SMVITM

Volume: 8 Issue 1

AY: 2022-23

CHIEF EDITOR

Dr. Soumya J. Bhat
HoD, CSE

CO-EDITORS

Ms. Payal Sudhakar Chaudhary assistant Professor

Mr. Deepak Rao M Assistant Professor (Sr.)

Our Vision

To be recognized as a center of excellence in the field of Computer Science and Engineering imparting holistic education catering the needs of the society.

In This Issue

Our Mission

- Impart knowledge by providing a healthy learning environment.
- Encourage the zeal to be updated in technology front and abide by ethical and moral values.
- Engage in result oriented research and innovation to cater the societal needs.

Message from HoD

Greetings from the Department of Computer science and Engineering! On behalf of faculty members, staffs and students of the department of computer science and engineering, SMVITM, I welcome you all for the creative world of CSE. I personally believe that CSE discipline has been generally accepted as an important source and technique for enhancement in all realms of human life, both now and in the future. In the department, every student is given the chance to participate in their academic activities. This is the department where graduates publish articles in the most reputed international journals, while at the same time, students are encouraged to gain some recognition through extra-curricular or co-curricular activities. The department is associated with several associations like IEEE, ISTE etc, through that students will get a great platform to exhibit their talents. Students are expected to pursue ambitious assignments and to publish their work in different international journals. All students are taught to pursue an ideology that does not place limitations on their abilities to learn. The submissions of our students to numerous academic forums have demonstrated the earnest efforts of their professors at several stages. The Department puts a great focus on delivering practical education by properly handling the proper lab work to supplement their theoretical understanding. At the department, professors are committed to training students for a more substantial challenge ahead and nurturing them to create a solid base for the next step so that they can even exceed teachers and become more valuable to society.

About the 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 and to 180 from the academic year 2022-23. The Department aims at training the students to be industry-ready by the end of their course through regular curriculum as prescribed by the University and also with supplementary programs, throughout their study.

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.

Along with the regular curriculum, the Department organizes various guest-lectures/invited talks by eminent faculty from reputed institutions/industry experts to keep students up-to-date about the latest technological developments. In addition to this, there are some eminent academicians appointed as Adjunct Faculty with the Department to supplement teaching, mentoring and guiding the students as well as the faculty members and also to promote research culture in the Department.

The Department has state-of-the-art laboratories equipped with high-end computers and other required peripherals to meet the academic needs of students. 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 in programming and software development. In addition to the existing labs, an internet lab as a central facility is being developed.

PEO's Program Educational Objectives

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.

PO's Program Outcomes

PO 1   Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO 2   Problem Analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO 3   Design/ Development of Solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO 4   Conduct investigation of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO 5   Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO 6   The engineer and society: Demonstrate the ability of using acquired knowledge to analyze and solve societal issues.

PO 7	Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.
PO 8	Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
PO 9	Individual and team work Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
PO 10	Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.
PO 11	Project Management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.
PO 12	Life-long learning: recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcome

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.

Activates organized by the department

Hands on workshop on Programming skills development:

The Department of CSE conducted a hands-on workshop on "Programming Skills Development" for the benefit of 3rd semester students from February 20 to 24, 2023.

The main objective of this course of study is to build on the skills gained by students in Object-Oriented Programming Fundamentals and help advance Java and C++ programming skills. Students will create object-oriented programmes and design object-oriented applications in Java and C++ using hands-on, engaging activities. The five-day course focused on object-oriented programming concepts, which assisted third-semester students in bridging the gap between the lower and upper semesters.

The course instructors for the training programme were Ms. Yashaswini Jogi, Mr. Deepak Rao, Mr. Sharath Kumar, Ms. Sowmya S., Ms. Savitha Shenoy A., and Ms. Sowmya NH, all senior assistant professors in the CSE Department. Totaling 121 participants, they received hands-on training with respect to object-oriented programming using C++ and Java.

The valedictory session took place on February 24, 2023. Based on assessment and active participation, a few students were identified as "best performers." Dr. Soumya J. Bhat, Associate Professor and Head, Dept. of CSE, handed out tokens of appreciation for Mr. Claton Robert Dsouza, Ms. Devadiga Trupti, Mr. G. Chinmay, Mr. Rohav V., Ms. Vaishnavi Rao B., and Ms. Yuktha.

The training program was coordinated by Ms. Yashaswini Jogi, Assistant Professor (Sr.), CSE Department.

FDP on - Healthcare Analytics

The inaugural function of Five Days Faculty Development programme on "Health Care Analytics" organized by Department of Computer Science & Engineering of Shri Madhwa Vadiraja Institute of Technology and Management in association with Biomedical Engineering Society of India and Indian Society for Technical Education was held on 09th January 2023. The faculty development programme is devoted to address the need of technological developments in data science and its allied fields. The aim of this FDP is to create an awareness on the usage of analytics and importance of security in the healthcare domain. Mr Somnath Jogi, Director, Kambala Solutions, Mangaluru was the chief Guest. He told that Learning is a continuous process and such faculty development programmes will help in improving the skillset. Such programmes have huge benefit as the knowledge acquired by the faculties can be imparted to the student fraternity. Shri RathnaKumar, Secretary, Shri Sode Vadiraja Mutt Education Trust Udupi was the Guest of Honor. He told that there is engineering behind every medical research happening in the present. He also told that such FDP's not only enrich the minds of the faculty but also give them new horizons to work in and it should be done regularly. Dr Thirumaleshwar Bhat was the president of the event. He appreciated the efforts of the computer science Department

for organizing FDP on Health Care which is the need of the present days. Dr Ganesh Aithal, Vice Principal SMVITM was also present on the occasion. Dr Soumya J Bhat, HOD, Department of Computer Science & Engineering welcomed the gathering. Mr. Raghavendra I. Hegde, Department Coordinator of ISTE coordinated the event and introduced the

Chief Guest. Mrs. Preethi M Assistant Professor from Department of Computer Science & Engineering proposed the vote of Thanks. Mrs. Savitha A Shenoy, Senior Assistant

Professor from Department of Computer Science & Engineering was the master of Ceremony for the inaugaral programme.

Valedictory function was commenced at 12.30PM on 13th Jan 2023 at CC III, admin block and Prof. Dr. Ganesh Aithal, Vice Principal, SMVITM Udupi, addressed the gathering. He spoke about the importatance of such sessions and appreciated and thanked all the resource persons and organizing committee of the event. Participants shared their valuable feedbacks. Certificates were distributed to participants by Mrs. Suparna Shetty, Managing Director – Eterna Infotech. HOD of Computer Science and Engineering Dr. Soumya J. Bhat was present during the event.Mrs. Preeti M. was the master of ceremony for the valedictory function.

Dr. Thirumaleshwara Bhat – Principal, Dr. Ganesh Aithal – Vice Principal, Dr. Sudarshan Rao – Dean (IQAC) were the advisory committee members for this 5 days Faculty Development Program on 'Health Care Analytics'. Dr. Soumya J. Bhat – HOD, Dept. of CSE was the FDP Coordinator. Mrs. Savitha Shenoy, Mrs. Preeti M, Mr. Raghavendra I. Hegde – Assistant Professor(s), Dept. of CSE, Mrs. Gowri T. Bhat – Foreman, Dept. of CSE were the organizing committee members.

Workshop on Data Analysis with Pandas:

One day workshop on **"Data Analysis with Pandas"** was organized by the Co-curricular/Extra-Curricular Committee along with the Placement cell of the Department of Computer Science & Engineering on 05-12-2022. Total 28 interested students from Department of Computer Science & Engineering and Department of Electronics and Communication participated in the workshop.

The workshop was conducted by Cranes Varsity as a part of their CSR Activity. Mr. Mallesh and Mr.Bhoj were the resource persons.

The purpose of the event was to give an insight to the new technologies introduced in the Industry.In the most diverse segments of the market, data analysis is a procedure that has revolutionized modern society.It consists of using technology to process large volumes of information in a few seconds and generate relevant insights for strategic decision-making.Pandas is a Python library that provides extensive means for data analysis

During the valedictory programme Dr Soumya J Bhat Bhat, HOD of Computer Science & Engineering appreciated the efforts of the resource persons for giving an exposure on Data Analysis to the students in a short span of one day.

Ms. Savitha A Shenoy, coordinator of Co-Curricular/Extra-Curricular committee coordinated the event. Ms. Dhanya Shenoy, Placement Cell Coordinator of Computer Science & Engineering proposed the vote of thanks.

Peer learning workshop on "Android application development".

Computer Science and Engineering Department in association with ISTE cell conducted the Peer Learning Workshop on "Android Application Development" on 21st and 22nd November 2022 from 10.00 AM to 4.30 PM at Lab CC3, 3rd Floor, Admin Block, SMVITM.

Dr. Sowmya J Bhat, HOD of CSE gave the inaugural address. She spoke about the significance of the peer learning session and gave insights on the importance of the topic for the creation of a good Android Application. Students from 7th semester CSE namely Ms. Shrutha V. Bhat, Mr. Vikram G Thunga, Mr. Vishwas Prabhu and Mr. Yajnesh, were the resource persons for the event. They gave the participants significant insights on the basics of Android application development, Hands-on experience on layouts, navigation, connection to internet, data persistence, work manger and much more. They also taught the participants about the purpose of using XML, Java various features that are available in Android Studio, and gave some essential tips and tricks to code quickly and efficiently. They also described the project

that the participants would finally be able to build after learning about the topic. Mr. Thejas S S, Student from 7th semester CSE was the Master of Ceremony.

Mr. Raghavendra Hegde, Assistant Professor, Department of CSE gave the introduction about the objectives of the workshop. Mr. Kartik Shanbhag, Student, 5th semester CSE gave the vote of thanks. Mr. Sujith Prabhu, Mr. Thejas S S, Mr. Sampath Kumar M G and Ms. Shreeraksha, Students, 7th semester CSE were coordinated as volunteers for the smooth conduction of the event.

Mr. Raghavendra Hegde, Assistant Professor, Department of CSE, Ms. Shrutha V Bhat, ISTE student chapter coordinator and Mr. Karthik Shanbhag, Active member of ISTE student chapter were the overall coordinators for this event.

Insights of Campus Placement Drives:

The Department of Training and Placement of SMVITM organized a one-week intensive training program for the final year students with the objective of orienting them towards the preparation for the upcoming campus recruitments. During this program, several expert trainers from neighboring institutions and experts from industry addressed the students as resource persons.

Campus Chat with Alumni

The event was hosted by Mr. Raunak Choudhary Tata Consultancy Services Pvt. Ltd Mr. Ashutosh Kumar, AWS Developer and alumni of 2017-21 batch on 15 October 2022. 106 students participated in the event held on 1 October 2022

Insights of Campus Placement Drives

The event was hosted by Bharghavram Udupa alumni of 2018-22 batch who is currently working at Robosoft Technologies, on 15 October 2022

Hands-on workshop on PHP with MySQL

Event was organized by Seventh semester student Vaishnavi D, Vaishnavi V Bhat,Vishwas Prabhu, Rakshith H Kalmadi, Rakshith Acharya, Raksha B Kottari ,Aryan S Batny, T Sreesha and Abhishek Hegde" and 111 student participated in the event held on 18 November 2022

Workshop on Data Analysis with Pandas

The event was organized by Cranes Varsity on 5 December 2022, Mr. Mallesh and Mr.Bhoj from Cranes Varsity were the resource person and 38 CSE students participated in the event.

Orientation Program on Cloud Computing

The event was organized by desiCloud on 6 December 2022, Mr.Vijayanand Gurudev from desi Cloud was the resource person and 104 CSE students participated in the event

Peer learning workshop on "Android application development"

The event was conducted by Seventh Semester CSE students Shrutha V Bhat, Vishwas Prabhu, Vikram Girish Thunga, Yajnesh were the resource persons and 36 participated in the event held on 11 and 12 December 2022

Tech Talk cum Hands-on session on ReactJS

The event was organized by the department and Mr. Praveen Castelino, CTO, Codecraft technologies and Mr. Rahul Kakkadan, Frontend developer, Codecraft Technologies were the resource persons for the event held on 17 December 2022

Placed students of 2022-23

Sl. No.	Name of the Company	Name of the Student	Position
1	Techologics Global Pvt. Ltd., Bengaluru	AKASH G S KUMAR	Intern - Trainee Engineer
2		ANJALI	Technical Engineer
3		ANJALI SHET	Technical Engineer
4		ANUSHA (SATHISH)	Technical Engineer
5		DEEKSHA SHETTIGAR	Technical Engineer
6		JELENA RIYA LEWIS	Technical Engineer
7		MOAZZAMI MUKTHAR AHMED	Technical Engineer
8		NIVEDITHA NANDA KUMAR	Technical Engineer
9		PURVASH P GANGOLLI	Technical Engineer
10	Kyndryl India Pvt. Ltd., Bengaluru	RANJANI	Technical Engineer
11		REON BRITTO	Technical Engineer
12		SARDAR AFIFA	Technical Engineer
13		SHREYA S (B SANTHOSH KUMAR)	Technical Engineer
14		SHRUTHA V BHAT	Technical Engineer
15		SRUSHTI H RAO	Technical Engineer
16		SUKANYA SHOBHANAND NAIK	Technical Engineer
17		VAISHNAVI D	Technical Engineer
18		VAISHNAVI K R	Technical Engineer
19		VAISHNAVI V BHAT	Technical Engineer
20		KARTHIK H AMIN	Trainee Software Engineer Level 2
21	Juego Studios Pvt. Ltd., Bengaluru	SUJITH PRABHU	Trainee Software Engineer Level 1
22		VISHWAS PRABHU	Trainee Software Engineer Level 1
23	Trianz, Bengaluru	NABEEHA BANU	Software Engineer
24	Hexaware Technologies Bengaluru	GOUTHAM N SHET	GET
25	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru	ADITHYA M SAMAGA	Software Engineer Trainee
26		SWASTHIK M ACHARYA	Software Engineer Trainee

27	Robosoft Technologies Pvt. Ltd., Udupi	GAURAV ACHARYA	Trainee Software Engineer
28		MANISH PRAKASH SHRIYAN	Trainee Software Engineer
29	ThoughtFocus Information Technologies Pvt. Ltd., Bengaluru	GOUTHAM N SHET	GET
30	Mangalore Infotech Solutions Pvt. Ltd., Mangalore	RAKSHITH H KALMADI	Software Engineer
31		SAMPATH KUMAR M G	Software Engineer
32		VIKRAM GIRISH THUNGA	Software Engineer
33	Hewlett Packard Inc, Bengaluru	ANANTHA KRISHNA RAMACHANDRA	Software Engineer
34	SKOLAR Bengaluru	VARUN	Business Development Intern
35	SKOLAR Bengaluru	AKASH	Business Development Intern
36		AKASH G S KUMAR	Business Development Intern
37		ARYAN S BATNY	Business Development Intern
38		CHAITRA S SHETTY	Business Development Intern
39		DISHASHREE	Business Development Intern
40		JEEVITHA	Business Development Intern
41		KAVYA	Business Development Intern
42		M SOWMITHA PAI	Business Development Intern
43		NISHMITHA	Business Development Intern
44		SHRADDHA B CHATRA	Business Development Intern
45		T SREESHA	Business Development Intern
46		UTTAM NAIK	Business Development Intern
47	HashedIn by Deloitt., Bengaluru	RAKSHITH H KALMADI	Software Engineer
48	Kambala Solutions Pvt. Ltd., Mangaluru	HARIPRASAD BHAT K	Software Engineer
49		KEERTHAN K KARKERA	Software Engineer
50		NITHANTH MARATE	Software Engineer
51		TEJAS S S	Software Engineer
52	Lekha Wireless Solutions Pvt Ltd., Bengaluru	AVANTI V RAO	Engineer - Trainee
53		PRASANNASHREE	Engineer - Trainee

Placed students of 2023-24 *

Sl. No.	Name of the Company	Name of the Student	Position
1	AMIGO Softcom Llp., Gurgaon, Haryana	Karthik Shanbhag	Software Development Engineer - Intern
2	Robosoft Technologies Pvt. Ltd., Udupi	Gajendra S Kundar	Trainee Software Engineer
3		Rathan R Nayak	Trainee Software Engineer
4		Venkatesh Bhat	Trainee Software Engineer
5	Juego Studios Pvt. Ltd., Bengaluru	Sheikh Mohammed Shuhood	Trainee Software Engineer Level 2
6		Shetty Sainath Bhaskar	Trainee Software Engineer Level 3
7	Trianz, Bengaluru	Bhavana Radhakrishna Bhat	Software Engineer
8		Dheeraj Kumar	Software Engineer
9		Manvitha Bhat	Software Engineer
10		Naveen	Software Engineer
11		Naveen Krishna Gond	Software Engineer
12		Shadwal C Rao	Software Engineer
13		Shetty Sainath Bhaskar	Software Engineer
14		Shravya	Software Engineer
15		Sindhura	Software Engineer
16	Mangalore Infotech Solutions Pvt. Ltd., Mangalore	Karthik Shanbhag	Software Engineer
17		Shadwal C Rao	Software Engineer
18		Shridhar	Software Engineer
19		Chandana	Software Engineer Intern
20		Clinton Justin Noronha	Software Engineer Intern
21	Rinex Technologies Private Limited Mangalore	Ruha Asmi	Inside Sales Strategist
22		Adarsh p patil	Inside Sales Strategist
23	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru	PRATHIBHARANI	Software Engineer - Trainee
24		Raksha	Software Engineer - Trainee

25		MOHAMED SANAN	Software Engineer Intern
26		PRATHIBHARANI	Software Engineer Intern
27		ROYSTON SIMON D'ALMEIDA	Software Engineer Intern
28	Mangalore Infotech Solutions Pvt. Ltd., Mangalore	Sheema Salah Shaikh	Software Engineer Intern
29		Sherigar Pradwin Madhava	Software Engineer Intern
30		SHREYAS PRABHU	Software Engineer Intern
31		Sourav	Software Engineer Intern
32		Sudheendra Prabhu	Software Engineer Intern
33		Manvitha Bhat	Software Engineer Intern
34	Kambala Solutions Pvt. Ltd., Mangaluru	AARON SHARON DSOUZA	Software Engineer
35	Hewlett Packard Inc, Bengaluru	Raksha	Software Engineer - Trainee
36		ANKITHA NAYAK	Managed Network Expert
37		KARTHIK SHANBHAG	Managed Network Expert
38		M RASHMI MAIYA	Managed Network Expert
39	Chegg India Pvt. Ltd., New Delhi	MAMATA HADIMANI	Managed Network Expert
40		PRATHIBHARANI	Managed Network Expert
41		SHRAVYA K MENDON	Managed Network Expert
42		AAQIB KHAN	Managed Network Expert
43		ANKITHA NAYAK	Business Development Executive
44		ASHWITH R POOJARY	Business Development Executive
45		PRITHVIRAJ SHRIDHAR BHAT	Business Development Executive
46		BHOOMIKA K BAADKAR	Business Development Executive
47		DEEPTI	Business Development Executive
48	Academor, Bengaluru	DHRISHYA SHETTY	Business Development Executive
49		MISSBAH BANU MUNEER	Business Development Executive
50		N PRANAVA	Business Development Executive
51		PETER CAETANO JOAO	Business Development Executive
52		SANJANA KV	Business Development Executive
53		SUMITH NAIK	Business Development Executive

54		Adithya M Acharya	Intern
55		Bhoomika K Baadkar	Intern
56		Gajendra S Kundar	Intern
57		Harsha Sridhar Kundar	Intern
58	Palle Technologies, Bengaluru	Peter Caetano Joao	Intern
59		Pratheek P Nayak	Intern
60		SHRIRAKSHA	Intern
61		Swaroop Kumar	Intern
62		Vijayakumara Girimalla Biradara	Intern

Faculty development Program Attended by the faculty

Faculty name	FDP Details (Title, Organizer)
Ms. Vandana U	Robotics & Artificial Intelligence, AICTE-VTU
Ms. Rukmini Bhat B	AICTE-VTU Joint Teachers training Programme on "Introduction to Python Programming & its Applications".
Ms. Sowmya N H	AICTE-VTU Joint Teachers training Programme on "Introduction to Python Programming & its Applications", VIAT, Muddenahalli, Chikkaballapura
Mr. Sharath Kumar	AICTE-VTU Joint Teachers training Programme on "Introduction to Python Programming & its Applications"
Ms. Sahana	Introduction to Python Programming & its Applications,,AICTE – VTU Joint Teachers Training Programme
Mr. Raghavendra Hegde	Introduction to Python Programming and its applications -AICTE-VTU joint Teachers Training Programme
Ms. Chaithra	AICTE–VTU Joint Teachers Training Programme on "Introduction to Python Programming & its Applications"
Ms. Yashaswini A S	AICTE-VTU Joint Teachers training Programme on "Introduction to Python Programming & its Applications"
Mr. Sadanada L	Introduction to Python Programming & its Applications
Ms. Vjetha Achar	"Introduction to Python Programming & its Applications"
Ms. Vandana U	UHV-1 , AICTE
Mr. Raghavendra Hegde	Healthcare Analytics - organized by Dept. of CSE, SMVITM
Ms. Savitha A Shenoy	Health Care Analytics, Dept of CSE, SMVITM
Ms. Dhanya Shenoy	UGC-AICTE Incorporating Universal Human Values in Education(A joint initiative of UGC and AICTE)
Ms. Yashaswini A S	AICTE

Ms. Vjetha Achar	"Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 17th October to 21st October 2022
Ms. Chaithra	"Inculcating Universal Human Values in Technical Education",AICTE
Ms. Rukmini Bhat B	"Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE)
Ms. Preethi	"Inculcating Universal Human Values in Technical Education
Ms. Soundarya R	AICTE
Dr. Sowmya J Bhat	Inculcating Universal Human Values in Technical Education
Ms. Vjetha Achar	Inculcating Universal Human Values in Technical Education"
Dr. Sowmya J Bhat	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE
Ms. Chaithra	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE
Mr. Raghavendra Hegde	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE
Ms. Sowmya N H	"UTKARSH" organized by IQAC in association with ISTE Faculty chapter of SMVITM, Bantakal
Ms. Vjetha Achar	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE
Ms. Soundarya R	5 DAYS FACULTY DEVELOPMENT PROGRAM "UTKARSH", SMVITM, BANTAKAL
Ms. Yashaswini A S	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE
Mr. Sadanada L	FDP "UTKARSH" Organized by IQAC in Association with ISTE Faculty Chapter of Shri Madhwa Vadiraja Institute of Technology and Management,BantakalTE

Mr. Sharath Kumar	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by AICTE
Ms. Sowmya N H	UHV Organized by AICTE
Ms. Yashaswini Jogi	5-day online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE)
Ms. Sowmya S	Inculcating Universal Human Values in Technical Education, AICTE, New Delhi
Ms. Sowmya S	Inculcating Universal Human Values in Technical Education, AICTE
Mr. Sharath Kumar	A Five Day National Level FDP on "CRYPTOCURRENCY, BLOCKCHAIN &CYBER SECURITY" organized by Department of

	Commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara
Ms. Yashaswini Jogi	"CRYPTOCURRENCY, BLOCKCHAIN &CYBER SECURITY" organized by Department of Commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara
Ms. Sowmya N H	"CRYPTOCURRENCY, BLOCKCHAIN &CYBER SECURITY" organized by Department of Commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara
Ms. Sahana	Cryptocurrency,Block chain and Cyber security,by Department of Commerce and Department of Computer Science, KMM College of Arts and Science, Thrikkakara
Ms. Sowmya S	Crypto Currency, Block Chain and Cyber Security, Department of Commerce nad Department of Computer Science, KMM College of Arta and Science, Thrikkakara
Mr. Sharath Kumar	one week Faculty Development Program on "Amazon Web Services" Organized by the Department of CSE, GMR INSTITUTE OF TECHNOLOGY, RAJAM in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD, CSI & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE
Ms. Yashaswini Jogi	Amazon Web Services"Organized by the Department of CSE, GMR INSTITUTE OF TECHNOLOGY, RAJAM in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD, CSI & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE
Ms. Sowmya N H	Amazon Web Services"Organized by the Department of CSE, GMR INSTITUTE OF TECHNOLOGY, RAJAM in collaboration with BRAINOVISION SOLUTIONS INDIA PVT.LTD, CSI & ALL INDIA COUNCIL FOR TECHNICAL EDUCATION - AICTE
Ms. Sahana	Amazon web services,Dept of CSE, GMR Institute of Technology , AICTE
Ms. Yashaswini Jogi	Stress Management
Ms. Sowmya N H	Stress Management
Ms. Sowmya S	Amazon Web Services, Department of CSE, GMR Institute of tewchnology, Rajam
Ms. Yashaswini Jogi	21st Century Skills for Teaching & Learning(CSTL-2022) organized by Department of Computer Science and Engineering of GMR Institute of Technology
Mr. Sharath Kumar	One Week Online Faculty Development Programme on "21st CENTURY SKILLS FOR TEACHING & LEARNING (CSTL-2022)" organized by the Department of Computer Science and Engineering of GMR Institute of Technology
Ms. Sowmya N H	21st Century Skills for Teaching & Learning(CSTL-2022) organized by Department of Computer Science and Engineering of GMR Institute of Technology
Ms. Sahana	21st century skills for teaching and learning(CSTL-2022),Dept of CSE of GMR Institute of Technology
Ms. Savitha A Shenoy	21st Century Skills for Teaching and Learning, GMR Institute of Technology
Ms. Sahana	Stress Management, NPTEL AICTE

Ms. Soundarya R	ECE Department of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.
Ms. Vjetha Achar	Natural Programming Language
Ms. Vjetha Achar	Faculty Development Program on Natural language processing
Ms. Rukmini Bhat B	"Natural Language Processing", "SMVITM"
Ms. Dhanya Shenoy	Natural Language Processing (SMVITM)
Ms. Savitha A Shenoy	"An Overview of Teaching Techniques in Data Science and Analytics", VTU Human Resource Development Centre
Ms. Sahana	An Overview of Teaching Techniques in Data Science and Analytics by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur
Ms. Sowmya N H	"An Overview of Teaching Techniques in Data Science and Analytics" Organized by VTU Human Resource Development Centre, Centre for PG Studies , VIAT, Muddenahalli, Chikkaballapur

Faculty Publication

Faculty Name	Publication Details
Ms. Savitha A Shenoy	Anusha, MIT Manipal, Savitha A Shenoy, SMVITM, Bantakal, Harish S V, MIT, Manipal, "A Study To Detect Emotions From Twitter Text Using Machine Learning Algorithms"
Mr. Shrinivasa	A Review on Chronicle of Cloud Computing Security and Storage Environment Models
Dr. Nagaraj Bhat	Chowdari, K. K., Deb Barma, S., Bhat, N., Girisha, R., Gouda, K. C., & Mahesha, A. (2023). Trends of seasonal and annual rainfall of semi-arid districts of Karnataka, India: application of innovative trend analysis approach. Theoretical and Applied Climatology, 152(1-2), 241-264.
Mr. Shrinivasa	HEALTH MONITORING BASED COGNITIVE IOT USING FAST MACHINE LEARNING TECHNIQUE
Dr. Nagaraj Bhat	Chowdari, K. K., Barma, S. D., Bhat, N., Girisha, R., & Gouda, K. C. (2022, December). Evaluation of ARIMA, Facebook Prophet and a boosting algorithm framework for monthly precipitation prediction of a semi-arid district of north Karnataka, India. In 2022 Fourth International Conference on Emerging Research in Electronics, Computer Science and Technology (ICERECT) (pp. 1-5). IEEE.
Ms. Rukmini Bhat B	Rukmini Bhat B, Yashashwini A S, Kavya Rao "Counterfeit Drug detection using Ethereum Blockchain" -Periodicals of Engineering and Natural Sciences
Dr. Sowmya J Bhat	Bhat, S. J., & Santhosh, K. V. (2022). An artificial hummingbird algorithm based localization with reduced number of reference nodes for wireless sensor networks. Physical Communication, 55, 101921.
Ms. Dhanya Shenoy	Unsurpassed Image Surveillance System

Awards/achievements of the Faculty

Faculty Name	Achievement Details
Dr. Soumya J Bhat	Conference reviewer
Dr. Bharti	Reviewed papers
Dr. Soumya J Bhat	Paper review "A sensor node localization approach using a Nature-inspired Algorithm in a distributed Wireless Sensor Network"
Dr. Soumya J Bhat	Doctoral advisory committee member
Dr. Soumya J Bhat	Kavach 2023 evaluator
Dr. Soumya J Bhat	Conference reviewer for CISCON 2023
Dr. Sowmya J Bhat	reviewing manuscript entitled "Exploration of Different Topologies for Optimal Sensor Nodes Deployment in Wireless Sensor Networks using Jaya-Sine Cosine Optimization Algorithm" for The Journal of Supercomputing
Mr. Sadanada L	Paper Review
Dr. Sowmya J Bhat	reviewing manuscript entitled "Hybridized Dragonfly and Jaya algorithm forOptimal Sensor Node Location Identification in Mobile Wireless Sensor Networks" for The Journal of Supercomputing.
Mr. Shrinivasa	Patent Published on "Artificial Intelligence Based Approach for Evaluating and Revealing Consumer Insights Through Visual Analysis of Social Media images.
Ms. Rukmini Bhat B	Students won 2nd runner-up in Hackathon Competition
Mr. Shrinivasa	Patent Filed
Ms. Savitha A Shenoy	Reviewer in the XIX Control Instrumentation System Conference CISCON-2022
Dr. Sowmya J Bhat	reviewer in the XIX Control Instrumentation System Conference CISCON-2022
Ms. Sahana	NPTEL Online Certification for successfully completing course Data Mining
Dr. Sowmya J Bhat	Doctoral Advisory Committee of Mr. Rolen, MIT, Research scholar
Dr. Sowmya J Bhat	reviewing manuscript entitled "Design of Delay Tolerant Networking to ensure an uninterrupted data communication in Underwater Wireless Sensor Network" for the KSII Transactions on Internet and Information Systems

Faculty as Resource person

Faculty Name	Event Details (Title, Type of the event)
Ms. Savitha A Shenoy	Android Workshop
Ms. Chaithra	Mindfullness: Selfawareness and Corporate Culture Ethics etiquates
Ms. Savitha A Shenoy	Communication Skill, Student Induction Program at Indira Shiva Rao Polytechnic
Ms. Sahana	Android Workshop, for BCA Students of St. Marys College, Shirva
Ms. Sahana	Value added course, AI-ML,SMVITM
Ms. Yashaswini Jogi	5 days Hand on workshop on Programming Skills Development
Ms. Savitha A Shenoy	Programming Skills Development, Hands on Workshop
Dr. Sowmya J Bhat	Web Development Workshop
Ms. Sahana	Web Development Workshop
Ms. Sowmya S	Web Development Workshop
Ms. Sahana	Web Development Workshop,by BCA Department
Ms. Savitha A Shenoy	IT Literacy, Workshop
Ms. Savitha A Shenoy	Talk on Universal Human Values
Ms. Sowmya S	Seminar on Universal Human Values
Dr. Sowmya J Bhat	Project competition for the final year students
Ms. Sowmya S	Python Programming, Value Added Program
Dr. Nagaraj Bhat	Value added Course on C
Dr. Nagaraj Bhat	Recent Advancement in Coutcome Based Education and Civil Engineering Industry
Ms. Yashaswini A S	Value Added Course on "C Programming"
Ms. Dhanya Shenoy	Value Added course on C programming (5days)

Student Achievement

Final year Student of CSE Ms. Shrutha Baht has own the best ISTE student of the year award for the year 2022-23, the award function was held at CIT, Bangalore

The CSE students of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal have won Runner – Up prize in VTU Mangalore Zone Table Tennis tournament held at Shridevi Institute of Technology, Kenjaru, Mangaluru on 12 July 2023. Also the team participated in the VTU Inter collegiate State Level table Tennis competition held at Kalpataru Institute of Technology, Tiptur, on 15th and 16th July 2023.

