery Services Limited, Bengaluru | | |

| | | | |
|---|---|---|---|
| AISHWARYA KEDLAYA K | NTT DATA Global Delivery Services Limited, Bengaluru |  |  |
| AKIHLALAKSHMI T BHAT | NTT DATA Global Delivery Services Limited, Bengaluru |  |  |
| ANUPAMA | NTT DATA Global Delivery Services Limited, Bengaluru |  |  |
| SHREE VIDYA RAO A | Chipsy Information Technology Services, Udupi. |  |  |

## Academic Toppers – 7th Semester

| | | |
|---|---|---|
| I | Ms. PRAJNA U |  |
| II | Ms. AISHWARYA KEDLAYA K |  |
| III | Ms. VAIBHAVA LAXMI |  |

## FACULTY ACCOMPLISHMENTS



**Dr. Vasudeva**, Professor and Dean (Research and Consultancy) received the "Outstanding Service Award" during the AGM 2021 of IEEE MSS held at SJEC, Mangaluru on 17 January 2021.



**Mr. Ramamoorthy**, Assistant Professor 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.



**Dr. Nagaraj Bhat**, Associate Professor & Head has won the Championship of National Level ISRO-IITB-AICTE Mapathon 2021 Organized by Indian Space Research Organization for his outstanding contribution research work titled "Coastal Karnataka Shoreline Dynamics". His work focused on the study of vulnerability along coastal part of Karnataka in the last 100 years using thematic maps, toposheets and satellite remote sensing data. More than 10,000 teams across the Nation have participated in this event. Indian Space Research Organization (ISRO) in association with the All India Council for Technical Education (AICTE) and Indian Institute of Technology - Bombay (IIT-B) has jointly organized this event to produce maps using Indian remote sensing data.

## Chief Guest/Resource Person/ Speaker

1. **Dr. Nagaraj Bhat** and **Ms. Ramyashree** have participated as a resource person for Three Day Faculty Development Program on "Online Teaching Tools" in the institute premises for the faculty members of PU Colleges of Udupi and Dakshina Kannada on 10 August 2020.

2. **Mr. Venugopala A S** coordinated a workshop on "Online Teaching Tools" for the benefit of the PU College Faculty members from 10 to 12 August 2020 in the institute premises. Also he was the resource person on the first day of the workshop.

3. **Dr. Vasudeva,** Professor and Dean (Research and Consultancy) addressed the faculty members of SMVITM, Bantakal on "National Education Policy - 2020" on 25 August 2020.

4. **Dr. Nagaraj Bhat** gave Technical talk on "Weather Informatics" organized by Research Review Cell in the department for the faculty member on 24 September 2020.

5. **Mr. Rama Moorthy.H** gave Technical talk on "The Agenda 2030-Ten Gone, Ten More to Go" organized by Research Review Cell in the department for the faculty members on 22 October 2020.

6. **Dr. Raghavendra S** has participated as guest speaker for webinar on "An Effective Literature Review Process for the Technical Projects" organized by Technical Committee on 23 October 2020 for the final year student community of the department.

7. **Mr. Manjunath A.S** gave technical talk on "Academics with Research and its challenges" organized by Research Review Cell in the department for faculty members on 12 November 2020.

8. **Dr. Vasudeva,** Professor and Dean (Research and Consultancy) gave Invited Talk on "Number Theory: Purest of Pure Mathematics when Applied" on the occasion of National Mathematics Day in the college premise on 11 November 2020.

9. **Dr. Vasudeva,** Professor and Dean (Research and Consultancy) has participated as a Chief guest in value added course certification program held at St. Mary's College, Shirva on 15 December 2020.

10. **Mr. Venugopala Rao A. S** has participated as resource person for the workshop "Training on Online Classes" for the benefit of PU College Faculty members on 15 December 2020 at SDPT PU College Kateel.

11. **Dr. Vasudeva**, Professor and Dean (Research and Consultancy) addressed

ATL School Heads and Faculty Coordinators in the One Day Workshop organized by District Institute for Education and Training (DIET) Udupi at SMS English Medium School, Brahmavara on 06 February 2021.