CSE 2019-23 BATCH (A - Section)

CSE 2019-23 BATCH (B - Section)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

SHRI MADHWA VADIRAJA

INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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

Accredited by NAAC with "A" Grade | Accredited by NBA

Affiliated to the Visvesvaraya Technological University, Belagavi

Approved by AICTE,New Delhi & Recognized by Government of

Karnataka

Vishwothamanagar, Bantakal – 574 115, Udupi, Karnataka, India

SMVITM

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

NEWSLETTER

SMVITM

SMVITM

Volume: 7 Issue 2
AY: 2021-22

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(A Unit of Shri Sode Vadiraja Mutt Education Trust (R), Udupi)
Accredited by NAAC with "A" Grade | Accredited by NBA
Affiliated to the Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognized by Government of Karnataka
Vishwothamanagar, Bantakal – 574 115, Udupi, Karnataka, India

CSE NEWSLETTER

Our Vision

To be recognized as a center of excellence in the field of Computer Science and Engineering imparting holistic education catering the needs of the society.

Our Mission

- Impart knowledge by providing a healthy learning environment.
- Encourage the zeal to be updated in technology front and abide by ethical and moral values.
- Engage in result oriented research and innovation to cater the societal needs.

In This Issue

About the 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 aims at training the students to be industry-ready by the end of their course through regular curriculum as prescribed by the University and also with supplementary programs, throughout their study.

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.

Along with the regular curriculum, the Department organizes various guest-lectures/invited talks by eminent faculty from reputed institutions/industry experts to keep students up-to-date about the latest technological developments. In addition to this, there are some eminent academicians appointed as Adjunct Faculty with the Department to supplement teaching, mentoring and guiding the students as well as the faculty members and also to promote research culture in the Department.

The Department has state-of-the-art laboratories equipped with high-end computers and other required peripherals to meet the academic needs of students. 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 in programming and software development. In addition to the existing labs, an internet lab as a central facility is being developed.

Department Activities

Staff Development Program on "Computer Hardware Technology"

Department of Computer Science and Engineering in association with ISTE Faculty Chapter of SMVITM, organized a 3 Days Staff Development program on "Computer Hardware Technology" from 21 April to 23 April 2022.

The inaugural ceremony was held on 21 April 2022 at CC3 Lab. Dr. Thirumaleshwara Bhat, Principal of SMVITM delivered the presidential address. He congratulated the Department for organizing such programs for the technical staff members and also the participants, for their enthusiasm, which will help them to improve their technical skills. Dr. Sudarshan Rao K, Dean Quality Assurance, Dr. Nagaraj Bhat, HOD, Department of Computer Science and Engineering also spoke about the importance of such programs.

Mr.Suresh Rao U, Mr. Shashidhar Pai K, Mr.Rajashankar, Mr.Vikramadithya was the resource person for the event. In the three days, the speakers laid the foundation into the computer hardware basics, troubleshooting, installations, booting, domain creation, college MIS etc. The program ensured that the participants are familiar with new errors occurring in the systems during the laboratory hours. It was an opportunity for them to enhance their technological skills. It provided an opportunity to all the technical staff members to learn something new, discover themselves or even share the knowledge they have. Around 20 technical staffs from all the departments participated in the SDP. The

valedictory program was held on 23rd April 2022 at CC3 Lab. Dr Ganesh Aithal, Vice Principal of SMVITM delivered the concluding remarks. He stressed upon the role of technical staff in the smooth conduction of the laboratory and how such programs helped them to enhance their skills. Mrs Savitha A Shenoy, Mr Sadananda L, senior Assistant Professors of computer science department along with Mrs Sneha N S, Department ISTE Coordinator coordinated the program.

Two Days Workshop on "DevOps and AWS Industrial Tools"

Two Days Workshop on "DevOps and AWS Industrial Tools" on 20 and 21 May 2022 was organized by the Department of Computer Science and Engineering in association with the ISTE Student Chapter. Mr. Pradeep Kumar T V, Lead Engineer at HCL Technologies Ltd. was the resource person for the event.

The event was inaugurated on the morning of 20 May in the presence of the Mr. Pradeep Kumar T V, the resource person, Prof. Dr. Thirumaleshwara Bhat – the Principal of the college, Dr. Nagaraj Bhat – HOD of CSE and Ms. Sneha N S – Senior Assistant Professor, Department of CSE along with other teaching and non-teaching staff members and registered participants.

During the Inaugural Ceremony, the HOD, the resource person and the Principal addressed the gathering on the importance of such Value-Added Workshops. Bhargavram Udupa T from 8th semester CSE was the event moderator of the Inaugural Ceremony. Shrutha V Bhat from 6th semester CSE introduced the speaker.

The resource person started with AWS (Amazon Web Services). He illustrated the concept of Virtual Private Cloud and its various terminologies. Then a hands-on demonstration was made on Git and GitHub – a tool for Version Control and Collaboration. Few Linux Shell Commands were also demonstrated. On the second day the resource person gave a hands-on demonstration on Docker and Kubernetes in Play with Docker and Play with Kubernetes, a Web based tool. Downloading images from DockerHub and containerizing them with Docker was demonstrated. The speaker also told about various other Docker commands like docker swarm, etc. Then the speaker demonstrated Jenkins – a tool for Continuous Integration and Continuous Deployment (CI/CD). He showed the participants how to set up Jenkins in their systems and demonstrated it by taking a real world example. He also briefly talked about Ansible – a configuration management tool. The speaker concluded the session by showcasing various job opportunities in numerous IT companies through various career portals like Naukri.

The event was concluded with an informal valedictory function. Various students shared their feedback.

Ganesh Hathwar B S of 8th semester CSE helped the organizing team in designing the flyer for the event.Shrutha V Bhat from 6th semester CSE designed the certificate.

Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Dr. Nagaraj Bhat HOD Computer Science and Engineering Department, and Ms. Sneha N S faculty from Computer Science and Engineering Department played a major role in the smooth conduction of the event.

MuleSoft IL Online Training Program

The Department of Computer Science and Engineering in collaboration with Training and Placement Department organized "MuleSoft IL Online training program" for the students of 3rd year CSE from 6 to 14 June 2022 (Seven Days).

This course was arranged for students to get hands-on experience using Anypoint Platform to build APIs and integrations. In this phase of training, students used Anypoint Platform to discover, consume, design, build, deploy, manage, and govern APIs. This training was Online Instructor led program for seven days which included hands-on sessions.

The sessions were monitored by faculty coordinators Ms. Dhanya Shenoy and Ms. Savitha A Shenoy.

Outcome: Students have learnt to build an application network using API-led connectivity and Anypoint Platform. And also five students have shown interest to be the Mulesoft Campus Ambassadors.

Verification and Validation of Resume

The Department of Computer Science and Engineering in collaboration with Training & Placement Department organizied an activity on "Verification and Validation of Resume" for third year students of CSE department on 21 July 2022 in LH 204.

As the placement drives would begin during seventh semester, Resume is one important thing the recruiter really cares about and pays the most attention to. So the department planned this activity to prep up the students for the coming semester. Our faculties Ms. Dhanya Shenoy, Ms.Savitha Shenoy and Ms. Yogeshwari B.H executed this activity successfully.

Outcome: Every student had developed their own well designed Resume.

The 3 days' workshop on Flutter applications

The 3 days' workshop on Flutter applications was organized by the Co- curricular/Extra-Curricular Committee along with the Alumni cell of the Department of Computer Science & Engineering from 20 to 22 April 2022. Around 30 interested students from second year CSE participated in the workshop.

Mr. Bhargav Ram Udupa, Trainee Software Engineer at Robosoft Technologies and Mr. Krishnamurthy Bhagvath, Assistant System Engineer, TCS was the resource persons for the event.

The purpose of the event was to give an insight to the new technologies introduced in the Industry. Flutter is one such technology which is used in Mobile Application Development. It is an open source framework by Google for building beautiful, natively compiled, multi-platform applications from a single codebase. Hands-on experience was given to students by making them develop small applications. The students were given an assessment test at the end of the 3 days' workshop.

The valedictory program of the workshop was held on 22 April 2022. Dr Nagaraj Bhat, HOD of Computer Science & Engineering appreciated the efforts of the resource persons for giving an exposure on Flutter Technologies to the students in a short span of 3 days.

Ms. Yashaswini Jogi, Department Alumni Coordinator, Ms. Savitha A Shenoy, coordinator of Co-Curricular/Extra-Curricular activities coordinated the event. Mr. Vikramadithya, Programmer of the department assisted in Technical activities for all the 3 days.

Student Accomplishments

Winner of ROBO-SOCCER

Hitheyesh, Prinston Leron Liews, Rishub Barkur and Suraj Shetty Final year students of department of CSE, SMVITM, Bantakal, have own the first place in the event 'ROBO-SOCCER' held as part of the 'AAKAR – 2022' college fest organized by A. J. Institute of Engineering and Technology, Mangaluru.

Project Selected for National Level Smart India Hackathon – 2022

The project titled "Athulya-Online Knowledge Assessment" proposed by the Computer Science and Engineering students of Shri Madhwa Vadiraja Institute of Technology and Management has been selected for the grand finale of Smart India Hackathon – 2022. The team consists of Rakshith Acharya, Raksha B Kottari, Shreya S, Sumantha Shettigar, Shrutha V Bhat and Vikram Girish Thunga and is guided by Ms. Sahana, Assistant Professor, Department of CSE. The project intends to provide a centralized platform to track the academic performance of the student at various levels and also it provides the flexibility to take competitive exams anywhere in the country. The Problem statement was given by Ministry of Electronics and Information Technology (MEITY), Government of India. The finale of the event will be held on fourth week of August 2022. The College management has congratulated the students for their achievement and wishes them for the final event.

Toppers List of AY: 2021-22

ODD SEMESTER		
VII		
PASS PERCENTAGE		**92.93**
I	BHOOMIKA (4MW18CS019)	**9.00**
II	ANUSHA (4MW18CS011)	**8.95**
III	BHARGAVRAM UDUPA T (4MW18CS018)	**8.75**
V		
PASS PERCENTAGE		**91.06**
I	ANANYA D (4MW19CS009)	SRUSHTI H RAO (4MW19CS095)	**9.04**
II	VAISHNAVI D (4MW19CS109)	**9.00**
III	JELENA RIYA LEWIS (4MW19CS041)	**8.92**
III		
PASS PERCENTAGE		**58.04**
I	GAJENDRA S KUNDAR (4MW20CS028)	**9.00**
II	ADITHYA M ACHARYA (4MW20CS005)	**8.92**

III	SHEIKH MOHAMMED SHUHOOD (4MW20CS073)			8.88
EVEN SEMESTER				
VIII				
PASS PERCENTAGE				99.00
I	BHOOMIKA (4MW18CS019)	FATHIMA NAMIHA (4MW18CS026)		9.83
II	ANUSHA (4MW18CS011)	AQSA BASHEER (4MW18CS013)	BHARGAVRAM UDUPA T (4MW18CS018)	9.67
	K NIVEDITHA (4MW18CS032)	KAVYA RAO N (4MW18CS036)	KAVYA T J (4MW18CS037)	
	KRIPASHREE (4MW18CS038)	NAVYA SHANBHAG (4MW18CS045)	PRAJNASHREE P ACHAR (4MW18CS054)	
	SHARNYA M (4MW18CS071)			
III	ANJALI (4MW18CS008)			9.61
VI				
PASS PERCENTAGE				96.72
I	GOUTHAM N SHET (4MW19CS036)			9.63

II	JEEVITHA (4MW19CS040)	9.50
III	PRASANNASHREE (4MW19CS067)	9.42
IV		
PASS PERCENTAGE		77.48
I	SHEIKH MOHAMMED SHUHOOD (4MW20CS073)	9.21
II	ROYSTON SIMON D ALMEIDA (4MW20CS064)	UNNATHI (4MW20CS100)	8.96
III	GAJENDRA S KUNDAR (4MW20CS028)	8.83

Placed Students of 2018- 2022 Batch

INFOSYS LTD., BENGALURU	Infosys

AKANKSHA		VARSHA EG	
ANUSHA		KAVYA	
PRAJNA Y		NISHMITHA SHETTY	
PRAJWAL P SHETTY		ANUSHA	

TATA CONSULTANCY SERVICES LTD., BENGALURU	tcs TATA CONSULTANCY SERVICES

ASHRITHA SANIL		S SINCHANA	
BHOOMIKA		SHARANA K.U	
KAVYA RAO N		SHETTY SNEESHA DINESH	

KRIPASHREE BHAT

KRISHNAMURTHY BHAGAVATH

PRAJNA Y

PRASHANTHI

RASHMITHA

RAYSON LAWRENCE DSOUZA

RISHABH BARKUR

SHREYA NAYAK. K

SUMAYYA

TUSHAR R SHETTY

TWENSICA SWEDEL PINTO

SHWETA RAMACHANDRA BHAT

SHASHANK MAHESHWAR SHENVI

SHARANYA M

CAPGEMINI TECHNOLOGY SERVICES INDIA LIMITED, BENGALURU

HARIS K

CHAITRA B R

VAISHAK V PRABHU

ADITHI S NAYAK

KAVYA TJ

NAMEERA SULTHANA

ASHRITHA SANIL

SACHIN

VARSHA EG

NEHA SHETTIGAR

DISCOVER DOLLAR TECHNOLOGIES PVT. LTD., BENGALURU

NAVYA SHANBHAG

WIPRO LIMITED, BENGALURU

FATHIMA NAMIHA

ANJALI

NIKHIL G POOJARY

SHUBHAM MANJUNATH VERNEKAR

VIVEK SHENOY Y

ANINDITHA

G ADITYA

MOHAMMED ISMAIL

NAVYA SHANBHAG

SHARANYA M

TWENSICA SWEDEL PINTO

IBM INDIA PVT. LTD., BENGALURU	
PRAJNASHREE P ACHAR	SHARANYA M

MINDTREE LTD., BENGALURU	
VIVEK SHENOY Y	SHREYA NAYAK. K

ALACER SYSTEMS AND TECHNOLOGY PVT. LTD., BENGALURU
G ADITYA

HCL TECHNOLOGIES LIMITED, NOIDA
NIKHIL G POOJARY

ROBOSOFT TECHNOLOGIES PVT. LTD., UDUPI	
ANANYA BHAT	SANDESH PRABHU

BENAKA BHARADWAJA		**SANTHOSH G PATKAR**	
BHARGAVRAM UDUPA T		**SARVESH SP**	

MANGALORE INFOTECH SOLUTIONS PVT. LTD., MANGALORE

BHOOMIKA		**SHAMITH JOSHI**	
POOJARI HARSHIT SADASHIV		**SURAJ**	

NOVIGO SOLUTIONS INC., MANGALORE

NAVYA SHANBHAG		**TEJAS S RAO**	
SANDESH PRABHU		**VINEETH P NAYAK**	

JUEGO STUDIO PVT. LTD., BENGALURU

BENAKA BHARADWAJA	

SASKEN TECHNOLOGIES, BENGALURU

ANUSH BIJUR

RAYSON   LAWRENCE DSOUZA

CHANDANA H R

SHARANA K.U

KRITHI S SHERIGAR

SHRAVAN A SHETTY

PRAJNASHREE P ACHAR

VIGNESH KUDVA

RAKSHAK SHET

SHWETA RAMACHANDRA BHAT

COGNITIVECLOUDS SOFTWARE PVT.LTD., BENGALURU

AISHWARYA S

DHANUSH

GAUTHAM NAYAK

ANJALI

KAVYA TJ

ANUP HEGDE

SMITHA

ASHA

DESTINATION TECHNOLOGIES, BENGALURU

ANJALI

VAISHAK V PRABHU

ASHA

GANESH HATHWAR B S

SHUBHAM MANJUNATH VERNEKAR

PALLE TECHNOLOGIES, BENGALURU

KAVYA TJ

ACEMICROMATIC MANUFACTURING INTELLIGENCE TECHNOLOGIES PVT. LTD., BENGALURU

FATHIMA NAMIHA

NAMEERA SULTHANA

NIREEKSHA

EXPLEO GROUP, TAMIL NADU

VAISHAK V PRABHU

6D TECHNOLOGIES, BENGALURU

KAVYA

CODECRAFT TECHNOLOGIES PVT LTD., MANGALURU

NEHA SHETTIGAR

NISHMITHA SHETTY

SACHIN

RINEX TECHNOLOGIES PRIVATE LIMITED MANGALORE

K NIVEDITHA KAMATH		KRIPASHREE BHAT	
KAVYA RAO N			

7EDGE PRIVATE LIMITED MANGALORE

	FAREES AHMED SHAIKH	

TRESCON GLOBAL BUSINESS SOLUTIONS PVT LTD., BENGALURU

	SHARANYA U	

QSPIDERS SOFTWARE TESTING CENTER, BENGALURU

SHREYA SUBHAS CHANDRA SHETTY		NITHISH SHETTY	

	PRAKRITHI S RAO	
PRATIAN TECHNOLOGIES, BENGALURU		
	GANESH HATHWAR B S	

Faculty Accomplishments

Ph. D awarded to Dr. Soumya J Bhat.

Ms. Soumya J Bhat, Associate Professor in Computer Science & Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, has been awarded Ph.D. degree by Manipal Academy of Higher Education for her research thesis titled "Design of Fault-Tolerant Localization And Deployment Method For Wireless Sensor Networks With Irregular Terralins" submitted under the guidance of Dr. Santhosh K V, Professor, Manipal Academy of Higher Education.

Publication Details

1. Rakshak Shet, Nithish Shetty, Suraksha Acharaya, Guruprasad, **Dhanya Shenoy** ,(2022), Unsurpassed Image Surveillance System, International Journal for Research Trends and Innovation-IJRTI, Volume 7,Issue 6,ISSN:2456-3315,Page number:686-690.

Workshop Attended

1. **Ms. Sahana, Ms. Savitha A Shenoy, Ms. Sowmya NH, Ms. Dhanya Shenoy, Ms. Yashaswini A S, Ms. Vijetha Achar, Ms. Soundharaya R, Ms. Sneha N S** and **Ms. Harshitha G M** has participated and successfully completed One Week AICTE – VTU Joint Teachers Training Programme on "*An Overview of Teaching Techniques in Data Science and Analytics*" between 25 and 29 April 2022 Organized by VTU Human Resource Development Centre (VTU - HRDC), Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur.

Faculty Development Program Attended

1. **Ms. Rukmini Bhat B, Ms. Dhanya Shenoy, Ms. Vijetha Achar** and **Ms. Soundharya** has participated in the Five Days Faculty Development Program on "*Natural Language Processing*" organized by Electronics and Communication Engineering of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Karnataka Science and Technology Academy from 25 to 29 July 2022.

2. **Ms. Yashaswini Jogi, Ms. Sowmya NH, Ms. Sahana, Ms. Savitha A Shenoy** and **Mr. Sharath Kumar** has actively participated in One Week Online Faculty Development Programme on "*21st Century Skills for Teaching & Learning (CSTL-2022)*" organized by the Department of Computer Science and Engineering of GMR Institute of Technology from 16 – 20 August, 2022.

3. **Ms. Yashaswini Jogi, Ms. Sowmya NH, Ms. Sahana**, **Ms. Sowmya S** and **Mr. Sharath Kumar** has successfully completed on week Faculty Development Program on "*Amazon Web Services*" during the period of 22 – 27 August 2022, organized by the Department of CSE, GMR Institute of Technology, Rajam in collaboration with Brainovision solutions India Pvt. Ltd, CSI & All India Council for Technical Education – AICTE.

Guest Speaker

1. **Dr. Nagaraj Bhat, Ms. Yashaswini A S** and **Ms. Dhanya Shenoy** have conducted session on Value Added Course on "*C Programming*" from 04 to 09 April 2022.

2. **Dr. Nagaraj Bhat** delivered talk on "Satellite image processing using tools" on 08 April 2022 in a Three Day Faculty Development Program with a theme "*Recent Advancement in Outcome Based Education and Civil Engineering Industry*" held at SMVITM College premises, Bantakal from 07 to 09 April 2022, organized by Department of Civil Engineering, SMVITM, Bantakal.

3. **Ms. Sowmya S** conducted session on Four Days Value Added Program on "*Python Programming*" during 13 to 16 June 2022.

Seminar Attended

1. **Mr. Shrinivasa** and **Mr. Sharath Kumar** have successfully participated in "*IP Awareness/Training program*" under National Intellectual Property Awareness Mission on 03 August 2022.

2. **Ms. Yashaswini Jogi, Ms. Sowmya NH** and **Mr. Sharath Kumar** has actively participated in One Day International Webinar on "*Application of ICT for Effective Learning and Teaching*" organized by Grizzly College of Education, Jhumritelaia held on 20 August 2022 on Zoom platform .

Department of Computer Science and Engineering

Vishwothama Nagar, Bantakal Udupi-574 115 Karnataka, India.
Phone: +91 9611615001 | Email: cs@sode-edu.in
Web site: https://sode-edu.in/departments/computer-science-engineering/

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

NEWSLETTER

SMVITM

Volume: 7

Issue: 1

October 2021 – March 2022

SMVITM

Volume: 7 Issue 1
AY: 2021-22

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(A Unit of Shri Sode Vadiraja Mutt Education Trust (R), Udupi)
Accredited by NAAC with "A" Grade | Accredited by NBA
Affiliated to the Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognized by Government of Karnataka
Vishwothamanagar, Bantakal – 574 115, Udupi, Karnataka, India

CSE NEWSLETTER

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

In This Issue

Our Mission

To educate the Computer Science Engineering aspirants with basic and advanced technologies.

To prepare students with additional skill-set so that, they can make a difference in competitive environments.

To orient themselves towards continuously improve their technological skills.

To train students to communicate effectively and be faithful to ethical values.

About the 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 aims at training the students to be industry-ready by the end of their course through regular curriculum as prescribed by the University and also with supplementary programs, throughout their study.

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.

Along with the regular curriculum, the Department organizes various guest-lectures/invited talks by eminent faculty from reputed institutions/industry experts to keep students up-to-date about the latest technological developments. In addition to this, there are some eminent academicians appointed as Adjunct Faculty with the Department to supplement teaching, mentoring and guiding the students as well as the faculty members and also to promote research culture in the Department.

The Department has state-of-the-art laboratories equipped with high-end computers and other required peripherals to meet the academic needs of students. 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 in programming and software development. In addition to the existing labs, an internet lab as a central facility is being developed.

Department Activities

Domain Specific Training

The Department organized one day "Domain Specific Training" for the students of 3rd year CSE on 04 October 2021.

Domain Specific Training was designed to discuss the concepts of core subjects of Computer Science and Engineering Course like C, C++, Data Structure, Database Management System, Computer Networks, Operating System, Design and Analysis of Algorithms and Computer Organization. Subject experts of the department handled one hour each on their respective subjects. They focused on specific subject preparation needed for any forthcoming interviews, especially for internship opportunities. Faculty members Dr. Nagaraj Bhat, Mr. Shrinivasa, Ms. Sahana, Mr. Sharath Kumar, Ms. Rukmini Bhat B, Ms. Savitha A Shenoy, Ms. Harshitha G M, and Ms. Dhanya Shenoy were part of this event. The event also focused on preparing students for course specific Competitive exams. Training consisted of solving problems from previous year technical round question papers of various IT industries.

Value added course on R Programming

The Department organized a 40 days value Added course on "R Programming" which began on 23 October 2021 and ended on 12 February 2022. Ms. Rukmini Bhat B, Ms. Sneha N S, Assistant Professors (Sr.), Ms. Deepthi G Pai, Assistant Professors, Dept. of CSE handled the course.

Dr. Thirumaleshwar Bhat, Principal, SMVITM gave the inaugural address. He spoke about the significance of the value-added courses in students' professional life and gave insights on the importance of R Programming for working with Data Analytics. The course covered the entire basics of R Programming consisting of operators, data types, input output, control statements, Functions. The course ended with a hands-on assessment on the topics that were taught during the course.

The registrations were handled by Ms. Deepthi G. Pai. Assessment evaluation was handled by Rukmini Bhat B. Feedback and certificates distributions were handled by Sneha N S. Ms. Chitrakala Shetty and Ms. Gowri T Bhat provided technical support during the Laboratory sessions. Dr. Nagaraj Bhat, HOD Computer Science and Engineering Department, delivered the concluding remarks at the end of the course and helped in the smooth conduction of the entire course.

FDP on Artificial intelligence and Machine Learning

The Department in association with Tequed Labs has organized a Five days FDP on Artificial intelligence and Machine Learning on 28 October 2021to 1 November 2021.

Dr. Nagaraj Bhat, Head and Professor, Dept. of CSE, gave the opening remarks in the beginning of the FDP highlighting the need for the faculty to get themselves acquainted with problem solving using trending programming languages in both academia as well as industry.

Mr. Mohammed Ameer, Corporate Trainer at Tequed Labs, Mr.Adithya S K, CTO and Director at Tequed Labs and Mr. Ameen Manna Corporate Trainer at Tequed Labs were the resource persons for the workshop.

The FDP is aimed at imparting knowledge and training on the fundamentals of Machine Learning and its applications. The Main Objective is to make the participants familiar with machine learning and information retrieval techniques. This programme was beneficial to Faculty members and Research scholars who intended to practice/begin research in the field of processing and analysis of data using advanced techniques such as AI/ML/DL etc.

Content of the FDP:

Day 1: Introduction to python Libraries and for data acquisition and handling

Day 2: Implementation of Linear Regression Algorithms and Predictions. Usage of Tensor Flows and Keras Libraries.

Day 3: Hand-on Session (As per VTU syllabus 18CSL76) and allocation of mini project

Day 4: Discussion of mini project

Day 5: Presentation of mini project and Valedictory programme.

Totally 24 Faculty members from approved institutions attended the FDP, where they were trained problem solving using Python Programming. The key topics covered in the workshop were, Installation of Python interpreter and Anaconda software, Elementary programming in Python, Conditionals and iterations, Defining functions and usage of built-in functions in Python, Strings and files, Data structures in Python (Lists, Tuples and Dictionaries), Regular expressions and modules, Object oriented programming in Python and Introduction to NumPy and Pandas.

The outcomes of this FDP are:

✔ Understand the components of a Machine Learning algorithm.

✔ Apply Machine Learning tools to build and evaluate predictors

✔ How Machine Learning uses computer algorithms to search for patterns in data

✔ How to uncover hidden themes in large collections of documents using topic modeling

✔ How to prepare data, deal with missing data and create custom data analysis solutions for different industries

✔ Basic and frequently used algorithmic techniques including sorting, searching, greedy algorithms and dynamic programming

✔ Familiarity with Python installation, syntax and design

✔ Every participant developed a project using a python programming project so feel more comfortable with the applications for the same.

Feedback from Participants: The Session gave full hands-on in Google Colaboratory Project Development. Participants   Learned disciplined engineering approach and practical skills in the specification, design and implementation of python programming-based projects.

Mrs. Savitha Shenoy, Assistant professor (Sr.), Mr. Sadananda L, Assistant professor (Sr.), Ms. Ramyashree, Assistant professor and Mrs. Gowri T Bhat, Foreman from, Department of CSE, coordinated the event. HoD of CSE Dr. Nagaraj Bhat, faculty members of the department attended the event.

Invited talk on Recent trends in Deep learning

The Department in association with the ISTE Student Chapter organized an Invited Talk on "Recent Trends in Deep Learning" on 30 October 2021, from 1:00 pm to 2:00 pm. Mr. Mohammed Ameer, Corporate Trainer at Tequed Labs was the resource person for the event.

The event was conducted in Seminar Hall at Admin Block of the college. There were around 90 enthusiastic participants throughout the session. In the session, Mr. Ameeer, gave some wonderful insight to the participants about what Deep Learning is, demonstrated some live examples using Google's Teachable Machine platform, showed some products which employ the techniques of Deep Learning, informed about various tools that could be used, and answered all the questions which the participants had asked during the session.

Bhargavram Udupa T from 7th semester CSE delivered the welcome address who was also the event moderator. Shrutha V Bhat from 5th semester CSE introduced the speaker. The vote of thanks was given by Avanti V Rao from 5th semester CSE. The registrations and feedback were also handled by Bhargavram Udupa T. Ganesh Hathwar B S of 7th semester CSE helped the team in designing the flyer for the event. Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Dr. Nagaraj Bhat, HoD and Ms. Sneha N S, Department ISTE coordinator played a major role in the smooth conduction of the event.

Alumni Talk by Ms. Laxmitha Pai

The Alumni Cell in association with the Department has organized a Student-Alumni interaction activity by Ms. Laxmitha Pai on 13 November, 2021 at 12.00PM.

She was a student of the batch 2014-2018 Computer Science and Engineering. Ms. Laxmitha Pai is currently working as Cloud Associate, Niveus Solution Pvt.Ltd. Udupi. She was an intern at Dell for one year during her masters. She gave an overview of internships, its importance and also on how to select the internships. She advised not to go for paid internships where students need to pay to the company for providing an internship.

She opined that long term internships say two or more months would be really helpful over short term internships. She also told that, long term internships may get converted into recruitment in the same company.

Mr. Venugopala Rao A.S, Assistant Professor (Sr.) welcomed the gathering and introduced the speaker to the audience. Ms. Ramyashree Assistant Professor and Mr. Venugopala Rao A.S, Assistant Professor (Sr.) and Department Alumni coordinators coordinated the event. Head of

the Department Dr. Nagaraj Bhat, faculty members of the department and students of SMVITM attended the event.

Guest Talk on Career Mapping and Effective Communication

The Department in association with IEEE student branch organized a talk on "Career Mapping and Effective Communication" for the students of 2nd year Computer Science & Engineering on 29 November 2021.

Mr Prasad Pai K, Senior Solution Architect, Niveus Solutions Pvt. Ltd, Udupi was the resource person for the event. Mr Prasad gave an insight to the students on different domains in the IT Industry and also told the students to select the area of their interest for their career. He also focused on resume writing and emphasized the need to have a very attractive resume. Mr Prasad said that writing is an art and gets better only with practice.

At the end of the session, he called upon students to summarize the entire session. Mavitha Bhat, Shridhar and Sainath presented a brief summary about the talk. Mrs. Savitha Shenoy, Assistant Professor (Sr.), from the Department of Computer Science & Engineering coordinated the event. HoD of CSE Dr. Nagaraj Bhat, Dean R&C Dr Vasudeva and Placement Officer Mrs Vidhya Bhat were present throughout the event.

Student entrepreneurial event – 'ಸಮುದ್ಯತಾ'

The management & entrepreneurial event – 'ಸಮುದ್ಯತಾ' was conducted for pre-final year students of the department of Computer Science & Engineering in the institute premises on 30 November 2021. The purpose of the event was to provide students with insights into management and entrepreneurial activities. More than 100 students took part in the event. The major goal of this event was to provide real-world experience in product production and marketing. As part of this event, students were required to earn the money on their own by participating in innovative activities. Later, as part of a real business task, a huge number of students prepared best out of waste and sold it to the audience, by which they earned a reasonable amount of money on their own. Students participated in many other management related events such as Flip Flop, Group Discussion about emerging topics, Building Towers, Two Truths and a Lie, and so on which enthralled the participants.

Ms.Ramyashree, Assistant Professor, of Computer Science and Engineering department welcomed the gathering and Dr.Nagaraj Bhat, Head of Department, Computer Science and Engineering addressed the gathered students, gave a brief prelude to the event and motivated them towards active participation with his words.

The event – 'ಸಮುದ್ಯತಾ', A student entrepreneurial activity' mentored by Ms. Savitha Shenoy and Ms. Ramyashree, Assistant Professors, from the department of CSE, contained several interesting and fruitful activities.

The event was judged by Dr. CK Manjunath, Student Welfare Officer, and Ms. Vidya Bhat, Training and Placement Officer. At the conclusion of the event, Dr.Vasudeva, Professor and Dean (Research and Consultancy), IEEE student branch counselor, awarded prizes to the winners of various events.

Student coordinators Mr.Aniketh Shenoy, Ms.Vaishnavi D, Ms.Shravya Kamath, Ms.Avanti hosted the event and Ms.Savitha Shenoy, Assistant Professor (Sr.), department of CSE proposed the vote of thanks at the closure.

Hands on Session on Research methodology, Objective, Problem Statement

The Department in association with Research Review Cell has organized a Two days Hands-on session on 4 and 6 December 2021. Mr. Sadananda L Assistant Professor Senior, Dept of CSE, SMVITM, Bantakal was the resource person for the workshop.

The goal of the workshop is to provide knowledge and training on how to find a well-defined and well-understood problem statement for the final year project. The main goal is to get the participants to complete a literature review in order to identify a problem statement in a specific or required area. They will be able to find the different objectives for their problem statement once they have identified the problem statement.

Content of the Session:

Day 1: An overview of how to find research papers that are relevant to their topic is provided. During the literature review, the abstract and keywords of each work were discussed, as well as how to indicate the citations. It was discussed how to get free access to IEEE papers.

Day 2: Research Methodology was discussed, as well as determining the solution/objectives for the problem statement. We talked about how to use Google Scholar to find DOI links and APA style for references. Assigned activities to a group of project students to determine the DOI of the publications sought, the techniques used, the dataset used, the limitations, and the accuracy in %. Discussed the importance of KSCST funded projects.

The outcomes of this Session are:

✔ Understand the importance of finding out current problem statements for research.

✔ Different free sites access the research papers

✔ Understand the importance of keywords, abstract, conclusion for finding out new problem statement

✔ Understand the way of research methodology forms

✔ Understand the way of finding out APA style through Google scholar and DOI link

✔ Understand about project documentation

✔ Understand the importance of KSCST funded project

✔ Most of the student project groups have prepared the assigned activities and found the accuracy in percentage wise

Feedback from Participants: The Session gave full hands-on in finding out the problem statement, objectives, methodology and they successfully implemented the assigned activity.

Workshop on Python Programming

The Unnat Bharath Abhiyan Cell in coordination with the Department of BCA, St Mary's College Shirva had organized a One-day workshop on "Python Programming ''. The workshop was held at St Mary's College Shirva.

Dr. Nagaraj Bhat Head of Computer Science and Engineering SMVITM Bantakal was the Chief Guest of the program. During his talk he stressed the important role of python programming in designing software. Lieutenant Shri K. Praveen Kumar, Head of Computer Science Department, St Mary's College, Shirva Pointed out the contribution of python in Data Science and Artificial Intelligence in his opening address. Dr. Herald Ivan Monis, Principal St Mary's College, Shirva presided over the program.

The workshop was conducted from 9.30 AM to 4.30 PM. The various topics related to Python Programming were covered by the resource person. Mr. Sharath Kumar, Assistant Professor (Senior), CSE Department, SMVITM, Bantakal had explained the topics, Importance of Python programming, Flow Control, Iteration and Implementation of various Python Data Structures. Mr. Vikram Girish Thunga, Ms. Vaishnavi D, and Ms. Viashnavi Bhat of pre final Year Students, CSE Department, had helped students in hands-on exercise.

Mr. Sharath Kumar departmental coordinator of Unnat Bharath Abhiyan Cell and Dr. Nagaraj Bhat Head of Computer Science, Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal along with Lieutenant Shri K. Praveen Kumar, Head of Computer Science Department, St Mary's College, Shirva had organized and coordinated this workshop.

Technical Talk on "Glimpse of Industry Oriented Projects"

The Technical Committee and Alumni Cell of the Department jointly organized a talk on "Glimpse of Industry Oriented Projects" for the students of 2nd year Computer Science & Engineering.

Mr. Gagan Prabhu, Developer at SAP labs India Pvt . Ltd and an alumnus of SMVITM (2018 passed out batch) addressed the students. He focused on project preparations which included choosing problem statements, design and implementation. He also emphasized on interdisciplinary projects.

Mr. Gagan also briefed about the different employment opportunities currently trending in the market. He shared his knowledge about competitive exams. He explained about the importance of unique and eye-catching resumes and how an attractive resume stands different among the set of resumes kept in front of HR during the interview.

Mr. Gagan also motivated the students to start working on their area of interests and improve their skill set. He told students how to apply computer science related projects to solve real world problems. Mr Gagan emphasized on the importance of self-study and how better they can utilize their free time in building their future.

Mr Karthik Shanbhag from 2nd year Computer Science & Engineering welcomed and introduced the guests.

Peer Learning Workshop on Photoshop and poster making

The Department in association with the ISTE Student Chapter organized a Peer Learning Workshop on "Photoshop and poster making" on 11 December 2021. Ganesh Hathwar, Tejas Rao and Princeton Leron Lewis from 7th semester CSE were the resource persons for the event. Around 30 students from 3rd and 5th semester CSE participated in the workshop.

Dr. Vasudeva, Dean (Research and Consultancy) gave the inaugural address. He spoke about the significance of the peer learning session and gave insights on the importance of creativity for creating beautiful designs.

The trainers Ganesh, Tejas and Princeton gave some wonderful insight to the participants about the purpose of using Photoshop, taught about various features that are available using examples, showed some designs which they had already worked on in the past, and informed about various tools that could be used to edit photos and design graphics. They had also answered all the questions which the participants had asked during the session.

The workshop ended with a competition on designing a poster where 'Varnotsava' was given as the theme. Mr. Anantesh Rao faculty of Mechanical Engineering Department judged the competition.

The registrations and feedback were handled by Bhargavram Udupa T of 7th Semester CSE. Shrutha V Bhat and Avanti V Rao from 5th Semester CSE, and Vivek Shenoy and Shubam from 7th Semester CSE were the volunteers for the event. Ganesh Hathwar B S of 7th semester CSE helped the team in

designing the flyer for the event. Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Dr. Nagaraj Bhat HOD Computer Science and Engineering Department, and Ms. Sneha N S faculty from the Computer Science and Engineering Department played a major role in the smooth conduction of the event.

Peer Learning Workshop on PHP

The Code Troopers Club of the Department in association with the ISTE Student Chapter organized a "Peer Learning Workshop on PHP" on 1 and 2 January 2022. Mr. Bhargavram Udupa T, Ms. Ananya Bhat and Ms. Aninditha from 7th semester CSE were the resource persons for the event.

Dr. Nagaraj Bhat, HOD of CSE gave the inaugural address. He spoke about the significance of the peer learning session and gave insights on the importance of the topic for the creation of a good DBMS project.

The trainers Mr. Bhargavram Udupa T, Ms. Ananya Bhat and Ms. Aninditha gave the participants significant insights on the basics of PHP, Database CRUD (Create, Read, Update, and Delete) operations and authentication using PHP and Basics of Bootstrap Framework as well. They also taught the participants about the purpose of using XAMPP, various features that are available in Visual Studio Code, and gave some essential tips and tricks to code quickly and efficiently. They also

described the project that the participants would finally be able to build after learning about the topic. The workshop ended with a quiz on the topics that were taught during the workshop.

The registrations and feedback were handled by Bhargavram Udupa T of 7th Semester CSE. Mr. Krishnamurthi Bhagawath, Mr. G. Adithya Yaji, Ms. Chandana HR, Mr. Tejas S Rao, Mr. Benaka Bharadwaja, Ms. Shwetha Ramachandra Bhat and Mr. Farees Ahmed Shaikh from 7th Semester CSE were the volunteers for the event. Ganesh Hathwar B S of 7th semester CSE helped the team in designing the flyer for the event. Mr. Chethan R Institutional Coordinator ISTE Faculty Chapter, Dr. Nagaraj Bhat HOD Computer Science and Engineering Department, Mr. Deepak Rao M, and Ms. Sneha N S faculty from the Computer Science and Engineering Department played a major role in the smooth conduction of the event.

Alumni Talk on Problem Formulation for Hackathon

The Alumni Cell in association with the Department has organized a Student-Alumni interaction activity by Mr. Chintan Shetty and Mr. Hansen Lobo on 10 March 2022 at 10:00 AM.

The alumni members, Mr. Chintan Shetty and Mr. Hansen Lobo addressed students on problem formulation for the hackathons. Mr. Chintan Shetty is now working as an Assistant System Engineer at Tata Consultancy Services Private Limited. Mr. Hansen Lobo is a Software Engineer with NTT Data Services. They were the finalists of the Smart India Hackathon 2019; they shared their experiences

during their participation in the Smart India Hackathon-2019. They motivated the students and informed them on how to develop problem statements for the Hackathons or technical events. They also mentioned the numerous difficulties that participants faced during the execution of the ideas technically. During their presentation, Mr. Chintan stressed the significance of participating in hackathons, stating that a hackathon is now more than simply an event, but also a platform for the process of job recruitment, idea generation and many other things. Also, they advised students on how to prepare for interviews and stressed the necessity of having a LinkedIn profile. Both of them responded to the audience's questions at the end of the session. The session was interactive and fruitful.

Ms. Sahana welcomed the gathering and introduced the speaker to the audience. Dr. Nagaraj Bhat, HOD of CSE appreciated the resource persons for inspiring students to participate in Hackathons. Staff & faculty members of the department and students of SMVITM attended the event.

Farewell to Dr. Vasudeva, Dean (Research and Consultancy) and Mr. Janardhana Bhat, Assistant Professor

Student Accomplishments

First Prize in Inter-Collegiate Vigilance Awareness Essay Competition

Hearty congratulations to

Ms. Vaishnavi K.R. of 3rd year CSE for securing 1st Prize in Inter Collegiate Vigilance Awareness Essay Competition held in connection with MRPL MSNIM Vigilance Awareness Competitions 2021.

Mr. Aniketh Shenoy K. selected as SSR of IEEE Mangalore Sub-section

Section Student Representative (SSR) is the IEEE Student Volunteer responsible for student programs and benefits, and making recommendations to the IEEE Section Execom. He provides important viewpoints and information, and represents the voice of all the IEEE Student and Graduate Student members across sections to deliver a common, high quality IEEE Student member experience at IEEE Section, for lifelong, professional success through IEEE membership.

First prize in Table Tennis

Ms. Shreya of 5th semester Computer Science and Engineering student of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal has won the 1st Prize in the District level womens' singles Table Tennis competition held on 31st October 2021 at K.D Kini Indoor Stadium, Karkala, organized by Rotaract Club Bhuvanendra College Karkala.

Placed Students of 2022 passing out batch

INFOSYS LTD., BENGALURU

AKANKSHA

VARSHA EG

ANUSHA

KAVYA

PRAJNA Y

NISHMITHA SHETTY

PRAJWAL P SHETTY

ANUSHA

TATA CONSULTANCY SERVICES LTD., BENGALURU

ASHRITHA SANIL

S SINCHANA

BHOOMIKA

SHARANA K.U

KAVYA RAO N

SHETTY　　SNEESHA DINESH

KRIPASHREE BHAT

KRISHNAMURTHY BHAGAVATH

PRAJNA Y

PRASHANTHI

RASHMITHA

RAYSON LAWRENCE DSOUZA

RISHABH BARKUR

SHREYA NAYAK. K

SUMAYYA

TUSHAR R SHETTY

TWENSICA SWEDEL PINTO

SHWETA RAMACHANDRA BHAT

SHASHANK MAHESHWAR SHENVI

SHARANYA M

CAPGEMINI TECHNOLOGY SERVICES INDIA LIMITED, BENGALURU

HARIS K

NAMEERA SULTHANA

CHAITRA B R

ASHRITHA SANIL

VAISHAK V PRABHU

SACHIN

ADITHI S NAYAK

VARSHA EG

KAVYA TJ

NEHA SHETTIGAR

DISCOVER DOLLAR TECHNOLOGIES PVT. LTD., BENGALURU

NAVYA SHANBHAG

WIPRO LIMITED, BENGALURU

FATHIMA NAMIHA

ANJALI

NIKHIL G POOJARY

SHUBHAM MANJUNATH VERNEKAR

VIVEK SHENOY Y

ANINDITHA

G ADITYA

MOHAMMED ISMAIL

NAVYA SHANBHAG

SHARANYA M

TWENSICA SWEDEL PINTO

IBM INDIA PVT. LTD., BENGALURU	
PRAJNASHREE P ACHAR	**SHARANYA M**

MINDTREE LTD., BENGALURU	
VIVEK SHENOY Y	**SHREYA NAYAK. K**

ALACER SYSTEMS AND TECHNOLOGY PVT. LTD., BENGALURU
G ADITYA

HCL TECHNOLOGIES LIMITED, NOIDA
NIKHIL G POOJARY

ROBOSOFT TECHNOLOGIES PVT. LTD., UDUPI	
ANANYA BHAT	**SANDESH PRABHU**

BENAKA BHARADWAJA	**SANTHOSH G PATKAR**
BHARGAVRAM UDUPA T	**SARVESH SP**

MANGALORE INFOTECH SOLUTIONS PVT. LTD., MANGALORE

BHOOMIKA	**SHAMITH JOSHI**
POOJARI HARSHIT SADASHIV	**SURAJ**

NOVIGO SOLUTIONS INC., MANGALORE

NAVYA SHANBHAG	**TEJAS S RAO**
SANDESH PRABHU	**VINEETH P NAYAK**

JUEGO STUDIO PVT. LTD., BENGALURU

BENAKA BHARADWAJA

SASKEN TECHNOLOGIES, BENGALURU	
ANUSH BIJUR	**RAYSON LAWRENCE DSOUZA**
CHANDANA H R	**SHARANA K.U**
KRITHI S SHERIGAR	**SHRAVAN A SHETTY**
PRAJNASHREE P ACHAR	**VIGNESH KUDVA**
RAKSHAK SHET	**SHWETA RAMACHANDRA BHAT**

COGNITIVECLOUDS SOFTWARE PVT.LTD., BENGALURU	
AISHWARYA S	**DHANUSH**
	GAUTHAM NAYAK

ANJALI

ANUP HEGDE

ASHA

KAVYA TJ

SMITHA

DESTINATION TECHNOLOGIES, BENGALURU

ANJALI

ASHA

SHUBHAM MANJUNATH VERNEKAR

VAISHAK V PRABHU

GANESH HATHWAR B S

PALLE TECHNOLOGIES, BENGALURU

KAVYA TJ

ACEMICROMATIC MANUFACTURING INTELLIGENCE TECHNOLOGIES PVT. LTD., BENGALURU

FATHIMA NAMIHA

NAMEERA SULTHANA

NIREEKSHA

EXPLEO GROUP, TAMIL NADU

VAISHAK V PRABHU

6D TECHNOLOGIES, BENGALURU

KAVYA

CODECRAFT TECHNOLOGIES PVT LTD., MANGALURU

NEHA SHETTIGAR

NISHMITHA SHETTY

SACHIN

Faculty Accomplishments

Publication Details

1. Surajit Deb Barma, Sameer Balaji Uttarwar, Prathamesh Barane, **Nagaraj Bhat**, Amai Mahesha (2022). Evaluation of ERA5 and IMERG Precipitation Data for Risk Assessment of Water Cycle Variables of a Large River Basin in South Asia Using Satellite Data and Archimedean Copulas. Water Conservation & Management, 6(1): 61-69. ISSN: 2523-5664 (Print) ISSN: 2523-5672 (Online) CODEN: WCMABD. DOI: http://doi.org/10.26480/wcm.01.2022.61.69

Workshop Attended

1. **Mr. Sadananda L** attended Two days workshop on RESEARCH METHODOLOGY, OBJECTIVES, PROBLEM STATEMENT from 04-12-2021 to 06-12-2021.
2. **Mr. Venugopal Rao A S** attended Five days AICTE – VTU Joint Teachers Training Programme on UNIVERSAL HUMAN VALUES - AN OVERVIEW, VTU HUMAN RESOURCE DEVELOPMENT CENTRE (VTU - HRDC) organized by Centre for PG Studies, VIAT, Muddenahalli, Chikkaballapur from 02-03-2022 to 06-03-2022.
3. **Ms. Yashaswini Jogi, Ms. Rukmini Bhat B** and **Ms. Sowmya N H** attended Two days workshop PING 2.0.2.2 ON ARTIFICIAL INTELLIGENCE & COGNITIVE SCIENCE organized by Department of Information and Communication Technology, MIT, Manipal from 25-03-2022 to 26-03-2022.

Faculty Development Programme Attended

1. **Ms. Dhanya Shenoy** and **Ms. Deepthi G Pai** participated in Five days FDP on CYBER SECURITY APPLICATIONS AND OPPORTUNITIES FOR STARTUPS IN DIGITAL ERA at NITTE Meenakshi from 04-10-2021 to 08-10-2021.
2. **Ms. Ramyashree, Ms. Dhanya Shenoy, Ms. Yashaswini A S, Ms. Deepthi G Pai, Dr. Nagaraj Bhat, Ms. Savitha A Shenoy, Ms. Sahana** and **Mr. Sadanada L** participated in Five Days FDP on ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING held at SMVITM, BANTAKAL from 28-10-2021 to 01-11-2021.

3. **Ms. Harshitha G M** participated in Six days FDP on REFRESHER PROGRAMME ON TECHNOLOGY DRIVEN HEALTHCARE SYSTEMS from 18-01-2022 to 24-01-2022.
4. **Ms. Harshitha G M** participated in Six days FDP on RESEARCH DEVELOPMENT PROGRAMME ON PROBLEM FORMULATION, PUBLICATION, PROPOSAL & THESIS WRITING from 07-02-2022 to 12-02-2022.
5. **Ms. Rukmini Bhat B** participated in one day FDP on BLOCKCHAIN TECHNOLOGY ANALYSIS AND IMPACT organized by Universal Group of Institution on 12-02-2022.
6. **Mr. Deepak Rao M** participated in Five days FDP on AN OVERVIEW OF TEACHING TECHNIQUES IN MATHEMATICS LABORATORY USING PYTHON PROGRAMMING from 21-02-2022 to 25-02-2022.
7. **Mr. Deepak Rao M** participated in Five days FDP on UNIVERSAL HUMAN VALUES - AN OVERVIEW from 02-03-2022 to 06-03-2022.
8. **Mr. Venugopal Rao A S** participated in Five days National Level Virtual Faculty Development Program on DATA SCIENCE AND MACHINE LEARNING organized by New Horizon College of Engineering, Bengaluru from 07-03-2022 to 11-03-2022.
9. **Ms. Harshitha G.M** participated in Five days FDP on AN OVERVIEW OF TEACHING TECHNIQUES IN SOCIAL CONNECT AND RESPONSIBILITIES 07-03-2022 to 11-03-2022.
10. **Dr. Nagaraj Bhat** participated in Five days FDP on ELECTRIC VEHICLE AND SMART GRID held at SMVITM, Bantakal from 14-03-2022 to 18-03-2022.

Seminar Attended

1. **Ms. Sowmya N H** and **Ms. Sahana** attended Session on LET'S TALK HEALTH organized by Ananya foundation on 21-10-2021.

2. **Ms. Rukmini Bhat B** attended a session on PROGRAMMING AND PROBLEM SOLVING WITH PYTHON organized by McGraw-Hill on 10-02-2022.

Department of Computer Science and Engineering

Vishwothama Nagar, Bantakal Udupi-574 115 Karnataka, India.
Phone: +91 9611615001 | Email: cs@sode-edu.in
Web site: https://sode-edu.in/departments/computer-science-engineering/

SMVITM

Volume: 6 Issue 2
AY: 2020-21

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SHRI MADHWA VADIRAJA
INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(A Unit of Shri Sode Vadiraja Mutt Education Trust (R), Udupi)
Accredited by NAAC with "A" Grade | Accredited by NBA
Affiliated to the Visvesvaraya Technological University, Belagavi
Approved by AICTE, New Delhi & Recognized by Government of Karnataka
Vishwothamanagar, Bantakal – 574 115, Udupi, Karnataka, India

CSE NEWSLETTER

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

In This Issue

Our Mission

- To educate the Computer Science Engineering aspirants with basic and advanced technologies.

- To prepare students with additional skill-set so that, they can make a difference in competitive environments.

- To orient themselves towards continuously improve their technological skills.

- To train students to communicate effectively and be faithful to ethical values.

About the 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 aims at training the students to be industry-ready by the end of their course through regular curriculum as prescribed by the University and also with supplementary programs, throughout their study.

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.

Along with the regular curriculum, the Department organizes various guest-lectures/invited talks by eminent faculty from reputed institutions/industry experts to keep students up-to-date about the latest technological developments. In addition to this, there are some eminent academicians appointed as Adjunct Faculty with the Department to supplement teaching, mentoring and guiding the students as well as the faculty members and also to promote research culture in the Department.

The Department has state-of-the-art laboratories equipped with high-end computers and other required peripherals to meet the academic needs of students. 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 in programming and software development. In addition to the existing labs, an internet lab as a central facility is being developed.

Department Activities

Workshop on "Mini Project Development using Web Technology"

The Unnat Bharath Abhiyan Cell 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. Web based Project developed by the final year CSE students Mr. Chinthan Shetty, Mr. Harikrishna, Mr. Hansen, Ms. Aishwarya Kedlaya, and Ms. Shloka S Shetty was demonstrated to the participants. Mr. Sharath Kumar, Assistant Professor and departmental coordinator of Unnat Bharath Abhiyan Cell coordinated this workshop.

Alumni Talk by Mr. Krishna Raj Chadaga

The Alumni Cell in association with Department of Computer Science and Engineering has organized Student-Alumni interaction activity on 10 March, 2021 by Mr. Krishna Raj Chadaga, student of 2014-2018 batch. Ms. Ramyashree compered the program. Dr. Vasudeva, Dean (Research and Consultancy), Dr.Nagaraj Bhat , HoD of CSE, faculty members of the department and students of department attended the event.