12. **Dr. Vasudeva,** Professor and Dean (Research and Consultancy) have participated as a Chief Guest in Science Day celebration "Scientia" held at Amratha Bharathi Vidyapeeta, Hebri on 27 February 2021.

13. The Unnat Bharath Abhiyan Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in coordination with Department of BCA, St Mary's College Shirva had organized a workshop on "Mini Project Development using Web Technology". The workshop was held at Fr Henry Castelino auditorium, St Mary's College Shirva from 01 to 02 March 2021. **Dr. Raghavendra S,**

Associate Professor and **Ms. Sahana Karanth,** Assistant Professor were resource person for the workshop. **Mr. Chinthan Shetty, Mr. Harikrishna, Mr. Hansen, Ms. Aishwarya Kedlaya,** and **Ms. Shloka S Shetty** of final Year Students, CSE Department, had developed a web notes application to create, update and delete notes using HTML, CSS and bootstrap for front end and PHP for the back end. **Mr. Sharath Kumar,** Assistant Professor and departmental coordinator of Unnat Bharath Abhiyan Cell coordinated this workshop.

14. **Dr**. **Nagaraj Bhat**, Associate Professor and Head have delivered a Technical Talk on "Cognizance of Data Analytics and Big Data" for the students of Moodlakatte institute of Technology, Kundapura on 13 January 2021.

## Publication Details

1. Pradeepa Acharya, Prajwal K, Niveditha, Shilpa, **Nagaraj Bhat**, Review On Smuggling Detection And Prevention System For Trees In Forest Using IoT, ICETSE-2020, 10-11 July 2020.

2. **Deepak Rao.M**, Disease Prediction in Paddy crop Using Machine Learning, Emerging Trends in Science and Engineering (ICETSE-2020), SMVITM, Bantakal, 10-11 July 2020.

3. Mara, G. C., Rathod, U., RG, S. R., **Raghavendra S**., Buyya, R., Venugopal, K. R., … & Patnaik, L. M. (2020), CRUPA: collusion resistant user revocable public auditing of shared data in cloud, Journal of Cloud Computing, 9(1), 1-18, 26 August 2020.

4. Srinidhi, N. N., Sunitha, G. P., **Raghavendra S**., Kumar, S. D., & Chang, V., Hybrid energy-efficient and QoS-aware algorithm for intelligent transportation system in IoT, International Journal of Grid and Utility Computing, 11(6), 815-826,14 September 2020.

5. **Sneha N.S**, Design of a Secure Blockchain Based Privacy Preserving Electronic Voting System, Sixth International conference on "Emerging Research in Computing, Information, Communication and Applications, 25 September 2020.

6. **Sharath Kumar**, Pallavi S, **Ramyashree**, An Effective Network Monitoring Tool for Distributed Networks, Fourth International Conference on I-SMAC (IoT in Social, Mobile, Analytics and Cloud) (I-SMAC), Palladam, India, 07 October 2020.

7. **Sneha N.S**, smart Complain Redressal System using Ethereum Blockchain, DISCOVER 2020, 30 October 2020.

8. **Yashaswini Jogi**, Preethi N Rao, Raksha, Sharadhi Shetty, Shreekari, Synchronal recognition of weed in farm crops, proceedings of IEEE- 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2020), 5-7, November 2020, ISBN 978-1-7281-6387-1.

9. **Nagaraj Bhat**, Archana Hebbar K V, Sachin Bhat, Jayalakshmi, Pooja, Harshitha D N, Multilabel Spatial Image Recognition using Deep Convolutional Neural Network, proceedings of IEEE- 4th International Conference on Electronics, Communication and Aerospace Technology (ICECA 2020), 5-7, November 2020, ISBN 978-1-7281-6387-1.

10. **Vasudeva**, Multifocus Image Fusion Based On Multiresolution And Modified Principal Component Analysis, International Conference on Signals, Communication and Embedded Systems, Chennai, 323-333, 24 November 2020.

11. **Vasudeva**, All-In-Focus Imaging Using Multiresolution And Normalization, International Conference on Signals, Communication and Embedded Systems, Chennai, 5-14, 24 November 2020.