Workshop on "Basics of HTML and CSS"
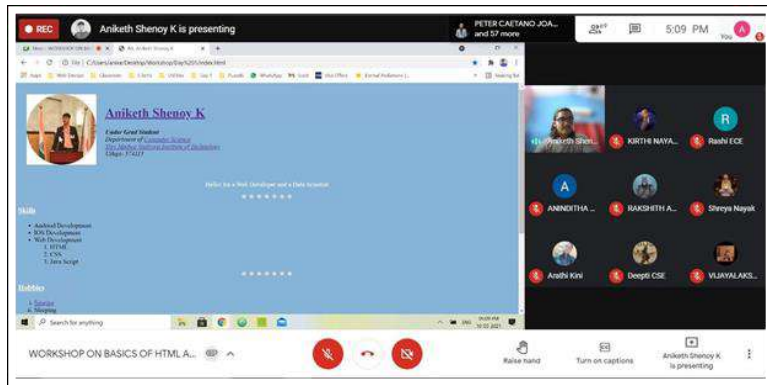
The CodeTroopers club organized an online workshop on 'The Basics of HTML and CSS' on the 10th and 11th of May 2021, for the benefit of the members of CodeTroopers club. This workshop was followed by a 24-hour 'Webathon' competition for the participants. The two day sessions were conducted by Mr. Aniketh Shenoy, second year student of the department... Ms. Kirthi Nayak, Treasurer of the CodeTroopers compered the program.

Value added course on "Object Oriented Programming with C++"
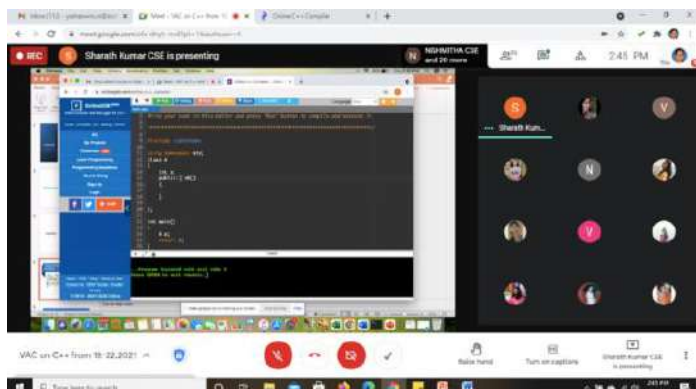
The Department of CSE conducted a Value-added course on "Object Oriented Programming with C++" for the benefit of 4th semester students from 18 to 22 May 2021 through online mode.

The main objective of this value-added course was to give an overview of C++ programming by solving several practical problems. Course Instructor for the training program was Ms. Yashaswini Jogi, Ms. Sahana and Mr. Sharath Kumar, Senior Assistant Professors, CSE Department. Totally 41 participants attended the training program, where they were given the hands-on training with respect to Object Oriented Programming using C++.

"Spitballing" – Can you think and talk quick enough?

The CodeTroopers Club in association with the ISTE Student Chapter organized a communication skilling event – "Spitballing – Can you think and talk quick enough?" on the 24 and 25 of May through online mode. The judges for the competition were Dr. Vasudeva (Dean, Research and Consultancy) and Mr. Deepak Rao M (Assistant Professor, CSE Department). Mr. Raunak Choudhary, President of the CodeTroopers Club and Joint-Secretary of ISTE Student Chapter hosted the event.

Workshop on "Git and GitHub"

A two-day workshop on 'Git and Github' was organized on the 3rd and 4th of May 2021 through online mode, arranged exclusively for the members of CodeTroopers. The workshop was held with an intention to introduce the basics of Git and Github, demonstrate various functionalities of the interface and provide information regarding the student developer pack to the participants. The sessions were delivered by Mr. Ashutosh Kumar, final year student from CSE who is also the IEEE Student Branch chair in SMVITM. Mr. Deepak Nayak, final year CSE student has also handled few other subject matters on day 2. Mr. Raunak Choudhary, President of the CodeTroopers club, compered the program.
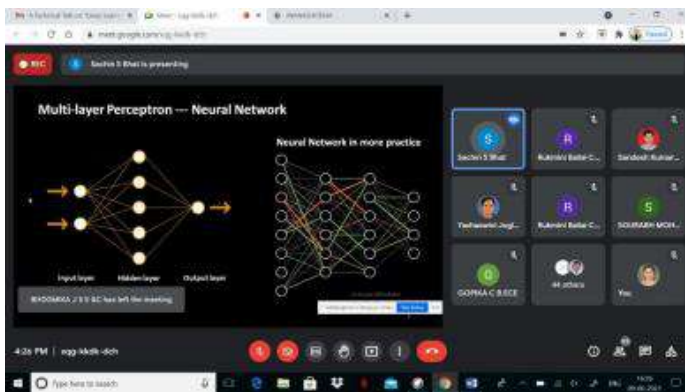
Technical Talk on "Deep Learning for Image Recognition"

The Research review cell organized a technical talk on "Deep Learning for Image Recognition" through virtual mode for the faculty and student community on 9 June 2021 at 4:00 PM. Dr. Sachin Bhat, Associate Professor, Dept. of ECE, SMVITM was the resource person for the talk Ms. Rukmini Bhat B, Assistant Professor, compered the program.

Technical Talk on "A Research perspective on Blockchain Technology"

The department of Computer Science and Engineering in coordination with Research review cell organized a technical talk on " A Research perspective on Blockchain Technology " through virtual mode for the faculty and student community of the, SMVITM, Bantakal on 7th July 2021 at 3:30 PM to 4:45 PM. The resource person of the talk is Mr. Aditya S K, Co-Founder, Tequed Lab, ASQR Technologies. Mr. Aditya started the presentation with the brief evolution of Block-chain technology, went ahead with the research perspective in connections with the block chain.

More than 80 members have attended this webinar. Ms. Rukmini Bhat B, Assistant Professor, compered the program.

National – level Hacathon – "Hackothsava"
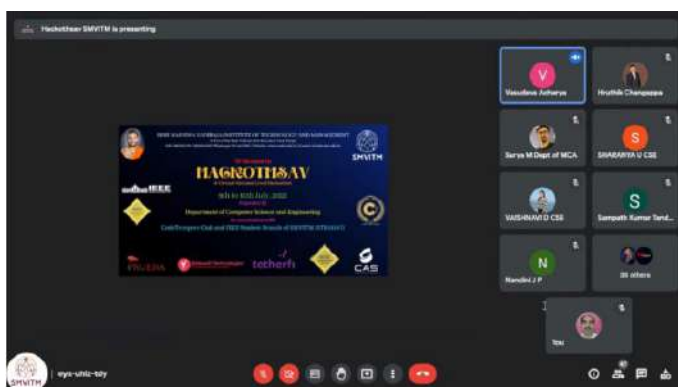
National-level Hackathon - 'Hackothsav' was being jointly organized by the Department of Computer Science and Engineering, IEEE Student Branch and CodeTroopers Club of SMVITM. The event was inaugurated at on 9 July, 2021 by the Chief Guest Dr. Sudheendra Koushik, Innovation Director, Volvo Group. Shri Rathnakumar, Secretary, SSVMET, presided over the function. Prof. Thirumaleshwara Bhat, Principal, SMVITM, was also present. Dr. Vasudeva, IEEE Student Branch Counselor welcomed the

gathering and Ms. Navya proposed the vote of thanks. Ms. Aninditha and Ms. Avanti from the CodeTroopers club hosted the event. The event was sponcerd by Tetherfi Technologies, Robosoft Technologies, Prueba India Software, IEEE Mangalore Subsection and IEEE CAS chapter.

The valedictory ceremony of Hackothsav was presided over by Parama Poojya Shri Vishwa Vallabha Theertha Shreepadaru, President, SSVMET. In his presidential address, Shripadaru explained how enthusiastic people can do wonders. Prof. Thirumaleshwara Bhat, Principal, SMVITM, welcomed the gathering. Mr. Siju V Soman, Faculty Coordinator of CodeTroopers Club, presented the Report of 'Hackothsav'. The Vote of Thanks was proposed by Ms. Kirthi Nayak. Ms. Aninditha and Ms. Avanti were the masters of ceremony of the valedictory event. The Deans, HoDs, faculty and staff members, students, evaluators, sponsors and participants were part of the event which was held in online mode and streamed on YouTube. Representatives from different sponsor companies- Mr. Karthik K from Robosoft Technologies, Mr. Nishchith Shetty from Tetherfi, Dr. Pushparaj Shetty, Chair, IEEE Mangalore Subsection, Mr. Dinesh Karnik from Prueba India Software Pvt. Ltd and Dr. Nagaraj Bhat, Head, Department of Computer Science and Engineering announced the runners and winners of different categories.

Art By: **Ms. Missbah Banu Muneer,** 2nd Year CS   Art By: **Ms. Nireeksha,** 4th Year CS

Student Accomplishments

1. Mr. Faheem Ahmad, Mr. Ashuthosh Kumar, Mr. Ganpat Patel and Mr. Raunak Choudhary won First Place in "6th Industry Institute Conclave on Electronics, Computational and Communication Technologies" held at Sahyadri College of Engineering and Management, Mangalore on June 26, 2021.

2. Ms. Aninditha from III Year won First Place in "TECH TALK" organized by Dept. of ECE in association with ISTE Student Chapter on 3rd August 2021.

Final year student **Ms. Prajnya** received the gold medal for being the topper form the department of CSE on the Eight Graduation day ceremony of the college held on 7 November 2021.	Final year student **Ms. Vaibhavalaxmi** received the best outgoing student (female) on the Eighth Graduation Day ceremony of the college held on 7 November 2021.

Placed Students of 2017-21 batch

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AISHWARYA	Capgemini Technology Services India Limited, Navi Mumbai		
POOJASHREE	Tata Consultancy Services Ltd., Bengaluru		
SHRIKALA	Tata Consultancy Services Ltd., Bengaluru		
SUSHMA	Tata Consultancy Services Ltd., Bengaluru		
GANPAT PATEL	Cognizant Technology Solutions, Bengaluru		
FAHEEM AHMAD	Cognizant Technology Solutions, Bengaluru		
PRAMODA KALKURA	Cognizant Technology Solutions, Bengaluru		
ASHMITHA KALKUR	Mindtree Ltd., Bengaluru		
CHETHANA MOGAVEERA	Mindtree Ltd., Bengaluru		

DEEPITH	**Mindtree Ltd., Bengaluru**		
FAHEEM AHMAD	**Global Edge Software Ltd., Bengaluru**		
ASHMITHA KALKUR	**Accenture Services Pvt Ltd, Bengaluru**		
VAIBHAVA LAXMI	**Accenture Services Pvt Ltd, Bengaluru**		
MAHIMA S RAO	**Accenture Services Pvt Ltd, Bengaluru**		
SALIAN CHAITRA SURESH	**Accenture Services Pvt Ltd, Bengaluru**		
FAHEEM AHMAD	**Virtusa Bengaluru**		
PRAMODA KALKURA	**Codilar Technologies Pvt. Ltd. Bengaluru**		
DEEPAK NAYAK	**ClearFeed - Magentar Labs Pvt. Ltd, Bengaluru**		
DHANARAJ	**Wipro Limited, Bengaluru**		

FAHEEM AHMAD	**Wipro Limited, Bengaluru**		
CHETHAN	**Wipro Limited, Bengaluru**		
JITHESH SHENOY	**Wipro Limited, Bengaluru**		
RAKSHITHA R	**Accord Global Technology Solutions Private Limited, Bengaluru**		
T NAMRATHA PAI	**Talentio Solutions India Private Limited., Hyderabad**		
DHANARAJ	**Deloitte Consulting India Private Limited, Bengaluru**		
AISHWARYA	**Deloitte Consulting India Private Limited, Bengaluru**		
NISHWAN N	**Seventh Sense Talent Solutions., Bengaluru**		
NOOR BANU	**Seventh Sense Talent Solutions., Bengaluru**		
JITHESH SHENOY	**QSpiders Software Testing Center, Bengaluru**		

MAHIMA S RAO	**QSpiders Software Testing Center, Bengaluru**		
SUHAS KASHYAP N	**QSpiders Software Testing Center, Bengaluru**		
ANUSHA SHETTY	**Pentagon Space Pvt Ltd, Bengaluru**		
CHARITHRA KINI T	**Pentagon Space Pvt Ltd, Bengaluru**		
CHETHANA MOGAVEERA	**Pentagon Space Pvt Ltd, Bengaluru**		
DHANARAJ	**Pentagon Space Pvt Ltd, Bengaluru**		
K SHRIVATHSA	**Pentagon Space Pvt Ltd, Bengaluru**		
PAREEKSHITH S	**Pentagon Space Pvt Ltd, Bengaluru**		
PRAMODA KALKURA	**Pentagon Space Pvt Ltd, Bengaluru**		
SALIAN CHAITRA SURESH	**Pentagon Space Pvt Ltd, Bengaluru**		
SUSHMA	**Pentagon Space Pvt Ltd, Bengaluru**		

REEFA	Pentagon Space Pvt Ltd, Bengaluru		
K SHRIVATHSA	Mangalore Infotech Solutions Pvt. Ltd., Mangalore		
CHINTAN SHETTY	PlanetSpark, Gurgaon Haryana		
PRAJNA	PeopleStrong Technologies Private Limited, Bengaluru		
SHRIKALA	Rai Jnan Private Limited Bengaluru		
SANJANA	Ace Micromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru		
ULLAS	3D Usher Inc., Hyderabad		
CHETHAN	Niveus Solutions Pvt. Ltd., Udupi		
BHOOMIKA	Opteamix LLC, Bengaluru		
SUHAS KASHYAP N	Sasken Technologies, Bengaluru		

Academic Toppers Odd Semester

Sl.No.	USN	NAME	SGPA
VII Semester			
I	4MW17CS055	PRAJNA U	9.13
II	4MW17CS004	AISHWARYA KEDLAYA K	8.92
III	4MW17CS093	VAIBHAVA LAXMI	8.83
V Semester			
I	4MW18CS018	BHARGAVRAM UDUPA T	8.92
I	4MW18CS026	FATHIMA NAMIHA	8.92
I	4MW18CS045	NAVYA SHANBHAG	8.92
II	4MW18CS019	BHOOMIKA	8.72
III	4MW18CS011	ANUSHA	8.68
III Semester			
I	4MW19CS041	JELENA RIYA LEWIS	9.16
I	4MW19CS118	VISHWAS PRABHU	9.16
II	4MW19CS003	ADITHYA M SAMAGA	9.00
III	4MW19CS109	VAISHNAVI. D	8.87

Academic Toppers Even Semester

Sl.No.	USN	NAME	SGPA
VIII Semester			
I	4MW17CS055	PRAJNA U	9.65
II	4MW17CS093	VAIBHAVA LAXMI	9.65
III	4MW17CS016	CHARITHRA KINI T	9.45
VI Semester			
I	4MW18CS018	BHARGAVRAM UDUPA T	9.60
II	4MW18CS045	NAVYA SHANBHAG	9.36
III	4MW18CS004	AKANKSHA	9.00
III	4MW18CS006	ANANYA BHAT	9.00
III	4MW18CS007	ANINDITHA	9.00
III	4MW18CS011	ANUSHA	9.00
III	4MW18CS019	BHOOMIKA	9.00
III	4MW18CS020	CHANDANA H R	9.00
III	4MW18CS026	FATHIMA NAMIHA	9.00
III	4MW18CS032	K NIVEDITHA KAMATH	9.00
III	4MW18CS038	KRIPASHREE BHAT	9.00
III	4MW18CS041	MEGHANA ADIGA	9.00
III	4MW18CS049	NISHMITHA SHETTY	9.00
III	4MW18CS053	PRAJNA Y	9.00
III	4MW18CS061	RAYSON LAWRENCE DSOUZA	9.00
III	4MW18CS063	S SINCHANA	9.00
III	4MW18CS078	SHREYA NAYAK. K	9.00
III	4MW18CS094	VARSHA EG	9.00
IV Semester			
I	4MW19CS041	JELENA RIYA LEWIS	9.46
II	4MW19CS095	SRUSHTI H RAO	9.21
III	4MW19CS118	VISHWAS PRABHU	9.13

Faculty Accomplishments

Chief Guest/Resource Person/ Speaker

1. Dr. Raghavendra S, Associate Professor and Ms. Sahana Karanth, Assistant Professor have participated as resource person for the workshop "Mini Project Development using Web Technology" for the benefit of final year BCA students of St Mary's College Shirva from 01 to 02 March 2021.

2. Mr. Venugopal Rao A.S, Assistant Professor has participated as resource person for the workshop "Personality Development and Interview Skills" organized by Indira Shiva Rao Polytechnic, Perampally on 10 March 2021.

3. Mr. Deepak Rao. M, Assistant Professor has coordinated ATL workshop in Govt. High School Udupi on 30 March 2021.

4. Mr. Deepak Rao. M, Assistant Professor and Mr. Venugopal Rao A.S, Assistant Professor have participated as resource person for Career Guidance program at Dandathirtha PU College on 30 March 2021.

5. Ms. Sneha N.S, Assistant Professor has coordinated ATL workshop on Arduino at Madhava Kripa School,Manipal On 31 March 2021.

6. Mr. Deepak Rao. M, Assistant Professor has coordinated ATL workshop at Volakadu School on 01 April 2021.

7. Dr. Vasudeva, Professor and Dean (Research and Consultancy) has participated as Key Note Speaker for Conference Organizer Education Workshop "Managing Online Conferences" organized by IEEE Bangalore Section, IEEE Mangalore and Mysore Subsections on 16 May 2021.

8. Dr. Raghavendra S, Associate Professor gave technical talk on Effective Way for Crafting a Literature Review, Tech-Talk organized by KLEIT, Hubli on 02 June 2021.

9. Dr. Vasudeva, Professor and Dean (Research and Consultancy) gave Invited talk on "Research Project Planning and Funding Opportunities" organized by University Institute of Computing, Chandigarh University, Chandigarh, Punjab on 16 June 2021.

10. Dr. Vasudeva, Professor and Dean (Research and Consultancy) has participated as evaluator for I2CONECCT, Project Competition held at IEEE Mangalore Sub Section at SCEM, Mangalore on 26 June 2021.

11. Dr. Vasudeva, Professor and Dean (Research and Consultancy) was Mentor for ATL Tinkerpreneur Summer Bootcamp from 28 May 2021 to 30 July 2021 organized by Atal Innovation Mission, NITI Ayog, Government of India

12. Dr. Vasudeva, Professor and Dean (Research and Consultancy) gave talk on "Importance of Research and Innovation in Academics" on 08 July 2021 organized by Department of MCA, Nitte Meenakshi Institute of Technology, Bengaluru.

Publication Details

1. 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, IEEE XPLORE, (2021), ISBN: 978-0-7381-1183-4, pg:608-615

2. C. Rama Mohan, A. Ashok Kumar, S. Kiran and Vasudeva, AN ENHANCEMENT PROCESS FOR GRAY-SCALE IMAGES RESULTED FROM IMAGE FUSION USING MULTIRESOLUTION AND LAPLACIAN PYRAMID, ICTACT Journal on Image And Video Processing, (2021), 11(3), 2391-2399

3. Gouda, K.C., Joshi, S. & Nagaraj Bhat, AN OPTIMUM INITIAL MANIFOLD FOR IMPROVED SKILL AND LEAD IN LONG-RANGE FORECASTING OF MONSOON VARIABILITY, Theor Appl Climatol (2021).

4. Hareesh B, Vasudeva, IMAGE SEGMENTATION TECHNIQUES USING K-MEANS CLUSTERING TO IDENTIFY THE LAND USE CHANGE DETECTION, International Journal of Advanced Trends in Computer Science and Engineering, (2021), 10(2), 1200-1206

5. Book chapter in Cognitive Computing Systems Applications and Technological Advancements on the chapter "ARTIFICIAL INTELLIGENCE TECHNIQUE FOR PREDICTING TYPE 2 DIABETES" by Ramyashree, P.S. Venugopala

6. S. Ramesh, Gajanan Anne, Nagaraj Bhat, Ganesh Aithal, H. Shivananda Nayaka, Shashibhushan Arya, SURFACE MODIFICATION OF MULTI-DIRECTIONAL FORGED BIODEGRADABLE MG-ZN ALLOY BY BALL BURNISHING PROCESS: MODELING AND ANALYSIS USING DEEP NEURAL NETWORK, Journal of Manufacturing Processes, Volume 68, Part A, 2021, Pages 423-434, ISSN 1526-6125.

7. Pramoda Kalkura , Puneeth Raj B , Suhas Kashyap N , Surya , Ms. Ramyashree , PEST CONTROL MANAGEMENT SYSTEM USING ORGANIC PESTICIDES, ScienceDirect, Global Transitions Proceedings (2021), DOI: https://doi.org/10.1016/j.gltp.2021.08.058, Volume 2, Issue 2, November 2021, Pages 175-180

8. Anusha Shetty, Charithra Kini T, Deepti Viola Barboza, Ashmitha Kalkur, Siju V Soman, DIABETIC RETINOPATHY DISEASE DETECTION USING MACHINE LEARNING, July 10 2021, Volume 4, Issue 3,1506-1509

9. Shetty Vighnesh Dhanraj, Swathi, Mahima M Wakwadi, Rashmi, Shrinivasa, PREDICTING THE BEST PRICE FOR CROPS AND SPICES USING MACHINE LEARNING, International Journal of Scientific Research and Engineering Development, Volume 4 - Issue 4, July - August 2021, ISSN: 2581 – 7175, Pages: 172-177

10. Anirudha B Shetty , Bhoomika , Deeksha , Jeevan Rebeiro , Ramyashree, FACIAL RECOGNITION USING HAAR CASCADE AND LBP CLASSIFIERS, ScienceDirect, Global Transitions Proceedings (2021), DOI: https://doi.org/10.1016/j.gltp.2021.08.044 Volume 2, Issue 2, November 2021, Pages 330-335

11. Srivatsa Upadhya P, Shashank Nayak, Shreyas G Acharya, Ranjith, Shrinivasa, IDENTIFICATION OF WEEDS IN MAIZE CROP USING CNN, International Journal of Scientific Research and Engineering Development, Volume 4 - Issue 4, July - August 2021, ISSN: 2581 – 7175, Pages: 327-332

Conference Details

1. Deepthi G Pai and Yogeesha Pai have presented a paper titled ANALYSIS OF BEAUFORT CIPHER AND IT'S USAGE IN PROVIDING THE DATA SECURITY IN CLOUD in the International conference on cyber intelligence and information retrieval CIIR 2021 organized by Institute of Engineering & Management Group, Kolkata on20 May 2021.

2. Sahana, Sowmya S and Narendra V have presented a paper titled COMPARATIVE ANALYSIS OF BRAIN TUMOR SEGMENTATION WITH FUZZY C MEANS USING MULTI-CORE CPU AND GPU in the International conference on cyber intelligence and information retrieval CIIR 2021 organized by Institute of Engineering & Management Group, Kolkata on 20 May 2021.

3. C Gagan Babu, Yahya M H I Asadi, Poojary Shubham and Savitha A Shenoy have presented a paper on INNOVATIVE GAME BASED EDUCATIONAL APPLICATION FOR LEARNING in the the 12th international conference on computing, communication and networking technologies held at indian institute of technology, kharagpur during 6 – 8 July 2021.

4. Harshitha G M, Savitha A Shenoy, Aishwarya Kedlaya, Anjana and Aysha Sana have presented research paper titled OCEAN OF MOTION GRAPHICS in the ICETSEM-2021 organized by

Department of Electronics and Communication Engineering, GM Institute of Technology, Davangere held on 15 and 16 July 2021.

5. Ramyashree, Pramoda Kalkura, Puneeth Raj.B, Suhas Kshyap.N, and Surya have presented research paper titled PEST CONTROL MANAGEMENT SYSTEM USING ORGANIC PESTICIDES in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

6. Akhilalkshmi Bhat, Anupama, Mahima S Rao, Akshatha and Deepthi G Pai have presented research paper titled TRAFFIC VIOLATION DETECTION IN INDIA USING GENETIC ALGORITHM in the ICCSA-2021 organized by Acharya Institute of Technology, Bengaluru on 16 July 2021.

7. Ramyashree, Anirudha B. Shetty, Bhoomika, Deeksha and Jeevan Rebeiro have presented research paper titled FACIAL RECOGNITION USING HAAR CASCADE AND LBP in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

8. Anjana, Aishwarya Kedlaya. K, Aysha Sana,B. Apoorva Bhat, Sharath Kumar and Dr. Nagaraj Bhat have presented research paper titled AN EFFICIENT ALGORITHM FOR PREDICTING CROP USING HISTORICAL DATA AND PATTERN MATCHING TECHNIQUE in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

9. Shrihari Kallapur, Mahith Hegde, Adithya D Sanil, Raghavendra Pai and Sneha N S have presented research paper titled IDENTIFICATION OF AROMATIC COCONUTS USING IMAGE PROCESSING AND MACHINE LEARNING TECHNIQUES in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

10. Prajna U, Prajwal B.S, Shrinidhi N, Shree vidya Rao A and Rukmini Bhat B have presented research paper titled AGRIC: A QUALITY FARMING in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

11. Sowmya NH, Vandana Nayak, Pranav Nayak, Sampoorna and Aishwarya have presented research paper titled AGROXPERT- FARMER ASSISTANT in the International Conference on Computing

System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

12. Sowmya S, Sahana Karanth and Sharath Kumar have presented research paper titled PROTECTION OF DATA USING IMAGE WATERMARKING TECHNIQUE in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

13. Pallavi Kamath, Pallavi Patil, Shrilatha S, Sushma and Sowmya S have presented research paper titled CROP YIELD FORECASTING USING DATA MINING in the International Conference on Computing System and its Applications (ICCSA-2021) Organized by the Department of Computer Science and Engineering Acharya Institute of Technology Bengaluru, India on 16 July 2021.

14. Deepak Rao. M has participated and presented paper titled MANGO LEAF DISEASE DETECTION USING ADVANCED MACHINE LEARNING in International Conference on Global Convergence in Technology, Entrepreneurship, Computing and Value Engineering: Principles and Practices organized by Sapthagiri College of Engineering held on 16 July 2021.

15. Shashidhara R., Indushree M. and Sneha N.S. (2022) have presented paper titled Design of a Secure Blockchain Based Privacy Preserving Electronic Voting System in the 6th International Conference held at NMAMIT, Nitte during 25 – 26 September 2021.

Workshop Attended

1. Ms. Sowmya S, Ms. Ramyashree, Ms. Sahana, Ms. Harshitha G M, Ms. Yashaswini Jogi, Mr. Shrinivasa and Mr. Sharath Kumar attended Four Day Online Workshop was organized between 17 March 2021 and 20 March 2021 on the topic of "Natural Language Processing for Beginners" by the Department of Information Science and Engineering, VVCE, Mysuru.

2. Ms. Deepthi G Pai attended a Two-Day workshop on "PING 2.0.2.1 - Devops to Noops- an enterprise viewpoint", organized by MIT Manipal from 26 March 2021 to 27 March 2021.

3. Ms. Deepthi G Pai attended One week online workshop on "artificial intelligence in vision and IoT" organized by Dept. of CSE, MNNIT Allahabad from 16 April 2021 to 20 APril 2021.

4. Ms. Rukmini Bhat B and Ms. Harshitha G M attended "Conference Organizers Workshop" organized by IEEE Bangalore Section in association with IEEE Mysore Subsection and IEEE Mangalore Subsection on 16 May 2021.

5. Ms. Savitha A Shenoy attended AICTE sponsored One Week STTP on "Innovative Approaches in Teaching Pedagogy" from 31 May 2021 to 05 June 2021 at SCEM Mangaluru.

6. Ms. Deepthi G Pai attended Five Days National Level SKill Development Program from 14 June 2021 to 18 June 2021 held at A J Institute of Engineering and Technology Mangaluru.

7. Ms. Deepthi G.Pai has participated in two-day workshop on "Mobile Application Development" organized by Department of Information Science and Engineering, VVCE, Mysuru, on 20-21st Sept, 2021.

Faculty Development Programme Attended

1. Mr. Venugopal Rao A.S has attended 12 days Faculty Development Programme on ENTREPRENEURSHIP AND INNOVATION sponsored by Dayananda Sagar Academy of Technology and Management, Bangalore held from 22 February to 06 March 2021.

2. Ms. Harshitha G M has participated in 14 days online FDP on ENTREPRENEURSHIP (Supported by Department of Science and Technology, Government of India) organized by Manipal Universal Technology Business Incubator and Manipal Institute of Technology during 01 – 13 March 2021.

3. Ms. Sowmya. S and Ms. Ramyashree have attended 3 days Faculty Development Programme on MOBILE APPLICATION DEVELOPMENT organized by Yenapoya Institute of Technology, Moodabidri during 29-31 March 2021.

4. Ms. Harshitha G M has participated 5 days online FDP on the theme INCULCATING UNIVERSAL HUMAN VALUES IN TECHNICAL EDUCATION organized by All India Council for Technical Education (AICTE) during 17-21 May 2021.

5. Ms. Deepthi G Pai has participated 5 days online FDP on Technological Leadership for INCLUSIVE DIGITAL SOCIETY organized by Sikkim manipal institute of technology, Sikkim during 01-05 June 2021.

6. Ms. Ramyashree has participated AICTE Training and Learning (ATAL) Academy Online Elementary FDP on RECENT TRENDS IN SOFTWARE TESTING organized by Vishwakarma Government Engineering College, Chandkheda during 12-16 June 2021.

7. Ms. Harshitha G.M attended five days National Level Virtual Faculty Development Program on Research Perspectives on Data Science and Deep Learning from 12 – 16 July 2021.

8. Ms. SNEHA N S participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Practical insight into key concepts of Blockchain" from 12 – 16 July 2021 at Ramaiah Institute of Technology.

9. Ms. Deepthi G has participated in Three days Faculty Development Program on "Zero Coding:Data Analytics and Machine Learning for IoT Automation" organized by Department of CSE(Artificial Intelligence and Machine Learning), Vidyavardhaka College of Engineering, Mysuru from 22 - 24 July 2021.

10. Ms. Rukmini Bhat B participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Recent Advances and Trends in Lightweight Cryptography for IoT Security and Blockchain Technologies" from 27 – 31 July 2021 at University Institute of Technology, Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal.

11. Ms. Sowmya participated in Five Days Online FDP on "Emerging Trends in Computation" in association with Cisco Systems (India) Private Limited, Bangalore during 2 – 6 August 2021 organized by Department of CSE, ISE and MCA, M S Ramaiah Institute of Technology, Bangalore, India.

12. Ms. Savitha A Shenoy and Ms. Sahana have participated and successfully completed the Five days online FDP on the theme "Inculcating Universal Human Values in Technical Education" organized by All India Council for Technical Education (AICTE) from 2 - 6 August 2021.

13. Mr. Sharath Kumar, Ms. Sowmya S and Ms. Sowmya have participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Research and Innovation for Growth" from 23 – 28 August 2021 at BNM Institute of Technology.

14. Ms. Harshitha G M attended all the sessions of Six days faculty development program on "AI in Real Life". This FDP was organized by the Department of CSE, PESITM Shivamoga in association with the IEEE PESITM Student branch from 30 August 2021 to 03 September 2021, & 07 September 2021.

15. Ms. Ramyashree participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Signal Processing and Machine Learning Techniques: Emerging Trends" from 06 – 09 September 2021 at SANT LONGOWAL INSTITUTE OF ENGINEERING AND TECHNOLOGY.

16. Ms. Sharath Kumar participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "IoT & Cyber Security" from 06 – 09 September 2021 at Institute of Engineering & Management..

17. Ms. Sharath Kumar participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "IoT with Smart City" from 13-17 September 2021 at Government Polytechnic Daman.

18. Ms. Savitha A Shenoy participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on "Internet of Things" from 13-17 September 2021 at J C bose University of Science and Technology YMCA.

19. Ms. Rukmini Bhat B and Ms. Sneha N S have participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Big Data and Analytics" from 20-24 September 2021 at BNM Institute of Technology.

20. Mr. Shrinivasa, Ms. Sahana, Ms. Ramyashree, Ms. Sowmya and Ms. Sowmya S participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Fog and Edge Computing Challenges and Research Directions" from 25-29 September 2021 at National Institute of Technology Sikkim.

Webinar/Seminar Attended

1. Ms. Ramyashree, Ms. Sahana and Ms. Sowmya S attended "Health Awareness Program" at SMVITM on 03 March 2021, as a part of celebration of Janaushadhi week organized by NSS Unit of the institute.

2. Mr. Siju V Soman participated in the online training on "Value of IEEE Publications in Research and Career Development" on 25 March 2021 organized by Kalasalingam Academy of Research and Education.

3. Ms. Rukmini Bhat participated in "The Guinness World Record Event- Most users to take an online computer programming lesson in 24 hours" on 24 - 25 April 2021

4. Ms. Harshitha G M and Ms Rukmini Bhat B. attended a talk on "Careers in Cyber Security" on 15 May 2021, organized by Sahyadri College of Engineering & Management Mangaluru.

5. A webinar on "Basics of Personal Finance" by Shri R K Rao, SMVITM was organized by SMVITM on 27 May 2021. Ms. Ramyashree, Ms. Rukmini Bhat B and Ms. Savitha A Shenoy attended this.

6. A webinar titled "BUSINESS MODEL CANVAS" was jointly organized by the Institution's Innovation Council & Entrepreneurship Development Cell of the institute. Ms, Harshitha G M, Ms. Ramyashree, Ms. Rukmini Bhat B., Ms. Savitha A Shenoy and Mr. Venugopala Rao A.S attended this webinar.

7. On 31 May 2021, a webinar on the topic "Harmful effects of smoking tobacco in any form" was organized by NSS unit and counselling cell of the institute. Ms. Ramyashree, Ms. Rukmini Bhat B., Ms Savitha A Shenoy, Mr. Siju V Soman and Mr. Venugopala Rao A.S attended this.

8. An awareness program on "NATIONAL INNOVATION AND STARTUP POLICY" was organized by Innovation Council & Entrepreneurship Development Cell of the institute on 02 June 2021. Dr. Nagaraj Bhat, Ms. Sahana, Ms. Savitha A Shenoy, Mr. Siju V Soman, Ms. Ramyashree, Ms. Rukmini Bhat B., Ms. harshitha G. M. attended this.

9. Dr. Nagaraj Bhat attended the webinar on "Implementation of NEP - 2020 in Technical institutions, VTU" organized by VTU Belagavi on 02 June 2021.

10. Ms. Rukmini Bhat B. attended the webinar on "How to make Online Teaching effective?" organized by BITES in association with DSU, Bengaluru on 02 June 2021.

11. Ms. Ramyashree attended a webinar on 05 June 2021 organized by The department of Civil Engineering in association with the Eco Club on account of "World Environment Day"

12. Ms. SNeha N S attended a webinar on "R Programming" hosted by Dept. of ISE, C.Abdul Hakeem College of Engineering and Technology on 08 June 2021.

13. On 09 June 2021, a webinar on "Deep Neural Network for Image Recognition" was hosted by the Research Review Cell of the department. Dr. Nagaraj Bhat, Ms. Savitha A Shenoy, Mr. Manjunatha A S, Ms. Ramyashree, Ms. Harshitha G M, Ms. Yashaswini Jogi, Ms. Rukmini Bhat B, Ms. Sahana, Ms. Deepthi G Pai and Mr. Sharath Kumar attended the same.

14. YRC Unit of the institute has organized a webinar on 14 June 2021 on account of World Blood Donor's Day. Ms. Rukmini Bhat B attended the webinar.

15. On 07 July 2021, a webinar on "Research Perspective on Blockchain Technology" organized by the Research Review cell of the Department. Dr. Nagaraj Bhat, Ms. Ramyashree, Mr. Sharath Kumar, Mr. Deepak Rao M, Ms. Deepthi G Pai, Ms. Rukmini Bhat B attended the same.

16. Ms. Deepthi G Pai has participated in One Day Webinar on "Artifact Innovation and Development using Additive Manufacturing and IoT" organized by the Department of Mechatronics, Manipal Institute of Technology, Manipal on 23 July 2021.

17. Ms. Sowmya has participated in the Webinar on "Reimagining IT Education in Atmanirbhar Bharat" Organised by Department of Computer Science and Engineering in association with BiTES, Bengaluru on 13 September 2021.

18. Ms. Ramyashree, Mr. Sharath Kumar, Ms. Sahana, Ms. Harshitha G M and Ms. Savitha A Shenoy have participated in the webinar on the topic of "Protecting the ozone layer and combating

climate change" organized by Department of Chemistry in association with ISTE Faculty chapter of the Institute on 16 September 2021.

MooC Courses

1. 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 17 March 2021.

2. 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 18 March 2021.

3. Ms. Dhanya Shenoy has successfully completed "Blockchain Basics" an online non-credit course authorized by University at Buffalo, The State University of New York and offered through Coursera on 05 June 2021.

4. Ms. Dhanya Shenoy has successfully completed and awarded Elite "Introduction to Machine Learning" online certification course offered through NPTEL on 26 June 2021.

SMVITM

Department of Computer Science and Engineering

Vishwothama Nagar, Bantakal Udupi-574 115 Karnataka, India.
Phone: +91 9611615001 | Email: cs@sode-edu.in
Web site: https://sode-edu.in/departments/computer-science-engineering/

SMVITM

CSE NEWSLETTER

Volume 6 Issue 1
August 2020 – February 2021

CSE NEWSLETTER

Volume 6   Issue 1   August 2020- February 2021

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
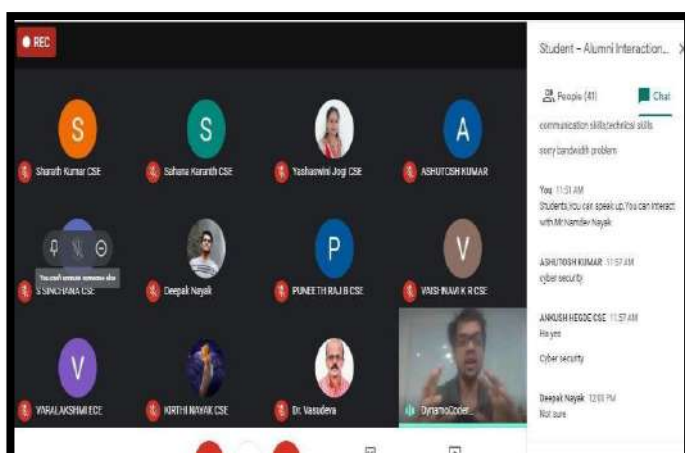
different levels and how to progress in Corporate life and activities. Also he highlighted on the current trends and importance of grabbing the opportunities wherever possible.

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.
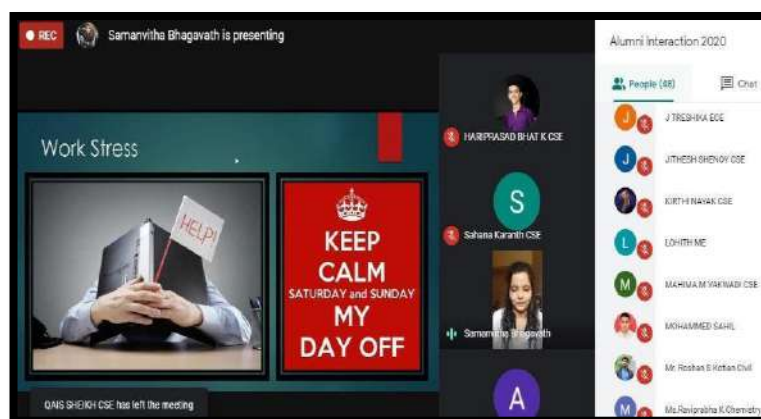
She stressed upon importance of cocurricular/ extra-curricular activities also importance of listening to lectures/training and how it helps while facing interviews. She also provided tips on work – life balance. Ms. Samanvitha highlighted the importance of soft-skills, behaviors and communication skills 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
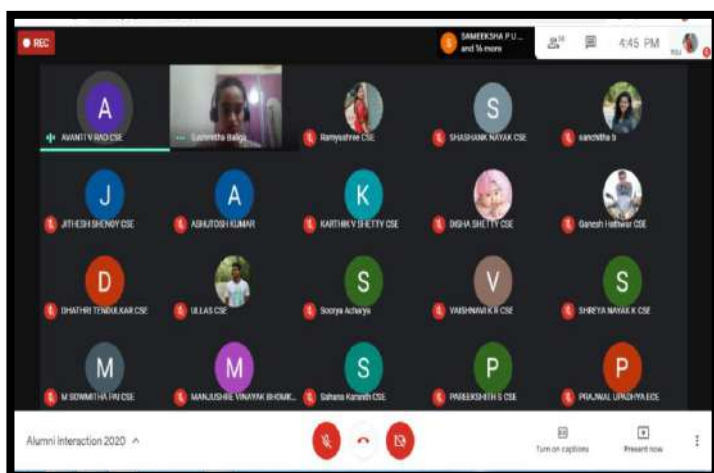
August 2020 through Google Meet. She was a student of batch 2014-2018 Computer Science and Engineering .She is currently working as DFT CAD Engineer, NVIDIA Graphics, Bengaluru. Ms. Sushmitha Baliga shared few tips on pursuing M.Tech and advantages of having Master's Degree. She gave several tips on 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.
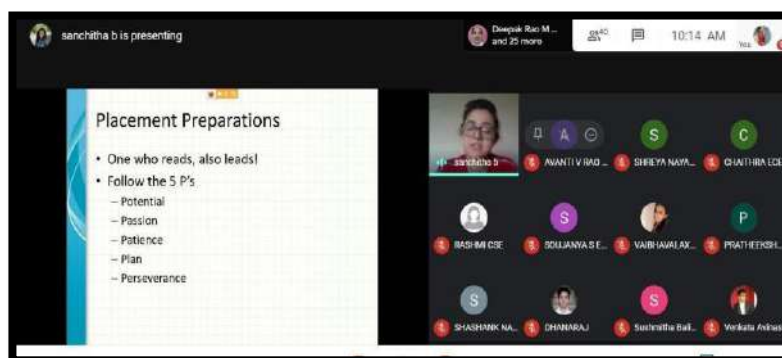
Alumni Talk by Mr. Rahul Tantry B

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.
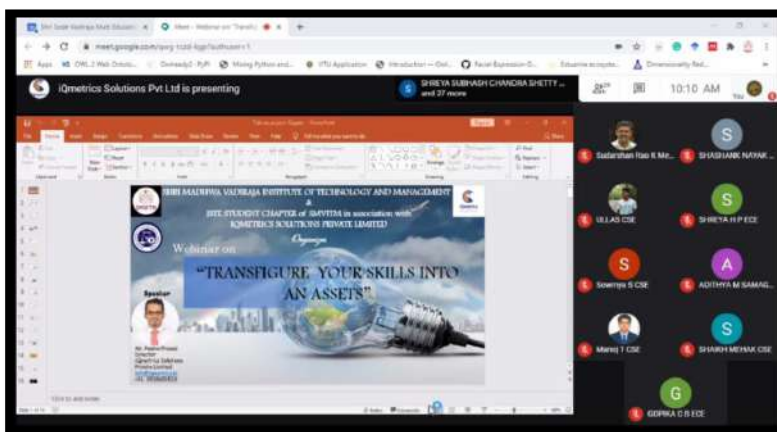
The talk was mainly focused on the need of skill development by students to use it as an asset in the present challenging job market. He also spoke on various avenues available for the students to showcase their innovative ideas and concluded the talk with few inputs on project ideation and core areas 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.
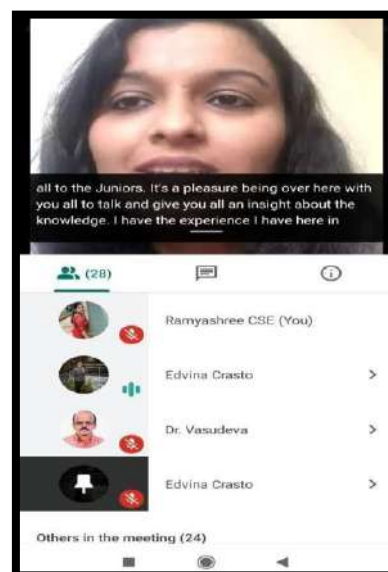
Technical Talk on "Weather Infomatics"

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.
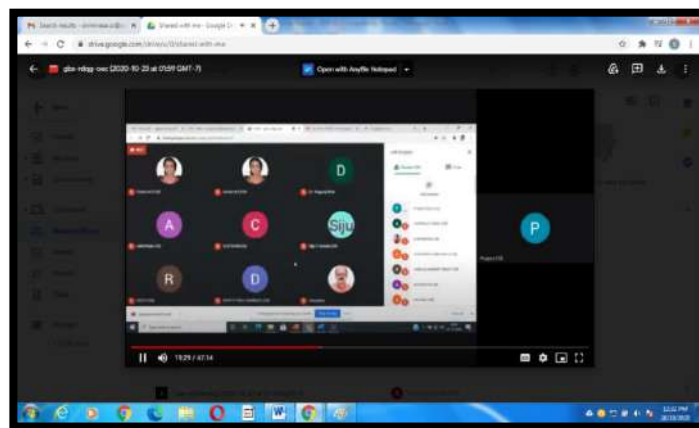
Inauguration of the Virtual lab

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
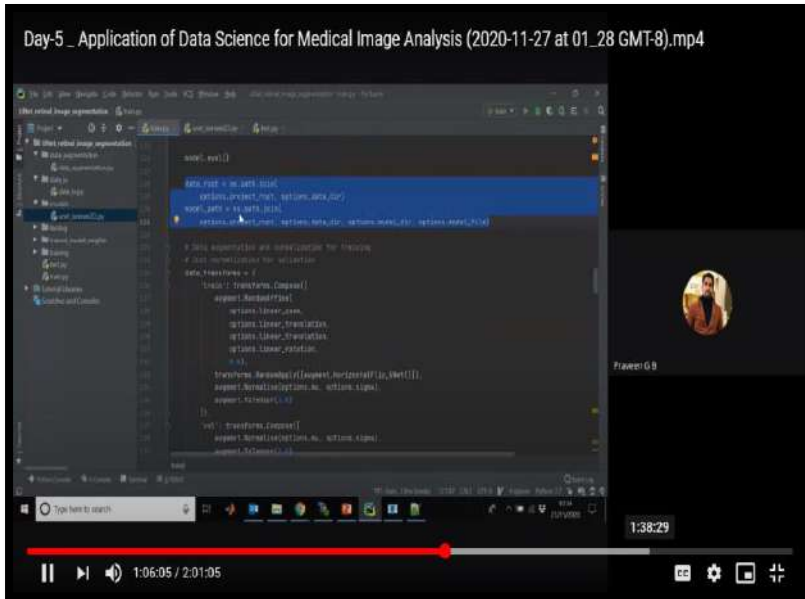
of Data Science Algorithms, day-3, **Dr. Nagaraj Bhat**, spoke about Data Science for Weather Informatics, day-4 **Dr. Sejal Santosh Nimbhorkar**, delivered a session on Computer Vision Applications in Data Science and day-5 **Dr. Praveen GB**, delivered a session on Application of Data Science for Medical 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.
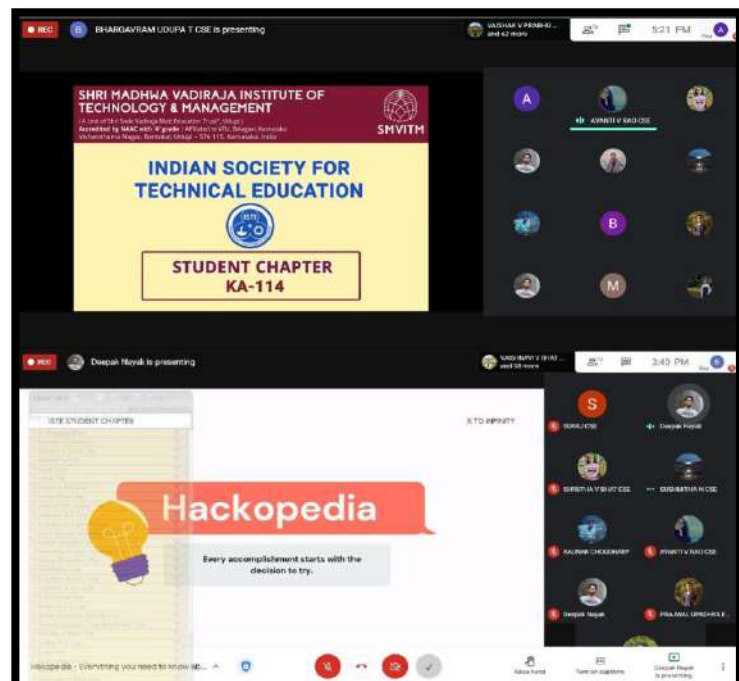
The event helped the participants to have an insight about the concept of Hackathons and they interacted with the speakers enthusiastically. At the end of the webinar the vote of thanks was delivered byMs. Avanthi V Rao from II year CSE. Ms. Shrutha V Bhat from II year CSE was the event moderator. Bhargavram 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"
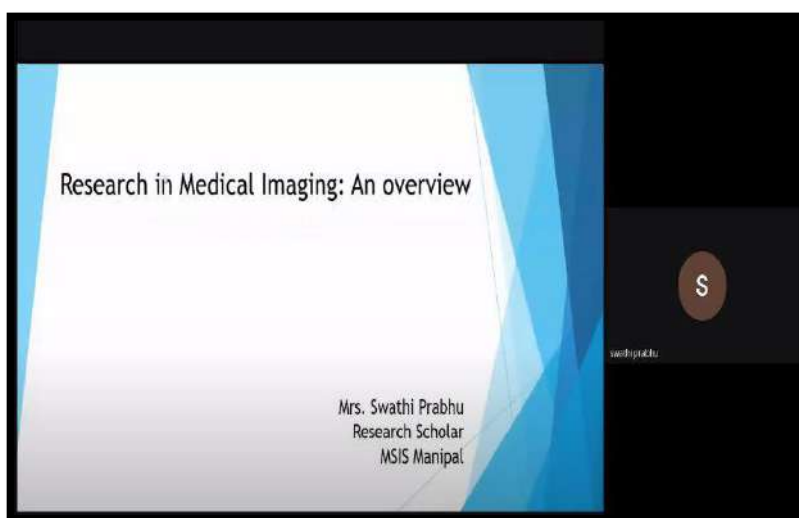
With a view to keep the Research environment active, the Research review Cell of the department has organized a talk on "Research in medical imaging: An overview" for the benefit of faculty members of SMVITM on 03 December 2020. The speaker for this was **Ms. Swathi Prabhu, Research Scholar, MSIS, Manipal.** 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
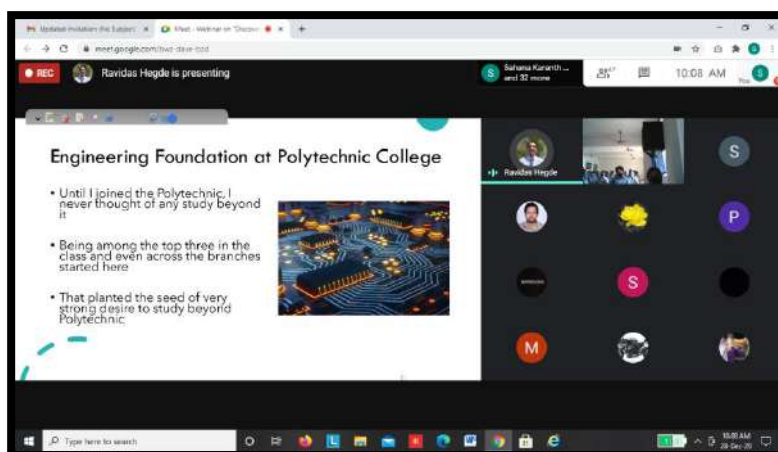
addressed the students on how to identify their potential and build a successful career. He explained his views of how polytechnic college emerged as a foundation for engineering courses. He also emphasized the importance of pursuing higher education after their diploma course. Around 200 students from 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
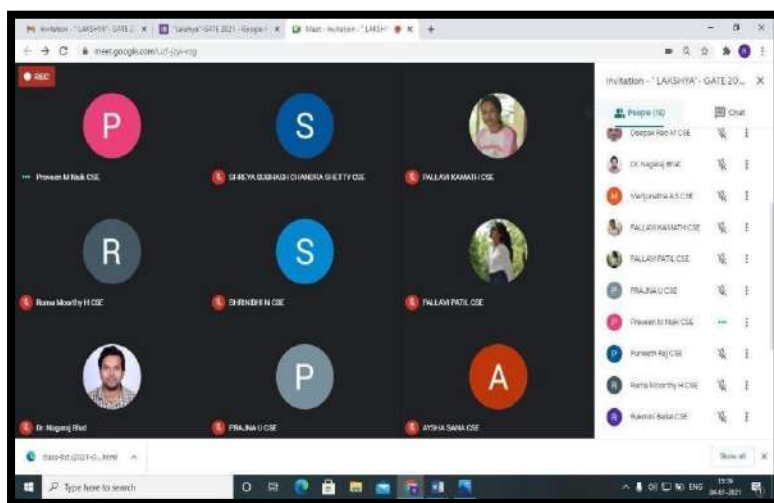
The Technical Committee had organized the training program " LAKSHYA"- GATE 2021, to provide motivation for students to pursue their higher studies. The program was held from 04 January 2021 to 15 January 2021 for the benefit of Pre-Final and Final year students.

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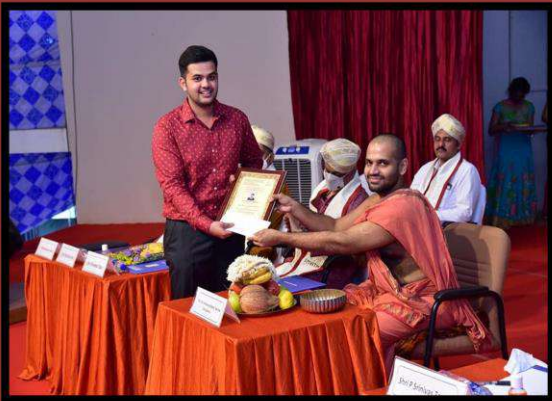
Hayavadana Prashasthi to **Ms. Sinchana Sukumar**, best student award for 2nd year

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		
ABHIDEV V	Infosys Ltd., Bengaluru		
AYSHA SANA	Infosys Ltd., Bengaluru		
KIRTHI NAYAK	Infosys Ltd., Bengaluru		
POOJARY SHUBHAM SUNDAR	Infosys Ltd., Bengaluru		

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

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		Chegg®
PRAJNA	Chegg India Pvt. Ltd., New Delhi		Chegg®
GANESHA K S	Juego Studio Pvt. Ltd., Bengaluru		JUEGO Studios
B APOORVA BHAT	DeskNine Pvt Ltd., Bengaluru		LegalDesk.com Do-It-Yourself Legal
BHOOMIKA	DeskNine Pvt Ltd., Bengaluru		LegalDesk.com Do-It-Yourself Legal
PUNEETHRAJ B.	DeskNine Pvt Ltd., Bengaluru		LegalDesk.com Do-It-Yourself Legal
PRANAV R NAYAK N	Juego Studio Pvt. Ltd., Bengaluru		JUEGO Studios
HANSEN CLYDE LOBO	NTT DATA Global Delivery Services Limited, Bengaluru		NTT DATA Trusted Global Innovator
SURYA	NTT DATA Global Delivery Services Limited, Bengaluru		NTT DATA Trusted Global Innovator

AISHWARYA KEDLAYA K	NTT DATA Global Delivery Services Limited, Bengaluru		NTT DaTa Trusted Global Innovator
AKIHLALAKSHMI T BHAT	NTT DATA Global Delivery Services Limited, Bengaluru		NTT DaTa Trusted Global Innovator
ANUPAMA	NTT DATA Global Delivery Services Limited, Bengaluru		NTT DaTa Trusted Global Innovator
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

Shri Madhwa Vadiraja Institute of Technology and Management

Vishwothama Nagar, Bantakal Udupi-574 115 Karnataka, India.

Phone: +91 9611615001

Email: cs@sode-edu.in

Web site: https://sode-edu.in/departments/computer-science-engineering/

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

CSE NEWSLETTER

SMVITM

Department of Computer Science and Engineering

Newsletter 2019-20, Volume 5 Issue 2

VISION

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

MISSION

To educate the Computer Science Engineering aspirants with basic and advanced technologies, who can make a difference in competitive environments, continuously improve their technological skills, communicate effectively and be faithful to ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES

The graduates of Computer Science and Engineering should have -

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

LOOK INSIDE

⇒ Smart India Hackathon-2020 Internal
⇒ Workshop on "Android Application Development"
⇒ Add-On course on "C++ & OpenMP Programming"
⇒ Faculty members of CSE department invited as resource persons at Shri Vyasa Maharshi Vidyapeeta, Mulky
⇒ Awareness talk on "Use of Turnitin-an anti-plagiarism software"
⇒ Talk on Digital Marketing and its opportunities at SMVITM Bantakal
⇒ MOU signed between SMVITM, Bantakal and St. Mary's College, Shirva
⇒ Webinar on Avenues in E-learning post COVID Scenario
⇒ Virtual International Conference on Emerging Trends in Science and Engineering Inaugurated at SMVITM, Bantakal
⇒ Webinar on Ultimate Secrets of Linkedin
⇒ Alumni Talk by Ms. Usha H.
⇒ Student Accomplishments
⇒ Staff Accomplishments
⇒ Placed Students of CSE

Department Activities

Smart India Hackathon-2020 Internal

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Institution's Innovation Council organized competition "Smart India Hackathon-2020"- Internal on 16 January 2020 and 06 February, 2020. Dr. Vasudeva, Dean- Research and Mr. Arun Upadhyaya, Convener, IIC-SMVITM was the coordinators of the program. Totally seven teams participated in the competition.