12. **Vasudeva**, An Enhancement Process For Gray-Scale Images Resulted From Image Fusion Using Multiresolution And Laplacian Pyramid, International Conference on Signals, Communication and Embedded Systems, Chennai, 334-342, 24 November 2020.

13. C. Rama Mohan, S. Kiran, **Vasudeva** and A. Ashok Kumar, Multifocus Image Fusion Based On Multiresolution and Modified Principal Component Analysis, ICTACT Journal on Image and Video Processing , Volume: 11, Issue: 02, 2345-2353, 30 November 2020.

14. **Rama Moorthy H**, Sahana Uduppa, Samanvitha A Bhagavath, Shreesha, Varun Roa, Centralized and Automated Healthcare Systems: A Essential Smart Application Post Covid-19, IEEE 3rd International Conference on Intelligent Sustainable Systems (ICISS 2020), 03 December 2020.

15. **Rama Moorthy H**, U Harshitha Shet, Rakshitha D Shetty, **Shrinivasa**, Avinas N J,**Krishnaraj Rao N S**, Triggering and Auditing The Event During Intrusion Detections in WSN's Defense Application, IEEE 3rd International Conference on Intelligent Sustainable Systems(ICISS 2020), 03 December 2020.

16. **Rama Moorthy H**, **Shrinivasa**, **Deepak Rao M**, Chetan R, Avinash N J, **Krishnaraj Rao N S**, Biometric Authentication for Safety Lockers Using Cardiac Vectors, IEEE 2nd International Conference on Power, Energy, Control and Transmission System (ICPECTS 2020), 10 December 2020.

17. **Rama Moorthy H**, **Shrinivasa**, **Deepak Rao M**, Chetan R, Avinash N J, **Krishnaraj Rao N S**, A New Automated Electrical System Using Smart Grid Technology, IEEE 2nd International Conference on Power, Energy, Control and Transmission System (ICPECTS 2020), 10 December 2020.

18. Avinash N J, Renita Pinto, Sowmya Bhat, Chetan R, **Rama Moorthy H**, Smart Fridge For Global Users Based on IOT using Deep Learning, IEEE 2nd International Conference on Power, Energy, Control and Transmission System (ICPECTS 2020), 10 December 2020.

19. **Deepthi G.Pai**, Second International Conference On Artificial Intelligence and Data Engineering Under the aegis of International Conference on Emerging Trends in Engineering, 22-23 December 2020.

20. **Ramyashree**, Dr.Venugopala P S, Implementing Face search using Haarcascade, Second International conference on Artificial Intelligence and Data Engineering, 22-23 December 2020, organized by NMAMIT Nitte.

21. **Sharath Kumar**, **Ramyashree**, An Efficient algorithm for fruit ripeness detection, Second International conference on Artificial Intelligence and Data Engineering , 22-23 December 2020, organized by NMAMIT Nitte.

22. Sachin Bhat, Alaka Anantha, Rajashree Nambiar, **Nagaraj Bhat**, Building Dataset and Deep Learning Based Inception Model for the Character Classification of Tigalari Script, Second International Conference On Artificial Intelligence and Data Engineering Under the aegis of International Conference on Emerging

Trends in Engineering, NMAMIT, Nitte, 22-23 December 2020.

23. **Vasudeva**, Hareesh B, (2021), An Efficient Image Preprocessing Technique for Land Use Analysis by Using Remote Sensing Images, International Journal of Advanced Trends in Computer Science and Engineering, 10(1), 308-315, 01 February 2021.

24. **Rukmini Bhat B**, **Sneha N S**, Keerthana Bhat, Chaithra C Kamath, Chaitha Naik, Improving the Efficiency of Software Defined Network through Load Balancing Algorithms, Proceedings of the Third International Conference on Intelligent Communication Technologies and Virtual Mobile Networks (ICICV 2021), IEEE XPLORE, ISBN: 978-0-7381-1183-4, pg:608-615, 05-06 February 2021.