1. Smart Communication
2. IOT based Smart Bottle for Healthcare
3. Leveraging blockchain technology for creation of electronic health record
4. Portal for farmers to sell their product at a better rate
5. Alumni Tracking System
6. Development of platform for dialing single emergency number SDC
7. Medical Chat Bot.

Mr. Arun Upadhyaya, Convener, IIC-SMVITM and Mr. Venugopal Rao A S, Asst. Professor (Sr.) and Dr. Adesh, Associate Professor, in the department of Computer Science were the judges of the event.

Workshop on "Android Application Development"

IEEE Student chapter, SMVITM organised 3 days' workshop on 'Android Application Development' in R.N. Shetty Rural Polytechnic, Murdeshwar from 06 to 08 February, 2020 for the benefit of diploma students. 30 2nd and 3rd year diploma students of CS and EC branches participated in this hands-on workshop. Dr. Nagaraj Bhat, Dept. of CSE and Dr. Sachin Bhat, Dept. of ECE were the coordinators of this workshop. Mr. Deepak Nayak and team from 3rd year CSE, SMVITM were the resource persons.

Add- On Course on "C++ & OpenMP Programming"

The Department of CSE, SMVITM Bantakal conducted an Add-On course on "C++ & OpenMP Programming" for the 4th semester students from 11 to 13 February 2020 in Central Computer Center. Course Instructor was Ms. Yashaswini Jogi, Ms. Priyanka, Ms. Sahana and

Mr. Sharath Kumar, Assistant Professor from the CSE Department.

Totally 34 participants attended this program, where they were given the hands-on training with respect to Object Oriented Programming using C++ and OpenMP parallel programming.

Faculty members of CSE department invited as resource persons at Shri Vyasa Maharshi Vidyapeeta, Mulky

Dr. Vasudeva and Mr. Rama Moorthy H, faculty members of the CSE department were invited as the resource persons for the Science Workshop conducted by Women and Child Development Ministry, D.K. under the flagship program "BalaBhavana" held between 27 and 28 February, 2020. They addressed the high school students of Mulky region on the topics IoT and Artificial Intelligence. The students of SMVITM Bantakal conducted the hands-on sessions on IoT.

Dr. Vasudeva, Mr. Avinash N J and Ms. Rushali Naik were selected as Mentor of Change for Atal Tinkering Labs by Atal Innovation Mission and NITI Aayog, Government of India.

Awareness talk on "Use of Turnit in-an anti-plagiarism software"

Central Library, Internal Quality Assurance Cell (IQAC) and Research & Consultancy cell of SMVITM, jointly organized an awareness talk on "Use of Turnitin-an Anti-plagiarism Software" on 05 March 2020 for the benefit of Research Scholars, Faculty members and Final year students. Dr.Vasudeva, Dean, Research and Consultancy of SMVITM was the resource person.

Dr. Vasudeva started his session by briefing about the plagiarism, various types of plagiarism and different levels of plagiarism. Then he continued his session with Plagiarism checker software by *Turnitin* to check for plagiarism and grammar mistakes. Turnitin is

an originality checking and plagiarism prevention service that checks the writing for citation mistakes or inappropriate copying. Upon submission of paper, Turnitin compares it to text in its massive database of student work, websites, books, articles, etc. **_Turnitin_** solutions promote academic integrity, streamline grading and feedback, determine plagiarism, and improve student outcomes.

Talk on Digital Marketing and its opportunities

Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with ISTE Student Chapter organized an Invited Talk on "Digital Marketing and its Opportunities" on 05 March 2020 at the college seminar hall.

Mr. Mayur Hatwar, Founder Gyanada Training Institute, Hubballi was the resource person. He started his talk with an overview of the Digital Marketing. Later he focused on different job roles like content writing, social media marketing, Search Engine marketing etc. He also spoke on the current need of skilled people in the field of digital marketing and the job opportunities available. Finally he gave the students more information on the training they have to undergo to be a successful digital marketing specialist.

Ms. Kirthi Nayak, student of sixth semester CSE welcomed the gathering and introduced the Speaker to the audience; Mr. Deepak Rao M,

ISTE coordinator felicitated the speaker with a memento; faculty members and students of different Branch of Engineering attended the talk.

MOU signed between SMVITM, Bantakal and St. Mary's College, Shirva

A Memorandum of Understanding was signed between SMVITM, Bantakal and St. Mary's College, Shirva on 12 June, 2020 as part of the Educational Social Responsibility of the institute. Under this, the experts from SMVITM, will conduct value added courses for BCA students of SMC, Shirva in the current trends and technologies. The MOU was signed by Dr. Thirumaleshwara Bhat, Principal, SMVITM and Dr. Herald Ivan Monis, Principal, St. Marys College, Shirva on behalf of the institutes.

Webinar on Avenues in E-learning post COVID Scenario

On 12 June 2020 Department of Computer Science and Engineering of Shri Madhwa Vadiraja Institute of Technology and Management organized a webinar on "Avenues in E-learning post COVID Scenario". Mr. Manoj T, Assistant Professor of the department conducted the webinar. He gave clear insights

on effective use of various E-learning resources available for the faculty and students.

Mr. Deepak Rao M. coordinated the event. Over hundred participants form various Engineering Colleges and industries across the globe attended and benefited from this webinar.

Finally, Dr. Vasudeva showed one demo on how to upload paper in the Turnitin software for grading and generation of report.

Library Coordinator, Mr.Nagaraja Rao welcomed the gathering. Librarian, Mr. Deepak S proposed vote of thanks. Research scholars, Faculty members and final year students of all branches were present and got benefited.

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), organized at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal 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 conference which is very much relevant in the fast growing science and technology. Lot of research work is happening around the world. He appreciated the students of our college who are actively involved in the project works in the areas of IoT and Cloud Technology. Especially 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 has given 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 vote of thanks. Ms. Sneha D'Souza compered the program. 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 maintaining the social distance and as per the guidelines issued by the Government related to COVID-19.

Webinar on Ultimate Secrets of Linkedin
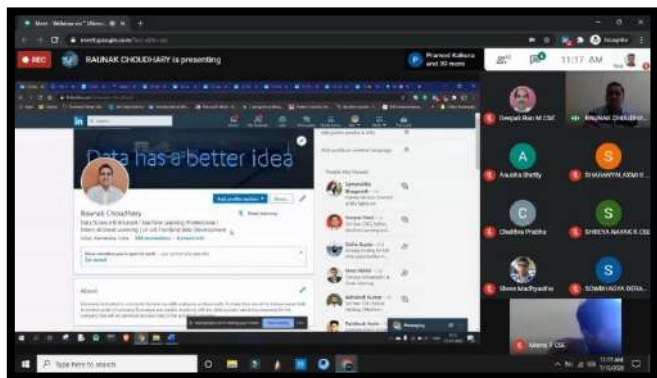
Department of Computer Science and Engineering in association with ISTE Student Chapter of SMVITM, Bantakal organized a webinar on "Ultimate Secrets of Linkedin" through Google Meet.

The event was held on Monday 13 July 2020 between 11:00 AM to 12:30 PM.

VI Semester Computer Science Students Mr. Raunak Chaudhary and Ganpat Patel were the speakers for the event. Faculty members of the department and students from our college, as well as other engineering colleges, participated in the event.

Alumni Talk by Ms. Usha H.
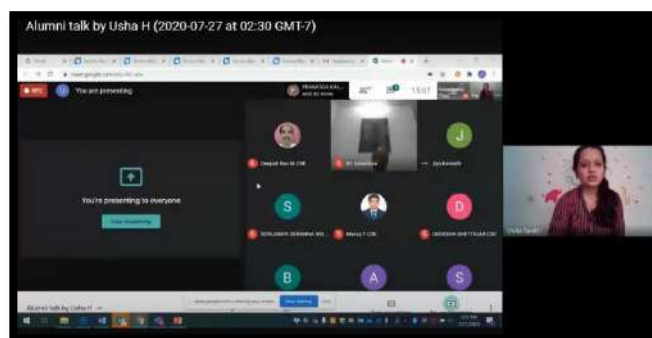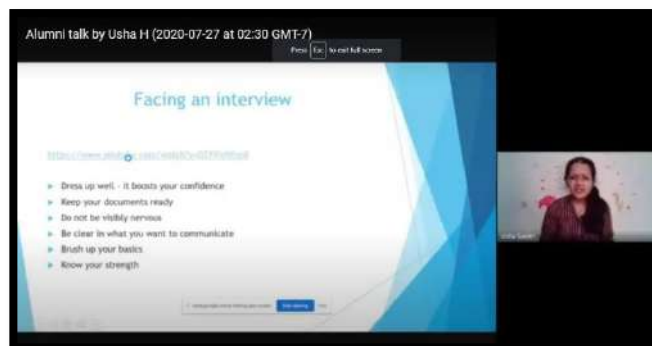
The Alumni Cell of the Shri Madhwa Vadiraja Institute of Technology and Management in association with ISTE Student Chapter has organized an interactive session between the students of the college and the best outgoing student of the year 2016 Ms. Usha H. on 27 July 2020 at 2.30 PM through Google Meet.

She was a student of batch 2012-16 Computer Science and Engineering and she was placed in HP Ltd., Bengaluru She is currently working as a technology consultant at Micro Focus Pvt. Ltd. Bengaluru.

Ms. Usha shared her experience of being a student at SMVITM, her preparation for campus placements, her corporate experience, and how she is able to balance family and work effectively.

She gave several tips on facing the interview, the importance of Extracurricular and co-

curricular activities in developing one personality. She also spoke about the current job opportunities in post COVID situation. She advised the students to develop good skill set and to be flexible and be adaptive to face the challenges at the work place.

Ms. Jyothi Jaywant Kamath hosted the event. HoD of CSE Dr. Vasudeva, faculty members of the department, and a large number of students of SMVITM attended the event.

Student Accomplishments

4th District Rotaract Cultural Program 2019-20

Following CSE students have participated and won the overall championship in 4th District Rotaract Cultural Programme 2019-20 hosted by Rotaract Club Subhashnagara, Rotaract Club SMVITM, Bantakal (Sponsered by Rotary Shankarpura) on 19 January 2020 held at SMVITM, Bantakal:

- Ms. Shreya Bhat – Group Singing – 1st Place
- Ms. Shreya Ravindra, Ms. Ananya Bhat, Ms. Prajna – Group Dance – 2nd Place
- Ms. Sneha, Ms. Meghana R, Ms. Jyothi Jaywanth Karnath, , Ms. Sharadhi Shetty, Ms. Niharika Balthilaya, Ms. Kirthi Nayak – Skit – 2nd Place

Hackverse – 2020

Mr. Shubham Poojary, Mr. Gagan Babu and Mr. Yahya Asadi, students of Computer Science and Engineering Department have been selected as one among top ten teams in "Hackverse", a National Level Hackathon, held at NITK Surathkal on 25th and 26th January, 2020.

Incridea - 2020

The student team of Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal has won the Runners up Trophy for the state level intercollegiate Techno-cultural fest "Incridea" held at NMAM Institute of Technology, Nitte from 14th to 18th February 2020 with First place in Fashion Show, Bajane, Hackthon, Bob-The-builder, PUB G, Khaamosh and Second place in Hackridea, Robo Soccer, PES events.

Details of winners of CSE students:

- Ms. Shreya Bhat, Mr. Shrikara Acharya, Mr. Trivikram Bhat – Bhajan – 1st Place
- Mr. Harsha, Mr. Chethan, Mr. Ganesha KS – "Bob – the – Builder"- 1st Place
- Ms. Jyothi J Kamath, Ms. Meghana R – Khaamosh – 1st Place
- Mr. Shubham Poojary of VI CSE– Fashion Show – 1st Place

- Mr. Deepak Nayak, Mr. K Shrivathsa, Mr. Deepith, Mr. Chethan Poojary – Hackridia – 2nd Place
- Mr. Suraj, Mr. Tejas Rao, Mr. Hithyesh, Mr.Princeton Lewis – Robo Soccer – 2nd Place
- Mr. Ranjith B – PES – 2nd Place

State Level ISTE Award

Ms. Jyothi Jaywanth Kamath of final year Computer Science and Engineering student has been awarded with prestigious Karnataka State Level Best Student of the Chapter Award for her overall performance and active involvement in organizing events under the ISTE Student chapter of the college for the year 2018-19. The award was handed over to her during the inaugural ceremony of 16th Karnataka State Level ISTE Student Convention held on Saturday 22nd February 2020 at K. S. Institute of Technology, Bengaluru. This is second time the student of the department is receiving this award.

Aakriti 2020

The following CSE students have participated in various events and won prizes in "Aakriti 2020", an intercollegiate Techno- Cultural Fest organized by Canara Engineering College, Benjanapadavu during 27th to 29th February 2020:

- Mr. Steve Martis, Gagan Babu, Mr. Tejas S Rao – Best Reel (Short Film) – 1st Place
- Mr. Steve Martis – Best Sound Effects – 1st Place

Savishkar 2020

The following CSE students have participated in various events and won prizes in "Savishkar 2020", an intercollegiate Techno- Cultural Fest organized by Moodlakatte Institute of Technology, Kundapura on 4th & 5th March 2020:

- Mr. Steve Martis, Mr. Tejas S Rao – Short Film making – 1st Place

Envision 2020

The following CSE students have participated in various events and won prizes in "Envision 2020", a National level Techno- Cultural Fest organized by Srinivas Institute of Technology, Mangaluru on during 4th & 5th March 2020:

- Mr. Vaishak V Prabhu – Tittuka (Photography) - 1st place

SMVITM students gets VTU grant to design and develop a Mobile App

The team of students of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal receives a financial grant from Visvesvaraya Technological University, Belagavi under TEQIP scheme.

The team lead by Mr. Suraj of second year had sent a proposal to design and build a Mobile App Covid-19 in response to a call from VTU to come up with technological tools to fight against Novel Corona Virus Covid-19. The app includes features like Covid-19 updates of India, Myths and facts about Covid-19, details about Covid-19 infection, self-health check-up using questionnaire, Covid-19 helpline details etc. The management, Principal, Faculty and Staff members have congratulated and appreciated the students for spending the lockdown period effectively and creatively.

Team members: Suraj, Deepak Nayak, Saurabh Shetty, Ullas, Abhijith, Hithyesh Achar, Princeton Lewis.

Smart India Hackathon 2020

Two student teams from the department of CSE participated in the Grand Finale of Smart India Hackathon - 2020 organized by the Ministry of Human Resource Development,Government of India in association with AICTE which was held from 01 to 03 August,2020. Team "Nexus2020" led by Ms. Akhilalakshmi Bhat T (Ms. Anupama, Mr. K. Shrivathsa, Mr. Chetan, Mr. Deepith, and

Mr. Mohammad Sahil) and the team "Py" lead by Mr.Chintan Shetty (Mr. Harikrishna R, Ms. Anjana Bhat, Ms. Aysha Sana, Mr. Hansen Clyde Lobo, Mr. Harsha) participated in this 36 hour Hackathon. Honourable Prime Minister of India Shri. Narendra Modi addressed and interacted with the participants on the evening of 01 August, 2020.

Academic Toppers

8th semester
1. Sunil S Shetty – 9.45
2. Vaishali – 9.40
3. Shreyas Prabhu – 9.40
4. 4 Students Scored 9.25 SGPA

6th Semester
1. Pramoda Kalkura - 9.58
2. Sushma - 9.31
3. 22 Students Scored 9.00 SGPA

4th semester
1. Santhosh G Patkar - 9.88
2. Bhargavram Udupa T - 9.75
3. Navya Shanbhag - 9.67

Staff Accomplishments

Best ISTE Faculty Chapter Award

ISTE Faculty chapter of SMVITM has been awarded with Prestigious Karnataka State Level Best ISTE Faculty Chapter Award for the year 2018-19. The award was handed over to the Institution at 15th Karnataka State Level ISTE Student Convention held on Saturday 22nd February 2020 at K. S. Institute of Technology, Bengaluru.

Mr. Nagaraj Bhat awarded with Ph.D

Mr. Nagaraj Bhat, Associate Professor in Computer Science & Engineering was awarded Ph.D. degree for his research thesis titled "Weather Informatics Using Remote Sensing and Geographic Information System in High Performance Computing Environment" submitted under the guidance of Dr. K C Gouda,

Scientist, CSIR-4PI, Bengaluru by Visvesvaraya Technological University, Belagavi.

Achievements:

1. Received Fellowship to pursue Post-Doctoral Research from Alabama State University, USA.
2. Conference chair in ICETSE 2020.
3. Reviewer/Member in ICETSE 2020, DISCOVER 2020.
4. Received Travel grant to participate in TERI-NORCE Research School.

Papers published during February - July 2020

Mr. Rama Moorthy H

1. Shrikara, Trivikrama Bhat, Vinaya, Rama Moorthy H**, "**5G Cellular Network in Cyber Physical System: An Overview", Scopus publication in- International Conference on Emerging Trends in Science and Engineering (ICETSE-2020).
2. Shreya, Shreya Bhat, Shreekari, Rama Moorthy H, "Image Steganography using Sudoku: A Combined Approach.", Scopus publication in- International Conference on Emerging Trends in Science and Engineering (ICETSE-2020).
3. Rieona Fernandes, Rencita M Colaco, Sharadhi Shetty, Rama Moorthy H, "A New Era of Digital Forensics in the form of Cloud Forensics: A Review", IEEE-International Conference on Inventive Research in Computing Applications (ICIRCA 2020).

Ms. Ramyashree

1. J. Shetty, S. Pallavi and Ramyashree, "Predicting the Survival Rate of Titanic Disaster Using Machine Learning

Approaches," 2018 4th International Conference for Convergence in Technology (I2CT), Mangalore, India, 2018, pp. 1-5, doi: 10.1109/I2CT42659.2018.9058280.

2. R. Ramyashree and P. S. Venugopala, "Proposal for Enhancing Face Detection in Group Photos," 2018 4th International Conference on Applied and Theoretical Computing and Communication Technology (iCATccT), Mangalore, India, 2018, pp. 113-118, doi: 10.1109/iCATccT44854.2018.9001937.

FDP/Conferences attended / presented papers Feb-July 2020

Dr. Nagaraj Bhat

1. Presented a paper entitled "Satellite Image classification to detect LULC using Deep learning Approach" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) on 10th and 11th July 2020.

2. Presented a paper entitled "Forest Tree Smuggling Detection Using ML: A review" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

3. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

Mr. Venugopala Rao A S

1. Application of Matlab in Image processing at SJEC Managaluru from 10 to 14 February 2020.

2. Five day Faculty development program- "Empowering Teaching skills" held at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal from 27 to 31 January 2020.

3. A Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" hosted by DSU Bengaluru in online mode from 10 to 14 June 2020.

4. A Four day FDP on Networks and Security hosted by NMAMIT Nitte from 26 to 29 June 2020.

5. A Two day FDP on AI in Health Care hosted by R C Patil Institute of Technology Shirpur from 10 to 11 June 2020.

6. Presented a paper entitled "DIP TECHNIQUES TO DETECT SKIN CANCER" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Mr. Shrinivasa

1. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

2. Participated in Four-Day Online FDP on "Applied Machine Learning Using

Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte.

3. Presented a paper entitled "Helmet Detection using Image Processing" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

4. Presented a paper entitled "Prediction of Chronic Kidney Disease using Machine Learning" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Ms. Yashaswini Jogi

1. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

2. Participated in a five days FDP on "Machine Learning Using Python" by School of Computing and Information Technology in association with ATS Learning Solutions from 25 to 29 May 2020.

3. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE from 10to 14 Jun 2020.

4. Presented a paper entitled "Synchronal recognition of Weeds in Farm crops" in the International Conference on Nanotechnology and Smart Materials, Design Artificial Intelligence, Manufacturing and Engineering - (ICNSMDAIME-20) on 4th July 2020.

5. Presented a paper entitled "A Survey on Human Activity Recognition" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Ms.Priyanka

1. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

2. Participated in a five days FDP on "Machine Learning Using Python" by School of Computing and Information Technology in association with ATS Learning Solutions from 25 to 29 May 2020.

3. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE from 10 to 14 Jun 2020.

4. Presented a paper entitled "An Integrated User Interface as Farmer's Assistant System" in the International

Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

5. Presented a paper entitled "Mobile Data Protection" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Ms. Sahana

1. Attended National Level FDP on "Decoding Examination During and Post Covid 19 organized by SKILLSLATE and powered by Zovy Studio, Pune on 08 May 2020

2. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

3. Participated in a five days FDP on "Machine Learning Using Python" by School of Computing and Information Technology in association with ATS Learning Solutions from 25 to 29 May 2020.

4. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE from 10 to 14 Jun 2020.

5. Presented a paper entitled "Brain Tumor Segmentation with parallel implementation of Fuzzy C-Means using

Multi core CPU" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Mr. Deepak Rao M

1. Participated and completed successfully Online Faculty Development Programme on "Networks and Security" from 26 to 29 May 2020 at NMAM Institute of Technology, Nitte.

2. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte.

3. Presented a paper entitled "Crop Disease Prediction Using Machine Learning" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

4. Participated and successfully completed 60 Contact Hours Faculty Development Program on Data Science held From 1 to 30 June 2020 organized by Andhra Pradesh State Skill Development Corporation (APSSDC).

5. Participated in the Four days hands-on Workshop on LATEX organized by ISTE Faculty Chapter of SMVITM, Bantakal from 01 to 06 July 2020.

6. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs from 28 to 22 May 2020 during COVID-19 nationwide lockdown.

Mr. Sharath Kumar

1. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

2. Participated in a five days FDP on "Machine Learning Using Python" by School of Computing and Information Technology in association with ATS Learning Solutions from 25 to 29 May 2020.

3. Presented a paper entitled "An Efficient Approach for Detection of Lung Cancer through Image Processing" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

Ms. Ramya D Shetty

1. Participated in a Five Day faculty development program on "Empowering Teaching Skills" organized by SMVITM from 27 to 31 Jan 2020.

2. National Level FDP on "Decoding Examination During and Post Covid 19 organized by SKILLSLATE and powered by Zovy Studio, Pune on 08 May 2020.

3. Participated in a One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision

Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

4. Participated in a five days FDP on "Machine Learning Using Python" by School of Computing and Information Technology in association with ATS Learning Solutions from 25 to 29 May 2020.

5. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE from 10 to 14 Jun 2020.

Ms. Sneha N S

1. One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd,Hyderabad from 22 to 26 May 2020.

2. Participated in one day online workshop on "Scientific Writings for journals" organized by SpringerNature on 15th May 2020

3. Participated in IEEE Bangalore Section Researchers Forum Online Workshop On "IEEE REFERENCE MANAGEMENT TOOL FOR RESEARCH ARTICLES AND THESIS WRITING" held on 20th May, 2020.

4. Participated in five days international online FDP on "Emerging Trends in Computer Science and Engineering" organised by Dayanand Sagar University- School of Engineering, Bangalore held from 10 to 14 June 2020.

5. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte.

Ms.Ramyashree:

1. Faculty Development Program on Internet of Things (IoT) conducted by Dr. H S Jamadagni, Professor, IISc, Bangalore on 27th May 2020 organized by NMAM Institute of technology, NITTE, under the aegis of BITES, Bengaluru.

2. One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad..

3. Participated and completed successfully Online Faculty Development Programme on "Networks and Security" from 26 to 29 May 2020 at NMAM Institute of Technology, Nitte

4. Participated in Two days Faculty Development Programme on "Artificial Intelligence in Healthcare" conducted by Dr. Anand Nayyar by Department of electronics and Telecommunication, R.C.Patel institute of technology, Shirpur between 10th and 11th June 2020.

5. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE.

6. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte

7. Participated in a Five Day Online National level Workshop on Advanced Excel as a Tool for Teaching and Administration organized by the Internal Quality Assurance Cell (I.Q.A.C.) and the Department of B.Sc. (Information Technology), Tolani College of Commerce and the Internal Quality Assurance Cell (I.Q.A.C.) and the Department of Commerce, Fr. Agnel College of Arts & Commerce, Pilar, Goa in collaboration with NIIT Ltd., from 15 to 19 June 2020.

8. Four Days Online FDP on "Image Processing and Data Science" from 26 to 29 June 2020 by Department of Computer Science & Engineering, Canara Engineering College, Mangaluru.

9. Participated in 5 days online Faculty Development Program on "The Role of Advanced Materials & Nanotechnology in Present Scenario" held from 22 to 26 June 2020.

Ms. Sowmya S

1. Faculty Development Program on Internet of Things (IoT) conducted by Dr. H S Jamadagni, Professor, IISc, Bangalore on 27th May 2020 organized by NMAM Institute of technology, NITTE, under the aegis of BITES, Bengaluru.

2. One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad.

3. Participated and completed successfully Online Faculty Development Programme on "Networks and Security" from 26 to 29 May 2020 at NMAM Institute of Technology, Nitte

4. Participated in Two days Faculty Development Programme on "Artificial Intelligence in Healthcare" conducted by Dr. Anand Nayyar by Department of electronics and Telecommunication,R.C.Patel institute of technology, Shirpur between 10th and 11th June 2020.

5. Participated in a Five Day International Faculty Development Program on "Emerging Trends in Computer Science & Engineering" organized by the Department of Computer Science & Engineering, DSU- SoE.

6. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte

Ms. Rukmini Bhat B

1. One week faculty development program on Artificial Intelligence organized by the Department of Computer Science and Engineering, AIET, in association with Computer Society of India, National Youth Council of India and Brain O Vision Solutions India Pvt.Ltd, Hyderabad from 22 to 26 May 2020.

2. Participated and completed successfully Online Faculty Development Programme on "Networks and Security" from 26 to 29 May 2020 at NMAM Institute of Technology, Nitte.

3. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte.

4. Presented a paper entitled "Load Balancing in Software Defined Network" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

5. Participated in one day online workshop on "Scientific Writings for journals" organized by SpringerNature on 15th May 2020

6. participated in IEEE Bangalore Section Researchers Forum Online Workshop On "IEEE REFERENCE MANAGEMENT TOOL FOR RESEARCH ARTICLES AND THESIS WRITING" held on 20th May, 2020

Ms. Deepthi G Pai

1. Participated and completed successfully Online Faculty Development Programme on "Networks and Security" from 26 to 29 May 2020 at NMAM Institute of Technology, Nitte

2. Participated in the Four-Day Online FDP on "Applied Machine Learning Using Python" from 9 to 12 June 2020 organized by Department of ISE, NMAM Institute of Technology, Nitte

3. Presented a paper entitled "Early flood detection and avoidance using IoT" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) between 10th and 11th July 2020.

4. Presented a paper entitled "Application to aid hearing and speech impaired

people" in the International Conference on Emerging Trends in Science and Engineering (ICETSE-2020) on 10th and 11th July 2020.

NPTEL/Coursera Certificates completed Feb-July 2020

Dr. Vasudeva

AI For Everyone, Social Network Analysis, Programming for Everybody (Getting Started with Python), Python Data Structures, Introduction to Artificial Intelligence (AI)

Dr. Nagaraj Bhat

Programming for Everybody (Getting Started with Python), AI for Everyone, Python Data Structures, Managing Project Risks and Changes

Mr. Venugopala Rao A S

Python for everyone, AI For everyone, Python Data Structures

Mr. Shrinivasa

Programming for everybody (Getting started with python), Python data structure, AI for everyone, Managing project risks and changes

Ms. Yashaswini Jogi

AI for Everyone, Programming for Everybody (Getting Started with Python), Python Data Structures, Introduction to Google Docs, Create Informative Presentations with Google Slides Beginning SQL Server, Create Your First Python Program, Introduction to Cybersecurity Tools & Cyber Attacks, Cybersecurity Roles, Processes & Operating System Security, Cybersecurity Compliance Framework & System Administration, Network Security & Database Vulnerabilities, Cyber Threat Intelligence,

Penetration Testing, Incident Response and Forensics courses

Ms.Priyanka

AI for Everyone, Programming for Everybody (Getting Started with Python),Beginning SQL Server, Python Data Structures, Introduction to Cybersecurity Tools & Cyber Attacks, Cybersecurity Roles, Processes & Operating System Security, Cybersecurity Compliance Framework & System Administration, Network Security & Database Vulnerabilities, Penetration Testing, Incident Response and Forensics, Cyber Threat Intelligence, Cybersecurity Capstone: Breach Response Case Studies

Ms. Sahana

AI for Everyone, Programming for Everybody (Getting Started with Python),Beginning SQL Server, Python Data Structures, Effective Problem-Solving and Decision-Making, Introduction to Cybersecurity Tools & Cyber Attacks, Cybersecurity Roles, Processes & Operating System Security, Cybersecurity Compliance Framework & System Administration, Network Security & Database Vulnerabilities, Penetration Testing, Incident Response and Forensics, Cybersecurity Capstone: Breach Response Case Studies

Ms. Ramya D Shetty

Programming for everybody (Getting started with python), Python data structure, AI for everyone, Beginning SQL Server, Capstone: Retrieving, Processing, and Visualizing Data with Python, Spreadsheets for Beginners using Google Sheets, Introduction to Google Docs

Mr. Deepak Rao M

COVID-19 Contact tracing, Python for Everybody

Mr. Rama Moorthy H

Programming for Everybody (Getting Started with Python), AI for Everyone, Cybersecurity and Its Ten Domains, Cyber-security and the Internet of Things

Mr. Sharath Kumar

AI for Everyone, Programming for Everybody (Getting Started with Python),Beginning SQL Server, Python Data Structures, Managing Projects risks and changes, The Data Scientist's Toolbox, Introduction to Google Doc, Image Processing with Python, Introduction to Cybersecurity Tools & Cyber Attacks, Cybersecurity Roles, Processes & Operating System Security, Cybersecurity Compliance Framework & System Administration, Network Security & Database Vulnerabilities, Penetration Testing, Incident Response and Forensics, Cyber Threat Intelligence, Cybersecurity Capstone: Breach Response Case Studies

Ms. Sneha N S

AI For Everyone, Blockchain: Foundations and Use Cases, Building a Text-Based Bank in Java, Introduction to Big Data, Introduction to Graph Theory, Object-Oriented Programming with Java, Smart Contracts, Blockchain Basics, R Programming, Hadoop Platform and Application Framework

Ms.Ramyashree

AI For Everyone, Computer Vision - Image Basics with OpenCV and Python, Computer Vision - Object Detection with OpenCV and Python, Computer Vision: Neural Transfer Style & Green Screen Effect, Create Your First Python Program, Facial Expression Recognition with Keras, Image Classification with Amazon Sage maker, Positive Psychology, Image Classification with CNNs using Keras, Video Basics with OpenCV and Python, Object-Oriented Programming with Java, Programming for Everybody (Getting Started with Python),Predicting House Prices with Regression using Tensor Flow, Image Denoising Using AutoEncoders in Keras and Python, Analyze Box office Data with Plotly and Python, Building Basic Relational Databases in SQL Server Management Studio, Image Noise Reduction with Auto-encoders using TensorFlow, Cybersecurity Compliance Framework & System Administration

Ms. Sowmya S

Introduction to Big Data, AI for everyone, Programming for everybody(Getting started with python), Requirements Gathering for secure software development, Introduction to cloud identity, Data Scientist's Toolbox, Managing Project risks and changes, Introduction to Google docs, Introduction to project management, Science of wellbeing, Introduction to personal branding, Beginning SQL server, Introduction to Cybersecurity Tools & Cyber Attacks

Ms. Rukmini Bhat B

AI For Everyone, Cloud computing Basics, Blockchain: Foundations and Use Cases, Introduction to Big Data, Hadoop Platform and Application Framework, Cyber Security and Internet of Things, Programming for Everybody (getting started with python), Python data structure

Ms. Deepthi G Pai

Building a Text-Based Bank in Java, Information Security: Context and Introduction, AI for Everyone, Cloud Computing Basics (Cloud 101), Programming for Everybody (Getting

Started with python), Python Data Structures, Object-Oriented Programming with Java, Requirements Gathering for Secure Software development

Invited talks given during Feb-July 2020

Dr. Nagaraj Bhat

Delivered an invited talk on "Android Applications and its effective Usability in Daily life" at RNS polytechnic college, Murudeshwara, Uttarakannada, Karnataka.

Mr. Rama Moorthy H

"LOGICS" -Invited Talk on the occasion of Science Workshop Conducted by Ministry of Women and Child Development, under the Flagship Program "Bala Bhavana" at Vyasa Maharshi Vidya Peetha, Mulky.

Farewell to **Dr. Adesh N D** who has served as Associate Professor in the department of Computer Science and Engineering, SMVITM.
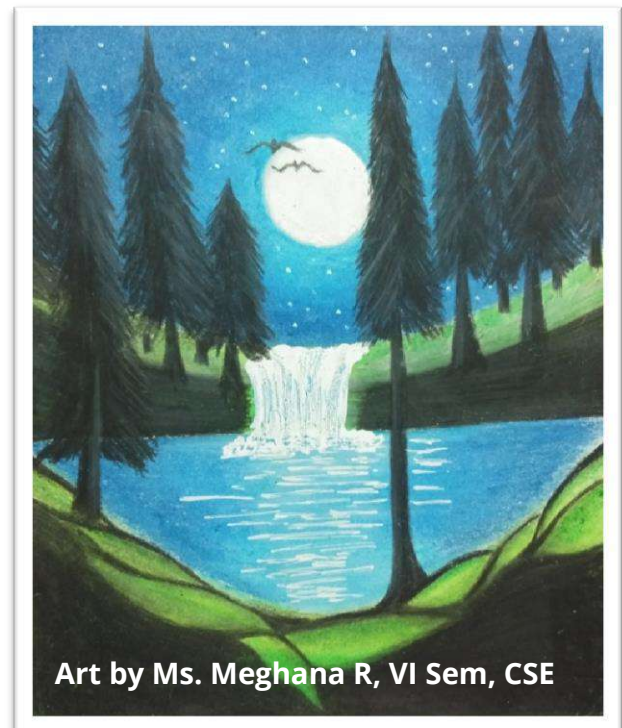

The department congratulates **Mr. Manoj T,** Assistant professor for being selected for doing PhD in MIT, Manipal.

The department congratulates **Mr. Praveen M Naik & Ms. Ramya D Shetty** Assistant professors for being selected for doing PhD in NITK, Surathkal.
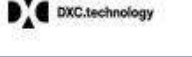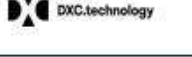
Wish them all the best in the research career.

Art by Ms. Meghana R, VI Sem, CSE

Placed Students of CSE

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AKANKSHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
ARCHANA HEBBAR K V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
LAVANYA N	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
MEGHANA R	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NARENDRA V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NIKHIL V ACHARYA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
PRATEEK R K	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHARAN	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHWETHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
VIDISHA P SHET	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
GAUTHAM NAIK P	Infosys Ltd., Bengaluru		Infosys
AJAY	Infosys Ltd., Bengaluru		Infosys
AKHILESH SHASTRY K	Infosys Ltd., Bengaluru		Infosys
AKSHATHA	Infosys Ltd., Bengaluru		Infosys
APOORVA	Infosys Ltd., Bengaluru		Infosys
CHAITRA R K	Infosys Ltd., Bengaluru		Infosys
KEERTHAN ACHARYA	Infosys Ltd., Bengaluru		Infosys
LAVANYA N	Infosys Ltd., Bengaluru		Infosys
NISHMITHA SHETTY	Infosys Ltd., Bengaluru		Infosys

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
NIVEDITHA	Infosys Ltd., Bengaluru		Infosys
PRADEEPA ACHARYA	Infosys Ltd., Bengaluru		Infosys
SHRIKARA	Infosys Ltd., Bengaluru		Infosys
SHWETHA	Infosys Ltd., Bengaluru		Infosys
SUNIL S SHETTY	Infosys Ltd., Bengaluru		Infosys
TANUSHREE ANCHAN	Infosys Ltd., Bengaluru		Infosys
VIJAYATHA NAYAK	Infosys Ltd., Bengaluru		Infosys
VIMITHA	Infosys Ltd., Bengaluru		Infosys
ZEBA AMRIN	Infosys Ltd., Bengaluru		Infosys
CHAITRA C KAMATH	Infosys Ltd., Bengaluru		Infosys
SHARAN	Juego Studio Pvt. Ltd., Bengaluru		JUEGO Studios
RENCITA MARIA COLACO	CodeCraft Technologies Pvt. Ltd., Mangaluru		CodeCraft Technologies
SUHANI	Techjini Datamatics Limited, Bengaluru		Tech Jini
Y V SNEHA	Techjini Datamatics Limited, Bengaluru		Tech Jini
AKANKSHA	GlobalLogic India Limited, Bengaluru		GlobalLogic
KEERTHANA BHAT	GlobalLogic India Limited, Bengaluru		GlobalLogic
VIMITHA	GlobalLogic India Limited, Bengaluru		GlobalLogic
JYOTHI JAYWANT KAMATH	Mindtree Ltd., Bengaluru		Mindtree Welcome to possible
KRIPA	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies
RIEONA FERNANDES	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies

Name	Company		
SANGEETHA P NAYAK	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies
SHREYAS PRABHU	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies
Y V SNEHA	Robosoft Technologies Pvt. Ltd., Udupi		Robosoft Technologies
PRIYADARSHINI.P	IBM India Pvt. Ltd., Bengaluru		IBM
KEERTHANA BHAT	Cognizant Technology Solutions, Bengaluru		Cognizant
NIKHIL V ACHARYA	Cognizant Technology Solutions, Bengaluru		Cognizant
RIEONA FERNANDES	Cognizant Technology Solutions, Bengaluru		Cognizant
SHREYAS PRABHU	Cognizant Technology Solutions, Bengaluru		Cognizant
RAKSHA	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru		Ace Micromatic Group
VINEETH KUMAR	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru		Ace Micromatic Group
VISHWASINI	AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru		Ace Micromatic Group
AKHILESH R	Talentio Solutions India Private Limited., Hyderabad		Talentio
KEERTHAN ACHARYA	Talentio Solutions India Private Limited., Hyderabad		Talentio
SHARADHI SHETTY	Talentio Solutions India Private Limited., Hyderabad		Talentio
SUHANI	IBM India Pvt. Ltd., Bengaluru		IBM
JAYALAKSHMI	Cognizant Technology Solutions, Bengaluru		Cognizant
RAKSHITHA M	Cognizant Technology Solutions, Bengaluru		Cognizant
VIDYESH V HOLLA	Cognizant Technology Solutions, Bengaluru		Cognizant

Name	Company		
POOJA	Wipro Limited, Bengaluru		wipro
SANGEETHA P NAYAK	Wipro Limited, Bengaluru		wipro
SHREYA BHAT	Wipro Limited, Bengaluru		wipro
SHREYAS PRABHU	Wipro Limited, Bengaluru		wipro
VIDYESH V HOLLA	Wipro Limited, Bengaluru		wipro
VISHWASINI	Wipro Limited, Bengaluru		wipro
NISHA J	Wipro Limited, Bengaluru		wipro
SHARADHI SHETTY	Wipro Limited, Bengaluru		wipro
SWATHI	Wipro Limited, Bengaluru		wipro
NISHA J	Global Edge Software Ltd., Bengaluru		GLOBAL EDG ALTRAN GROUP
POOJA	Global Edge Software Ltd., Bengaluru		GLOBAL EDG ALTRAN GROUP
SWATHI	Global Edge Software Ltd., Bengaluru		GLOBAL EDG ALTRAN GROUP
VAISHALI	Global Edge Software Ltd., Bengaluru		GLOBAL EDG ALTRAN GROUP
PRATHIKSHA P SHENOY	DXC Technology, Bengaluru		DXC.technology
RAKSHITHA	DXC Technology, Bengaluru		DXC.technology
SHREYA	DXC Technology, Bengaluru		DXC.technology
SHWETHA	DXC Technology, Bengaluru		DXC.technology
MANASA S	DXC Technology, Bengaluru		DXC.technology
VIJETH UPADHYA	Amazon Development Centre (India) Pvt. Ltd., Bengaluru		amazon.in

SHREYA	Mindtree Ltd., Bengaluru		Mindtree Welcome to possible
AISIRI	Pentagon Space Pvt Ltd, Bengaluru		PENTAGON SPACE Mastering The Future
PREETHI.N.RAO	Pentagon Space Pvt Ltd, Bengaluru		PENTAGON SPACE Mastering The Future
CHAITHRA	Pentagon Space Pvt Ltd, Bengaluru		PENTAGON SPACE Mastering The Future
SHWETHA	QSpiders Software Testing Center, Bengaluru		QSpiders
ANUPRIYA	KodNest Technologies Pvt. Ltd., Bengaluru		KodNest
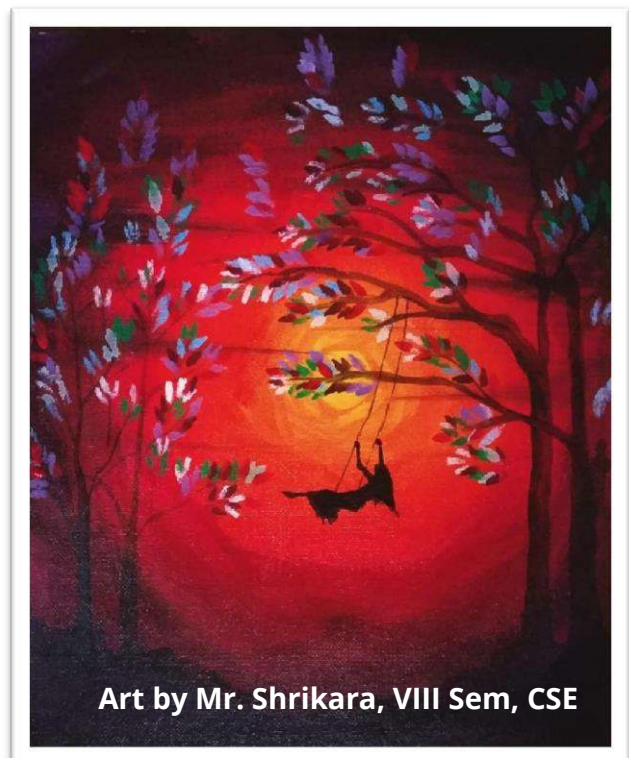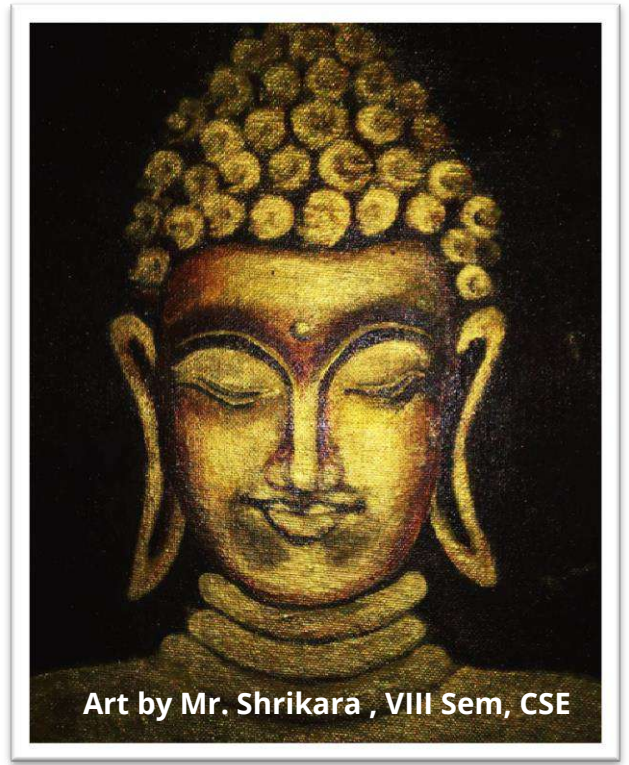
Outgoing Batch

A section

B section

Art by Mr. Shrikara, VIII Sem, CSE

Art by Mr. Shrikara , VIII Sem, CSE

Department of Computer Science and Engineering

Shri Madhwa Vadiraja Institute of Technology and Management

Vishwothama Nagar, Bantakal Udupi-574 115 Karnataka, India.

Phone:

+91 820 2589182

+91 820 2589183

Extension: 213

Email: cs@sode-edu.in

Web site: https://sode-edu.in/academics/computer-science-engineering/

Editorial Team:

Ms. Yashaswini Jogi

Ms. Sahana

❀❀❀❀❀❀❀❀❀❀❀❀❀❀❀❀❀❀
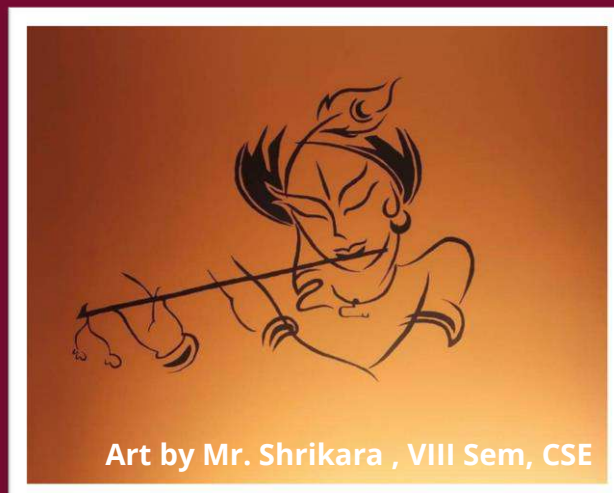
Art by Mr. Shrikara , VIII Sem, CSE

SMVITM

News Letter, Department of CSE, SMVITM

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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.

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.

Workshop on Python Programming

IEEE Student Branch of Shri Madhwa Vadiraja Institute of Technology and Management organized Python Workshop for the students of Atal Tinkering Lab installed schools of Udupi and Dakshina Kannada districts on 31st August and 7th September, 2019 in conjunction with PYCON India – 2019, a premiere conference in India on using and developing the python programming language. The event was attended by approximately 110 participants from 13 various schools keen on learning Python. Mr. Manoj T, Ms. Sahana Karanth, Ms. Tejaswini H, Asst Prof, CSE Dept. were the resource persons for the workshop.

Computer Network Awareness Program for the students of Indira Shiva Rao Polytechnic, Udupi

Department of Computer Science and Engineering of SMVITM, Bantakal organized a one-day Computer Network Awareness Program, for the

Students of Computer Science stream of Indira Shiva Rao Polytechnic, on 13 September 2019 in the department Premise in association with IEEE Student Branch. As part of the program sixteen students along with two staff members visited the campus. Dr. Vasudeva, Mr. Manoj T., Mr. Deepak Rao M, Mr. Suresh Rao and Mr. Shashidhar Pai were the resource persons for the workshop.

Keyboard Master

IEEE Student Branch and CodeTroopers club organized an event called Keyboard Master on 30 September 2019 at institute premises. The event comprised of two rounds namely Elimination and Finals.

A two-day workshop on Arduino Programming

A two-day workshop on Arduino Programming was organized by IEEE Student Branch, SMVITM in order to introduce the Arduino programming to the first-year engineering students of SMVITM. To inculcate the trait of peer learning among students, the workshop was conducted by a motivated team of budding engineers from SMVITM which comprised of Mr. Suraj Shetty, Mr. Vineeth P Nayak, Mr. Shamith Joshi, Mr. Vignesh Kudva, Mr. Rakshith, Mr. Srivastha, Mr. Harish and Mr. Nikhilesh pursuing second year engineering in different streams.

Workshop on Android Programming

IEEE Student Branch and ISTE student chapter of SMVITM organized a two-day workshop on 'Android Application Development' on 10 October 2019. Students of 5th semester CSE, Mr. Deepak Nayak, Mr. Ullas, Mr. Shetty Sourabh and Mr. Faheem Ahmad were the resource persons for the two-day workshop.

IIOTv5

Shri Madhwa Vadiraja Institute of Technology & Management (SMVITM), Bantakal, under the aegis of the Student Chapters of the Indian Society for Technical Education (ISTE) and IEEE Student branch organized a National Level Student Convention/Project Exhibition on Industrial Internet of Things (IIOT - 2K19) at the institute premises on 24th October 2019. More than Fifty teams from various Engineering colleges across the state exhibited their project models in the event. Dr. C P Ravikumar from Texas Instruments, Bengaluru was the chief guest for the Inaugural function. During

the valedictory function, Dr. Ananthanarayana V S, Deputy Director of NITK Surathkal was the guest.

In the Project competition, the first place was bagged by Deepak Nayak, Ullas Kunder, Abhijith Sherigara and Saurabh Shetty for "Smart Agriculture". The second place was bagged by Ganpat Patel, Faheem Ahmed, Ashutosh Kumar and Raunak Chaudhary for "Smart Energy Meter". The three consolation prize winners were Mohith and team for "Smart Mirror", Chethan G Naik and team for "GPS based garbage vehicle tracking ", and Anantha Kumar Ramachandra and team for "Smart car".

Workshop on IoT

ISTE Student Chapter and IEEE Student Branch of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal in association with Board for Information Technology Education Standards (BITES) Bengaluru, Government of Karnataka organized a three-day workshop on "Internet of Things" from 6th to 8th November 2019 for the benefit of first- and second-year students of SMVITM, Bantakal. Mr. Sunil Datta, Mr. Rajkiran

Dundareddi and Ms. Shreedevi from Bumblebee Leadership Academy were the resource persons for this three-day workshop. The Institute ISTE coordinator Mr. Deepak Rao M and IEEE branch Counsellor Dr. Vasudeva coordinated the event.

Challenge your limits

A student entrepreneurial event – 'Challenge your limits!' was conducted for pre-final year students of the department of Computer Science & Engineering in the institute premises on 07 November 2019 in association with IEEE Student Branch. The event 'Challenge your limits! – A student entrepreneurial activity' mentored by Mr. B N Ramachandra and Ms. Ramyashree, Assistant Professors, from the department of CSE, contained several interesting and fruitful activities.

Invited Talk

The Department of CSE in association with IEEE Student Branch and ISTE Student Chapter of SMVITM, Bantakal organized an invited talk by Mr. Achal Poonja on the topic of "Blockchain and its Applications" on 8 November 2019 at the seminar hall, admin block of the college. The event was organized for the benefit of 5 semester computer science students.

Formal welcome and Orientation program for the 2018-22 batch students (3rd Semester) to the CSE Branch

Hands-on workshops on "IoT, Arduino, Raspberry Pi boards, Electronics circuits" in Atal Tinkering Labs established at High schools.

In continuation with the initiative started in the year 2018, the student mentors who are also the members of IEEE conducted 1-day, 2-day and 3-day workshops on basic electronic circuits, Sensors, IoT, Robotics, Arduino and Raspberry Pi boards etc to the interested high school and PU students of SDPT P U College, Kateel (2 October); Government P U College (Hiriadka, Bailuru: 2 October); VKR Acharya English Medium High School, Kundapura (4, 5 October, 2019); Madhava Kripa English Medium High School, Manipal (2 October, 2019); Shri Vyasa Maharshi Vidyapeeta, Mulky (2, 3 November); Jawahar Navodaya Vidyalaya, Hebri (11 October, 2019).

3

One day Arduino workshop at Government High School, Volakadu, Udupi by little mentors of SMVITM Bantakal. (23 January 2020)

One day hands-on workshop on IoT Applications at Poornaprajna College, Udupi. Thing for being proud is that the workshop was conducted by IOT team of SMVITM. Dr. Vasudeva, HoD of CSE gave an introduction to IoT.

Alumni Talk by Mr. Shrivishnu

The alumni talk by **Mr. Shrivishnu** (2015-2019 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 31st August, 2019. The students of pre-final year of CSE department were the beneficiary of this program.

Mr. Shrivishnu is currently an intern at Mobiezy, Bengaluru and will be joining Mindtree soon. Speaker gave insights about how to do preparation for GATE exam and opportunities available if cracked the exam. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

Alumni Talk by Ms. Devika Lakshmeesha

The alumni interaction activity by **Ms. Devika Lakshmeesha** (2011-2015 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell on 14th September, 2019. The students of final year of CSE department were the beneficiary of this program.

Ms. Devika was placed in HP and currently working in Infosys, Mangalore as Senior System Engineer. Speaker gave insights about how to prepare for any placements. Ms. Tejaswini H welcomed the gathering and introduced speaker to the audience. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

Alumni Talk by Ms. Sushmitha R

The alumni interaction activity by **Ms. Sushmitha R** (2014-2018 CSE Batch) was arranged by the

Department of Computer Science and Engineering in association with Alumni Cell on 21st September, 2019. The students of final year of CSE department were the beneficiary of this program.

Ms. Sushmitha is currently working as a System Analyst in Cognizant Technology Solutions, Bengaluru. She gave information about useful sites for preparing for placements, like Indiabix, HackerRank etc. Also, she shared her experience about working in Cognizant. Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and Department Alumni coordinators, Department of CSE, coordinated the event.

Alumni Talk by Mr. Rajath and Ms. Megha Samaga

The alumni interaction activity by **Mr. Rajath** and **Ms. Megha Samaga** (2015-2019 CSE Batch) was arranged by the Department of Computer Science and Engineering in association with Alumni Cell and ISTE on 05th October, 2019. The students of final year of CSE department were the beneficiary of this program.

Mr. Rajath is currently working as Trainee Software Engineer in Juego Studios, Bengaluru. He conducted session on trending web technologies that are helpful in projects.

Ms. Megha Samaga is currently working as a Project Engineer in Wipro Ltd., Mysuru. She shared her work experience in Wipro. She briefed about AMCAT

exam and opportunities available through it and how to face interview. Mr. Deepak Rao M, Ms. Tejaswini H and Ms. Ramyashree, Assistant professors and ISTE/Department Alumni coordinators, Department of CSE, coordinated the event.
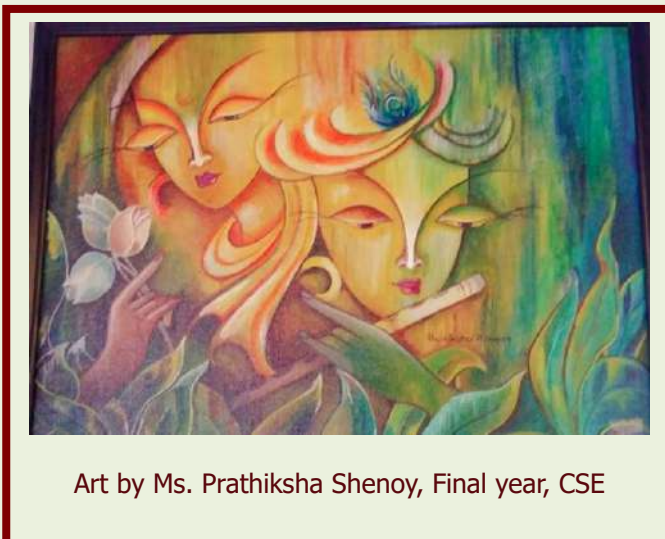
Art by Ms. Prathiksha Shenoy, Final year, CSE

Faculty Accomplishment

Dr. Vasudeva gave an invited talk on "Applications of Discrete Mathematics" in the department of Mathematics, NMAMIT, Nitte on 25 July, 2019.
gave a guest lecture on "Social Network Analysis" in Poornaprajna College, Udupi to the B.Sc. (Computer Science) students on 20 September 2019

Dr Vasudeva inaugurated the Science Club at SVH P U College, Innanje on 18 September, 2019

Dr. Vasudeva attended the BRIDGE'19, a conference organized by ICT academy, in Bengaluru on 24 September, 2019

Dr. Vasudeva has been selected as the treasurer of IEEE Mangalore Sub Section for the year 2020.

Dr. Vasudeva was nominated as member, Selection Committee for promotion of faculty members under CAS in the Computer Science department of Goa University, Goa during November, 2019

Dr. Vasudeva was invited to Canara College, Mangaluru as a judge for an event in SCIENTICA a national level fest held on 13 January, 2020.
He published following papers in journals.

Publications

1. C. Rama Mohan, S. Kiran, **Vasudeva**, A. Ashok Kumar, *Image Enhancement based on Fusion using 2D LPDCT and Modified PCA*, International Journal of Engineering and Advanced Technology (IJEAT), 8 (6S3), (2019), 1482-1492.

2. C. Rama Mohan, S. Kiran, **Vasudeva**, A. Ashok Kumar, *Advanced Multispectral Image Fusion based on Frequency Partition and Normalization,* Journal of Advanced

Research in Dynamical & Control Systems, 11(11), (2019), 546-555.