## Workshops Attended

1. **Ms. Yashaswini Jogi, Ms. Ramyashree, Mr. Deepak Rao.M , Ms. Sahana , Ms. Priyanka , Ms. Deepthi G.Pai , Ms. Sowmya. S, Mr. Sharath Kumar, Mr. Sharath Kumar** and **Mr. Shrinivasa** have successfully completed thirty hours of online course on "Basics of strategic Management- its relevance in the present situation" organized by the Internal Quality Assurance Cell of the college from July-September 2020.

2. **Mr. Deepak Rao.M, Ms. Yashaswini Jogi, Ms. Sneha N.S, Ms. Rukmini Bhat .B, Ms. Deepthi G.Pai, Ms. Sowmya. S** and **Ms. Ramyashree** have attended Four days hands-on Workshop on LATEX organized by ISTE Faculty Chapter from 01 to 06 July 2020.

3. **Dr. Nagaraj Bhat, Ms. Harshitha G.M** and **Mr. Deepak Rao.M** have attended in

the Nine days Kalam Program for "IP Literacy and Awareness" from 15 to 23 October 2020.

4. **Mr. Manjunath A.S** has attended in the Three Days Workshop on "Artificial Intelligence and Machine Learning Applications" from 01 to 04 December 2020.

5. **Dr. Nagaraj Bhat, Ms. Deepthi G.Pai, Mr. Sharath Kumar, Ms. Yashaswini Jogi, Ms. Sahana** and **Ms. Priyanka** have participated in the hands-on session on "Use of Online Tool (Mentimeter) in Active Learning Techniques" organized by IQAC Cell in association with ISTE faculty chapter of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal Held on 02 December 2020.

6. **Mr. Manjunath A.S** has attended in the Six Days Workshop on "AI and Other

Advances in Computational Methods for Genomics" from 14 to 14 December 2020.

7. **Ms. Savitha.A.Shenoy** has attended Six Days Workshop on "Research Methodology and Tools" School of Computer Science and Engineering, Reva University from 18 to 23 January 2021.

8. **Ms. Savitha A. Shenoy** has attended Two Days' Workshop on "Recent Trends in Artificial Intelligence and Machine Learning using Python", Mangalore University Incubation Centre, School of Computer Science and Engineering, Reva University from 12 to 14 February 2021.

9. **Ms. Savitha A Shenoy** has attended Workshop on "How to do good Research", Srinivas University, IEEE Student Branch, School of Computer Science and Engineering, Reva University from 19 to 27 February 2021.

## STTP Attended

1. **Mr. Siju V. Soman** has attended Six Days AICTE Sponsored STTP on "Writing and Publishing High Impact Research Publications and Scientific Documents" organized by Rajalakshmi Engineering College(Chennai) from 02-11-2020 to 07-11-2020.

2. **Mr. Sharath Kumar, Ms. Sneha N.S, Ms. Deepthi G.Pai** and **Ms. Ramyashree** have attended in the One week AICTE Sponsored short term training program on "Outcome based education of Technical institutions- Phase II Outcome based education and Autonomy" conducted by Rajagiri School of Engineering & Technology Kochi from 16-11-2020 to 21-11-2020.

3. **Ms. Rukmini Bhat .B** has attended in the Six Days AICTE Sponsored STTP (Series III) on "Outcome based Curriculum Planning, Mapping and Measurement conducted by School of Management, Sri Krishna College of Technology, Tamil Nadu from 30-11-2020 to 30-11-2020.

4. **Ms. Sowmya. S, Ms. Ramyashree** and **Mr. Venugopala Rao A. S** have attended in one week AICTE sponsored STTP on "Outcome Based Education for Technical Institutions Phase - III: Outcome Based Education & Accreditation" conducted by Rajagiri School of Engineering & Technology, Kochi from 10-12-2020 to 16-12-2020.

## FDP Attended

1. **Mr. Venugopala Rao A. S, Ms. Sneha N.S, Ms. Rukmini Bhat .B** and **Ms. Yashaswini Jogi** have participated in a Three Days Faculty Development Program on "Desktop Publishing Tools" organized by Internal Quality Assurance Cell of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal from 07 to 09 July 2020.

2. **Ms. Ramyashree** and **Mr. Venugopala Rao A. S** has participated in a Three Day Faculty Development Programme on "NLP and Related Technologies" from 09 to 11 July 2020, organized by Department of ISE, NMAM Institute of Technology, Nitte.

3. **Ms. Ramyashree, Ms. Sowmya. S** and **Mr. Venugopala Rao A. S** have participated in a Five-Day Online FDP on "Mobile App Development and Artificial Intelligence with MIT App Inventor" from 13 to 17 July 2020 organized by Department of MCA, NMAM Institute of Technology, Nitte.

4. **Ms. Ramyashree** and **Ms. Sowmya. S** have participated in a Five-Day Online FDP on "MultiDisciplinary Trends in Information Technology" organized by Adichunchanagiri Institute of Technology, Chikkamangaluru from 21 to 25 July 2020.

5. **Ms. Ramyashree** has participated in a Six Day Faculty Development Program on "Trends in IoT, Medical Image and Speech Processing" held from 04 to 09 August 2020, organized by Department of Information Science and Engineering, Siddaganga Institute of Technology, Tumakuru.

6. **Ms. Sneha N.S** and **Ms. Rukmini Bhat .B** have participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blockchain " from 14 to 18 September 2020

7. **Mr. Siju.V.Soman** has participated in a FDP on "Microsoft Innovative Educator Free Certification for Educators -using Microsoft tools for Education - Part-1 & 2" organized by Knowledge Solutions India from 18 to 19 September 2020.

8. **Mr. Siju.V.Soman** has participated in a FDP on "Universal Human Values for DEEKSHARAMBH" organized by NIT, Patna from 21 to 25 September 2020.

9. **Dr. Nagaraj Bhat** has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "GIS & Remote Sensing" from 12 to 16 October 2020.

10. **Ms. Yashaswini Jogi, Mr. Sharath Kumar, Mr. Shrinivasa, Ms. Sahana** and **Ms. Priyanka** have participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 12 to 16 October 2020 at Institute of Engineering & Technology, Dr. B. R. Ambedkar University, Khandari Agra.

11. **Ms. Deepthi G. Pai** has participated & completed successfully AICTE Training And Learning (ATAL) Academy Online FDP on "Blockchain"from rom 12 to 16 October 2020.

12. **Ms. Ramyashree** and **Ms. Sowmya. S** have participated AICTE Training and Learning (ATAL) Academy Online FDP on "Artificial Intelligence" from 19 to 23 October 2020 at Rajagiri School of Engineering and Technology.

13. **Ms. Deepthi G. Pai** has participated & completed successfully AICTE Training And Learning (ATAL) Academy online FDP on "Artificial Intelligence" from 19 to 23 October 2020.

14. **Ms. Sowmya. S** has participated & completed successfully AICTE Training and Learning (ATAL) Academy online FDP on "Android development with kotlin" from 26 to 31 October 2020.

15. **Ms. Ramyashree** has participated & completed successfully AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)" from 26 to 30 October at Government MCA College, Maninagar.

16. **Ms. Deepthi G.Pai** has participated in a AICTE Sponsored Two weeks online Faculty Development Programme on "Concepts and Applications of Data Science Blockchain Technology" conducted by Department of Information Technology during 02 to 16 November 2020 held at Sri Shakthi Institute of Engineering and Technology, Coimbatore.

17. **Mr. Manjunath A. S** and **Mr. Venugopala Rao A. S** have participated in a Five Day FDP on "Recent Trends in Data Science Applications" from 23 to 27 November 2020.

18. **Ms. Rukmini Bhat .B, Ms. Ramyashree , Ms. Yashaswini Jogi , Mr. Deepak Rao. M , Ms. Sahana , Ms. Priyanka , Ms. Savitha A. Shenoy, Ms. Deepthi G. Pai, Mr. Sharath Kumar** and **Ms. Harshitha G.M** have participated in Five Days online FDP on "Recent Trends In Data Science Applications" organized by the department of Computer Science and Engineering in association with ISTE Faculty Chapter, SMVITM, Bantakal from 23 to 27 November 2021.

19. **Mr. Rama Moorthy. H** has participated in AICTE Sponsored Five Day online FDP on "Cyber Security" from 23 to 27 November 2021.

20. **Ms. Harshitha G. M** has participated in AICTE Sponsored Five Day online FDP on" "by ATAL Academy, Sri Sai Ram Engineering College from 30 November to 04 December 2020.

21. **Ms. Savitha A. Shenoy** has participated & completed successfully AICTE Training And Learning (ATAL) Academy online FDP on "Research Methodology" from 01 to 05 December 2020 at Indian Institute of Information Technology, Nagpur.

22. **Ms. Harshitha G. M** has participated in a Three Day FDP on "Research Methodology" from 02 to 05 December 2020.

23. **Ms. Sneha N.S** has participated in a Five Day FDP on "From Research to Publications: A Holistic Overview" from 21 to 25 December 2020.

24. **Ms. Sahana** has participated in a Five Day FDP on "Technologies for Sustainable Development and Post Covid Challenges" organized by the Department of Civil Engineering of SMVITM, Bantakal from 21 to 24 December 2020.

25. **Mr. Deepak Rao.M** has participated in a Six Day FDP on 'Next Generation Wireless Communication: 5G and its implementation' organized by KSIT, Bangalore from 21 to 26 December 2020.

26. **Mr. Venugopala Rao A. S** has participated in a FDP on "Entrepreneurship and Innovation" organized by Dayananda Sagar Academy of Technology and Management from 22 February to 06 March 2021.

## MOOC Courses

1. **Dr. Raghavendra S** has successfully completed "R Programming" an online non-credit course authorized by Johns Hopkins University and offered through Coursera on August 20, 2020.

2. **Ms. Deepthi G. Pai** has successfully completed "Computer Vision - Image Basics with OpenCV and Python" an online non-credit course authorized by Coursera Project Network and offered through Coursera on August 21, 2020.

3. **Mr. Deepak Rao. M** has successfully completed "Getting started with python" an online non-credit course authorized University of Michigan and offered through Coursera on September 05, 2020.

4. **Dr. Raghavendra S** has successfully completed "Neural Networks and Deep Learning" an online non-credit authorized by DeepLearning.AI and offered through Coursera on October 05, 2020.

5. **Dr. Raghavendra S** has successfully completed "Structuring Machine Learning Projects" an online non-credit authorized by DeepLearning.AI and offered through Coursera on October 08, 2020.

6. **Ms. Savitha A. Shenoy, Ms. Ramyashree, Ms. Harshitha G.M, Mr. Sharath Kumar, Ms. Sowmya. S** and **Ms. Sahana** have successfully completed "Machine Learning for All" an online non-credit course authorized by University of London and offered through Coursera on March 17, 2021.

7. **Ms. Yashaswini Jogi** has successfully completed "Learn To Program: The Fundamentals" an online non-credit course authorized by University of Toronto and offered through Coursera on March 18, 2021.

**Farewell to Dr. Adesh N D, Associate Professor**



**Farewell to Ms. Priyanka, Senior Asst. Professor**



**Farewell to Mr. Rama Moorthy H, Senior Asst. Professor**



**Farewell to Mr. Krishnaraj Chadaga, Asst. Professor**



## Staff One Day Outing

The department had organized one day outing to the Varahi power project, Nagara port and Kavaledurga Port for the faculty and staff members on 28 February 2021.

## Programme Educational Objectives (PEOs)

The graduates of Computer Science and Engineering should have

PEO 1:  The fundamental knowledge in Computer Science and Engineering to work in diverse fields of Computer Science and Engineering Industry.

PEO 2:  Ability to express and demonstrate the technological skill-set to arrive at a solution to the real-world problems

PEO 3:  Be effective contributors in a team, for multidisciplinary projects with effective interaction amongst peers.

PEO 4:  The zeal of being updated in technology front through continuous learning.

## Program Specific Outcomes (PSOs)

PSO1: Be able to design, implement, test and evaluate a computer system, component or algorithm to solve a real world problem using appropriate data structures.

PSO2: Be able to successfully adapt to the changes in the field of computer science & engineering for both personal and professional growth.

# Department of Computer Science and Engineering

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING - S. M. V. I. T. M, BANTAKAL