Mr. Adesh N D, Associate Professor in Computer Science & Engineering Department of Shri Madhwa Vadiraja Institute of Technology Bantakal, was awarded Ph.D. degree for his research thesis titled "Design and Implementation of Efficient Techniques for Packet Scheduling and Congestion Control in 4G LTE Networks", submitted under the guidance of Dr. Renuka A, Professor, Department of Computer Science & Engineering, Manipal Institute of Technology, Manipal.

Mr. Nagaraj Bhat, Associate Professor in Computer Science & Engineering Department of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, was awarded Ph.D. degree for his research thesis titled "Weather Informatics Using Remote Sensing and Geographic Information System in high performance Computing Environment" submitted under the guidance of Professor Dr. Krushna Chandra Gouda, Senior Scientist, CSIR-4PI, Bengaluru by Visvesvaraya Technological University, Belagavi.

Faculty team of CSE comprising **Mr. Shrinivasa, Ms. Yashaswini Jogi, Ms. Priyanka, Ms. Sahana Karanth & Mr. Sharath Kumar** won first prize in cooking competition held as part of Teachers Day celebration.

Team Lunch: CSE department of SMVITM Bantakal.

Farewell to **Mr. Ramachandra B N**, Assistant Professor

The department congratulates **Ms. Swathi Prabhu, Ms. Tejaswini H & Ms. Sindhura D N**, Assistant professors for being selected for doing PhD in MIT, Manipal (under MAHE) & wish them all the best in the research career.

FDP/Conferences/Workshops attended by faculty

1. **Ms. Ramyashree**, Assistant Professor, attended a One-day workshop on "Computer Vision and ICN" held at MIT Manipal in association with TCS Bengaluru on 22 November 2019.
2. **Ms. Ramyashree**, Assistant Professor, attended a One-day training program for Udupi District YRC Programme Officers held on 16 January 2020 at Dr. G Shankar Govt. Women's First Grade College & PG Center Ajjarakadu Udupi.
3. **Mr. Manoj T**, Assistant Professor (Senior), participated in a two weeks FDP on "Data Science and Deep Learning" held during 15-26 July 2019 at RVCE, Bengaluru.
4. **Mr. Manoj T**, Assistant Professor (Senior), participated in a One-day workshop on "Computer Vision and ICN" held at MIT Manipal in association with TCS Bengaluru on 22 November 2019.
5. **Mr. Manoj T**, Assistant Professor (Senior), participated and successfully completed ten days workshop on "Research Methodology" from 17th to 26th January 2020 organized by VTU-HRDC, Centre for PG Studies, Muddenahalli, Chikkaballapura.
6. **Ms. Rukmini Bhat B**, Assistant Professor, participated in AICTE sponsored six days STTP program on "Big Image Data Processing Using Machine Learning Techniques" from 4th to 9th November 2019 organized by Department of Computer Science and Engineering, Manipal Institute of Technology, MAHE Manipal.
7. **Ms. Rukmini Bhat A**ssistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.
8. **Ms. Sneha N S**, Assistant Professor, participated in AICTE sponsored six days STTP program on "Big Image Data Processing Using Machine Learning Techniques" from 4th to 9th November 2019 organized by Department of Computer Science and Engineering, Manipal Institute of Technology, MAHE Manipal.
9. **Ms. Sneha N S**, Assistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.
10. **Ms. Yashaswini Jogi**, Assistant Professor, attended the one-week National Workshop on High Performance Computing and Applications (HPCA 2019) held at NITK, Surathkal from August 12-17, 2019.
11. **Ms. Sahana**, Assistant Professor, attended the one-week National Workshop on High Performance Computing and Applications (HPCA 2019) held at NITK, Surathkal from August 12-17, 2019.
12. **Ms. Sahana**, Assistant Professor, participated in a Five-day Faculty Development program-" Empowering Teaching Skills" held at SMVITM Bantakal from 27th to 31st January 2020.

Student Accomplishment

1. **Ms. Daneena D'Souza** was awarded the gold medal for being the topper in Computer Science & Engineering 2015-19 batch.

2. The Students **Mr. Deepak Nayak, Mr. Ullas, Mr. Shetty Saurabh Lavakumar and Mr. Abhijith S Sherigara** (from Civil Engg.) of third year Computer Science & Engineering of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal have participated and won the First place in ISRO Hackathon (a 36 hours event) organized by Sahyadri College of Engineering & Management, Mangaluru as part of "AEROPHILIA- 2019" held from 20 to 22 September 2019. More than 200 students from 25 Engineering colleges have participated in the event.

3. Official Android mobile App (access only to SMVITM Staff and students) launched during Teachers Day celebration held on 5 September, 2019. The team X to Infinity (an interdisciplinary team of 3rd year students including **Mr. Deepak Nayak, Mr. Ullas & Mr. Shetty Saurabh Lavakumar** from CSE conceptualized & designed the app with multiple and useful features.

4. **Mr. Ashutosh Kumar and Mr. Faheem Ahammad** the students of third year Computer Science & Engineering have participated and won First prize in Group Discussion competition held as part of TechCrunch-2K19 organized by the department of Information Science & Engineering, Alva's Institute of Engineering and Technology, Moodbidri on 06 September, 2019.

5. CSE team of SMVITM comprising **Ms. Ashmitha Kalkur, Mr. Ullas, Mr. Shubham Poojary, Mr. Yahya Asadi, Mr. Gagan Babu, Mr. Ashuthosh Kumar, Mr. Shreyas G Acharya and Ms. Namratha** won first prize in the event MadAds held as part of Joshiana, technical fest at St. Joseph Engineering College, Mangaluru.

6.   **Mr. Deepak Nayak, Mr. Ullas, Mr. Saurabh Shetty** third year students of Shri Madhwa Vadiraja Institute of Technology and Management Bantakal have won the 18-hour Hackathon "Hacktoberfest Hacknight" organized at Sahyadri College of Engineering & Management Mangaluru on 12 and 13 October, 2019 hosted under the banner of MHRDs Institute Innovation Cell.

7.   **Ms. Shreya Bhat, Ms. Shreya Ravindra, Ms. Ananya Bhat, Ms. Prajna, Ms. Sneha, Ms. Meghana R, Ms. Jyothi Jayavant Kamath, Ms. Sharadhi Shetty & Ms. Kirthi Nayak** were part of the SMVITM cultural team which won 1st place in Group singing, second place in Group Dance & skit and overall championship in the 4th District Rotaract Cultural Program 2019-20 held on 19 January, 2020.

8.   **Mr. Nikhil G Poojary** (Member, Volleyball first Prize), **Mr. Dhanush Hegde** (Volleyball, Long Jump 1st), **Ms. Sneha** (100 mtr, Long jump, Relay: 1st, shot put: 2nd), Mr. Prinston Lewis (100 mtr:

3rd, Relay: 1st) & **Mr. Akash G S Kumar** (Relay: 1st) have participated & won prizes in the inter district sports meet hosted by Rotaract Club Karkala held on 1 December, 2019.

9.   **Ms. Vijayalakshmi & Ms. Shreya S** were part of the table tennis team which won third place in VTU Mangalore Zone Inter-collegiate table tennis tournament held at AJIET, Mangaluru on 15 November, 2019

10.   **Vineeth P Nayak, Suraj & Shamith Joshi** have won third place in Hobby Project Competition held at JNNCE, Shivamogga on 4 & 5 October, 2019

11.   The team CSGO comprising **Mr. Yahya Asadi, Mr. Shubham Poojary & Mr. C Gagan Babu** was selected as one among top 10 teams out of 250+ teams participated in "Hackverse", a national level Hackathon organized at NITK Surathkal on 25 and 26 January, 2020.

Placed Students of CSE

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AKANKSHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
ARCHANA HEBBAR K V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
LAVANYA N	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
MEGHANA R	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NARENDRA V	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
NIKHIL V ACHARYA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
PRATEEK R K	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHARAN	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
SHWETHA	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
VIDISHA P SHET	Tata Consultancy Services Ltd., Bengaluru.		TATA CONSULTANCY SERVICES
GAUTHAM NAIK P	Infosys Ltd., Bengaluru		Infosys
AJAY	Infosys Ltd., Bengaluru		Infosys
AKHILESH SHASTRY K	Infosys Ltd., Bengaluru		Infosys

NAME	COMPANY NAME	PHOTO	COMPANY LOGO
AKSHATHA	Infosys Ltd., Bengaluru		Infosys
APOORVA	Infosys Ltd., Bengaluru		Infosys
CHAITRA R K	Infosys Ltd., Bengaluru		Infosys
KEERTHAN ACHARYA	Infosys Ltd., Bengaluru		Infosys
LAVANYA N	Infosys Ltd., Bengaluru		Infosys
NISHMITHA SHETTY	Infosys Ltd., Bengaluru		Infosys
NIVEDITHA	Infosys Ltd., Bengaluru		Infosys
PRADEEPA ACHARYA	Infosys Ltd., Bengaluru		Infosys
SHRIKARA	Infosys Ltd., Bengaluru		Infosys
SHWETHA	Infosys Ltd., Bengaluru		Infosys
SUNIL S SHETTY	Infosys Ltd., Bengaluru		Infosys
TANUSHREE ANCHAN	Infosys Ltd., Bengaluru		Infosys
VIJAYATHA NAYAK	Infosys Ltd., Bengaluru		Infosys
VIMITHA	Infosys Ltd., Bengaluru		Infosys

Name	Company	Logo
ZEBA AMRIN	Infosys Ltd., Bengaluru	Infosys
CHAITRA C KAMATH	Infosys Ltd., Bengaluru	Infosys
SHARAN	Juego Studio Pvt. Ltd., Bengaluru	Juego Studios
RENCITA MARIA COLACO	CodeCraft Technologies Pvt. Ltd., Mangaluru	CodeCraft Technologies
SUHANI	Techjini Datamatics Limited, Bengaluru	TechJini
Y V SNEHA	Techjini Datamatics Limited, Bengaluru	TechJini
AKANKSHA	GlobalLogic India Limited, Bengaluru	GlobalLogic
KEERTHANA BHAT	GlobalLogic India Limited, Bengaluru	GlobalLogic
VIMITHA	GlobalLogic India Limited, Bengaluru	GlobalLogic
JYOTHI JAYWANT KAMATH	Mindtree Ltd., Bengaluru	Mindtree Welcome to possible
KRIPA	Robosoft Technologies Pvt. Ltd., Udupi	Robosoft Technologies
RIEONA FERNANDES	Robosoft Technologies Pvt. Ltd., Udupi	Robosoft Technologies
SANGEETHA P NAYAK	Robosoft Technologies Pvt. Ltd., Udupi	Robosoft Technologies
SHREYAS PRABHU	Robosoft Technologies Pvt. Ltd., Udupi	Robosoft Technologies
Y V SNEHA	Robosoft Technologies Pvt. Ltd., Udupi	Robosoft Technologies
PRIYADARSHINI.P	IBM India Pvt. Ltd., Bengaluru	IBM
KEERTHANA BHAT	Cognizant Technology Solutions, Bengaluru	Cognizant
NIKHIL V ACHARYA	Cognizant Technology Solutions, Bengaluru	Cognizant
RIEONA FERNANDES	Cognizant Technology Solutions, Bengaluru	Cognizant
SHREYAS PRABHU	Cognizant Technology Solutions, Bengaluru	Cognizant
RAKSHA	AceMicromatic Manufacturing Intelligence Technologies Pvt.	Ace Micromatic Group
VINEETH KUMAR	AceMicromatic Manufacturing Intelligence Technologies Pvt.	Ace Micromatic Group
VISHWASINI	AceMicromatic Manufacturing Intelligence Technologies Pvt.	Ace Micromatic Group
AKHILESH R	Talentio Solutions India Private Limited., Hyderabad	Talentio
KEERTHAN ACHARYA	Talentio Solutions India Private Limited., Hyderabad	Talentio
SHARADHI SHETTY	Talentio Solutions India Private Limited., Hyderabad	Talentio
SUHANI	IBM India Pvt. Ltd., Bengaluru	IBM
JAYALAKSHMI	Cognizant Technology Solutions, Bengaluru	Cognizant

RAKSHITHA M	Cognizant Technology Solutions, Bengaluru		Cognizant
VIDYESH V HOLLA	Cognizant Technology Solutions, Bengaluru		Cognizant
POOJA	Wipro Limited, Bengaluru		wipro
SANGEETHA P NAYAK	Wipro Limited, Bengaluru		wipro
SHREYA BHAT	Wipro Limited, Bengaluru		wipro
SHREYAS PRABHU	Wipro Limited, Bengaluru		wipro
VIDYESH V HOLLA	Wipro Limited, Bengaluru		wipro
VISHWASINI	Wipro Limited, Bengaluru		wipro
NISHA J	Global Edge Software Ltd., Bengaluru		GLOBAL EDGE -ALTRAN GROUP
POOJA	Global Edge Software Ltd., Bengaluru		GLOBAL EDGE -ALTRAN GROUP
SWATHI	Global Edge Software Ltd., Bengaluru		GLOBAL EDGE -ALTRAN GROUP
VAISHALI	Global Edge Software Ltd., Bengaluru		GLOBAL EDGE -ALTRAN GROUP

Art by Ms. Prathiksha Shenoy, Final year, CSE

Art by Ms. Prathiksha Shenoy, Final year, CSE

Program Outcomes (POs)

The graduates of Computer Science and Engineering program will attain the ability to:

PO1 - Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.

PO2 - Problem analysis: Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

PO3 - Design/development of solutions: Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

PO4 - Conduct investigations of complex problems: Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

PO5 - Modern tool usage: Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

PO6 - The engineer and society: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

PO7 - Environment and sustainability: Understand the impact of the professional engineering solutions in societal and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

PO8 - Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.

PO9 - Individual and team work: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.

PO10 - Communication: Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

PO11 - Project management and finance: Demonstrate knowledge and understanding of the engineering and management principles and apply these to one's own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

PO12 - Life-long learning: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological change.

Program Specific Outcomes

PSO1: Student will 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: Student will be able to successfully adapt to the changes in the field of computer science and engineering for both personal and professional growth.

Program Educational Objectives (PEOs)

The graduates of Computer Science and Engineering program will 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.

SMVITM

NEWS LETTER

Volume 4, Issue 2, 2018-19

Department of Computer Science and Engineering,
SHRI MADHWA VADIRAJA INSTITUTE OF TECHNOLOGY AND MANAGEMENT
(A unit of Shri Sode Vadiraja Mutt Education Trust Udupi)
Vishwothama Nagar, Bantakal, Udupi – 574 115, Karnataka, India

VISION

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

MISSION

To educate the Computer Science Engineering aspirants with basic and advanced technologies, who can make a difference in competitive environments, continuously improve their technological skills, communicate effectively and be faithful to ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES

The graduates of Computer Science and Engineering should have -

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

PROGRAMME OUTCOMES

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

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

PROGRAMME SPECIFIC OUTCOMES

At the end of the Programme, graduates will

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

DEPARTMENTAL ACTIVITIES

Alumni Interaction with Ms. Adithi R Hegde

Ms. Adithi R Hegde, System Engineer and Educator in Infosys, Mysore, a proud alumna of the institute shared her interview as well as work experience in Infosys with final year students who have registered for Infosys recruitment drive in an alumni interaction activity arranged by the

Department of Computer Science and Engineering in association with the Alumni Cell, on 09 February 2019. Ms. Tejaswini H and Mr. Manoj T., Alumni Cell/Placement coordinators of CSE Department coordinated the event. Dr. Vasudeva, Professor and HOD, Department concluding remarks for the event and thanked resource person.

A value added certification course on "Product Management"

The event was organized under the aegis of ISTE Student Chapter and IEEE Student Branch in association with IoT club of the college. First two sessions out of four sessions was conducted on 16 and 17 February 2019. Remaining sessions were covered on 23 March 2019. Mr. Dhananjay Udupa, Director, Global Product Management, Philips Lighting is the resource person for certification course. The entire course is divided into six modules and includes topics related to

Introduction, Value Proposition, Road mapping, Finance, New Product Introduction and Soft Skills. Totally 22 students are registered for the course.

Workshop on New Age Skill Set for Writing Technical Papers

ISTE Student Chapter and IEEE Student Branch of SMVITM jointly organized a two days' workshop on "New Age Skill Set for Writing a Technical Papers" for the final year students on 12th and 19th February 2019. The motto of this program was to improve skill set of students to present their final year project work in a Technical paper and improve their presentation skills. The opening remarks for the workshop was given by Dr. Vasudeva, HOD

Department of Computer Science and Engineering were he briefed about two day's workshop and also the importance of Technical writing.

Calm the Hassle competition

SMVITM in association with ISTE Student Chapter organized the event "Calm the Hassle" – a Stress Interview, for the benefit of its students. 45 students from all branches of engineering participated in the event which was organized in two rounds. On 20 February 2019 group discussion was held and 8 students with 2 wild card entries were selected for the final round of the event. The final interview round was conducted on Saturday 23 February 2019.

The proud alumni of the college Mr. Nihal Shetty and Mr. Gagan G. Prabhu were the jury members for the final interview round. Each participant was interviewed for around 20 minutes and were put under different task and tested on their leadership and thinking skills. Niharika from II semester ECE won first place and Jyothi Jaywant Kamath of VI semester CSE won second place. The event was well coordinated by Mr. Raunak Chaudhary and Mr. Pranav K.

Talk by Dr. Diwakar P G, Scientific Secretary, ISRO, Bengaluru

SMVITM in association with ISTE Student Chapter organized An interaction session on "Space Technology and its Applications" by Dr. Diwakar P G, Scientific Secretary, ISRO, Bengaluru, on 14 March 2019 at Seminar Hall, Admin Block for the benefit of the students and faculty of SMVITM.

Industrial Visit

The Department of Computer Science in association with ISTE Student Chapter and EDC of SMVITM organized a three day industrial tour to Mysore and Hassan from 28 April 2019 to 30 April 2019. As part of this industrial tour they visited prominent organization like Infosys Limited, Mysore, Skanray

Technologies Ltd, Mysore and Master Control Facility, ISRO, Hassan.

Talk by Dr. K. C. Gouda, Senior Scientist from NAL

SMVITM in association with ISTE Student Chapter organized an invited talk by K. C. Gouda, Senior Scientist from NAL, Bengaluru on 26 April 2019.

Tech-Charades Competition

An event titled Tech-Charades was organized by Dept. of CSE under the ages of ISTE Student Chapter on 2 May 2019. 6 teams of various branches participated in the event which had four rounds. Two teams were selected as winners. The event was coordinated by Mr. Raunak Chaudhary and my Mr. Fahim Ahmad.

National Conference on Emerging Trends in Science & Engineering

The two-day National Conference on Emerging Trends in Science and Engineering (NCETSE 2019), organized at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal was inaugurated by Dr. P.G. Diwakar Scientific Secretary, ISRO Bengaluru on 26 April 2019.

NEWS LETTER
Department of Computer Science and Engineering
VOL:4   **ISSUE:2**   **YEAR: 2018-19**

Shri. Rathnakumar, Secretary Shri Sode Vadiraja Mutt Education Trust, Udupi presided over the inaugural function. Dr. Vasudeva, in charge Principal, welcomed the gathering. Mr. Sujay Raghavendra, Asso. Professor Civil Engineering Department introduced the chief guest and the organizing chair Mr. Anand V. R. Head, Dept. of Civil Engineering proposed vote of thanks. Ms. Sowmya Bhat, Asst. Professor Electronics and communication Engineering Department compered program.

The inaugural function was followed by a keynote address on Indian Space Program, a perspective by Dr. P.G. Diwakar. Dr. Paresh Chandra Deka, Professor, Dept. of Applied Mechanics, NITK Surathkal, Dr. Arun Isloor, Professor, Dept. of Chemistry NITK Surathkal and Dr. G. S. Dwarakish, Professor, Dept. of Applied Mechanics, NITK Surathkal gave guest talks in different sessions. More than 100 research papers were presented by researchers, academics and students from across the state.

The two-day National Conference on Emerging Trends in Science and Engineering (NCETSE 2019), at Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal in association with Indian Space Research Organization was concluded on 27 April 2019. Dr. K. C. Gouda, Senior Scientist was the chief guest for this function. Shri. Rathnakumar, Secretary, Shri Sode Vadiraja Mutt Education Trust, Udupi presided over the function.

The CD containing two day conference proceedings was released by Dr. K.C. Gouda. Mr. Anand V. R., the Organizing Chair of the conference presented a summary of the proceedings. Dr. Thirumaleshwara Bhat, Principal, SMVITM welcomed the gathering and Dr. Vasudeva, Organizing Chair of the conference proposed a vote of thanks. Mr. Nagaraj Bhat, convener of the conference introduced the chief guest.

Guest Lecture by Mr. Bharath Yaragatti

An invited talk on "Role of New Age Technologies in Hackathons and IT industry" by Mr. Bharath Yaragatti, VP- Cloud Practice, Niveus Solutions, Udupi was organized on 13 April 2019 at SMVITM campus by IEEE Student Chapter and CodeTroopers Student club.

During his address, Mr. Bharath spoke at length about the role of IoT, Cloud Computing, Blockchain technology, Agile practices in rapidly changing IT industry. He advised students to actively participate in hackathons and gameathons in order to realize the potential of new age technologies in the student age itself and thereby reduce the learning curve when they join the industry.

Mr. Trivikram Bhat and Ms. Akanksha compeered the program. Mr. Venugopal Rao A S, Assistant Professor (Senior), and Mr. Manoj T, Assistant Professor, respectively, welcomed and thanked the resource person.

Clash of Codes 2.0

In order to hone the programming and problem-solving skills of SMVITM students, IEEE Student Chapter and CodeTroopers Student club organized an event called Clash of Codes 2.0 on 13 April 2019 at institute premises. The event comprised of three rounds namely **Prelims, Elimination** and Gambling. Raunak Choudhary and Ganpat Patel won the first prize. Ganesha K S and Harsha Maiyya won the second prize.

3-day workshop on ATL Initiatives

A 3-day workshop on "Atal Tinkering Lab initiatives" was concluded at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal on 15 June, 2019. Mr. Atul Udupi, Senior Adviser, Bibox Ltd. Bengaluru was the chief guest. Mr. Sandesh J Kundar, Senior Engineer, Aspect Technologies, Bengaluru congratulated the institute for associating with ATLs. Shri. Rathnakumar, Secretary, SSMVET, Udupi presided over the function. Dr. Thirumaleshwara Bhat, Principal welcomed the gathering and Dr. Vasudeva, HoD of Computer Science and Engineering proposed the vote of thanks. Mr. Avinash N J gave a brief report of the workshop. Ms. Sneha N S, Assistant Professor of CSE department, compeered the program. Mr. Rama Moorthy H, assistant Professor, Department of CSE coordinated the program. About 45 students and teachers of different schools and P U Colleges participated in the workshop.

Farewell to Ms. Anujna Rao

Ms. Anujna Rao, Assistant Professor, Department of Computer Science and Engineering got relived from duties on 30 April. The Management, Principal, HOD and all staffs extended their best wishes for her future endeavors.

NEWS LETTER
Department of Computer Science and Engineering
VOL:4   ISSUE:2   YEAR: 2018-19

STUDENTS ACHIEVEMENTS

1. The Students of Computer Science and Engineering have participated and won prizes in SENTIA-2019, a national level inter collegiate fest held at Mangalore Institute of Technology and Engineering, Moodabidri on 27-28, March, 2019. **Mr. Steve Neil Martis and Mr. C Gagan Babu** won second prize in "Short Video Film Making", **Ms. Sahana Udupa** won second prize in "Semi Classical Singing", **Ms. Shreya** won Second prize in "Eastern Dance", **Ms. Megha Samaga** won Second prize in "Kannada Story Writing". The team of **Mr. Deepak Nayak, Mr. Ullas and Mr. Shetty Saurabh Lavakumar** won first prize in "Hoverboard Challenge".

2. **Mr. Yahya Asadi** won first prize in "Keyboard Ninja", **Mr. Shravan Poojary** won first place in "Counter Strike", **Mr. Akhilesh Shastry, Mr. Narendra V, Mr. Anish V Jathan and Mr. Shravan Poojary** won first place in "PUB-G", **Mr. Shreyas Prabhu and Mr. Sharan** won first prize in "Battle it Out", **Ms. Sahana Udupa, Ms. Shilpa Bhat, Ms. Shreya Bhat, Mr. Trivikrama Bhat and Mr. Shrikara** won second place in "Bhajan", **Ms. Shreya** won second place in "Dance", **Mr. Steve Neil Martis** won second prize in "Short Movie" competitions held in NMAM Institute of Technology, Nitte as part of "INCREDIA-2109", a national level inter collegiate fest from 13 - 16 February, 2019

3. **Deepak Nayak, Ullas and Shetty Saurabh Lavakumar** of second year Computer Science & Engineering branch have won the First place in "Hackathon". **Haripriya S Aithal, Nithin H A, Shreenivas Hathwar J** of final year and **Palguna T M** of third year

Computer Science & Engineering branch has won the Second place in "Gameathon". They had participated and won the awards in the state level intercollegiate competition "Dreamathon 2019" organized by Sahyadri College of Engineering and Management, Mangaluru in association with Dreamsoft Innovations, HostZyro and NAIN (New Age Incubation Network) Govt. of Karnataka held on 13 and 14 April 2019.

Placed students in various companies from the Computer Science & Engineering Department in 2018-19

NAME	COMPANY NAME	PHOTO
AMANDA JANICE GOMES	Infosys Ltd., Tata Consultancy Services Ltd., Robosoft Technologies	
ANUSHA Y S	Infosys Ltd.,	
APOORVA R	Infosys Ltd., MindTree Ltd. Robosoft Technologies	
BLESSWINI SWIDOL NAZARETH	Infosys Ltd., Robosoft Technologies	
CHINMAYI V. KULKARNI	Infosys Ltd.,	
DEEPIKA	Infosys Ltd.,	
DIVYA P NAYAK	Infosys Ltd.,	

DIVYASHREE K KULAL	Infosys Ltd.,	
ELVEERA JENISHA MACHADO	Infosys Ltd.,	
GLEETA EDLENE CORNELIO	Infosys Ltd.,	
K.SRIDEVI.RAO	Infosys Ltd., SLK Software Services Pvt. Ltd,	
MAHIMA DAYANANDA GANIGA	Infosys Ltd.,	
NAVYA NAGARAJ VIDYAVATHI POOJARY	Infosys Ltd., Access6 Technologies,	
NAVYA V. PAI	Infosys Ltd., Access6 Technologies, Pathfront,	
RAKSHA R	Infosys Ltd.,	
RANJAN	Infosys Ltd., Access6 Technologies,	
SAGAR G AIGAL	Infosys Ltd.,	

8

Name	Company		Name	Company	
SHREYA U K RAO	Infosys Ltd., Pathfront,		SUSHMITHA	Prueba India Software Pvt. Ltd., Pathfront,	
SHWETHA JOGI	Infosys Ltd.,		SHILPA BHAT	Prueba India Software Pvt. Ltd., PathFront, Usha Armour Pvt. Ltd., QSpiders Software Testing Center,	
SUCHITHA S KUMAR	Infosys Ltd.,		ROSHINI	Prueba India Software Pvt. Ltd.,	
SWATHI G POOJARY	Infosys Ltd., Wipro Limited,		NIKHITHA J	Prueba India Software Pvt. Ltd., Diya Systems Pvt. Ltd.,	
NAVYA SHETTY	Infosys Ltd.,		MEGHA S SAMAGA	Wipro Limited, SLK Software Services Pvt. Ltd.,	
AVANI	Cognizant Technology Solutions, Wipro Limited,		VIBHA UDUPA	Access6 Technologies,	
SAMANVITHA A BHAGAVATH	Mu Sigma Business Solutions Pvt. Ltd., Juego Studio Pvt. Ltd.,		HARIPRIYA S AITHAL	Juego Studio Pvt. Ltd.,	
RAJATH	Juego Studio Pvt. Ltd.,		CHAITHRA K PAI	Wipro Limited, Bengaluru Specbee Consulting Services Pvt. Ltd	
PRAGATHI M.K	Mindtree Ltd., Pathfront,		U NAGENDRA	SLK Software Services Pvt. Ltd.,	
H ANUSHA PRABHU	PathFront, Wipro Limited,				

Name	Company		Name	Company	
AISHWARYA C	PathFront, Diya System Pvt. Ltd. ETHNUS Consultancy Service Pvt. Ltd.,		SWATHI A KARKERA	PathFront, Usha Armour Private Limited, QSpiders Software Testing Center, Legal Desk,	
AKSHITA SALIAN	Robosoft Technologies Pvt. Ltd.,		SAHANA UDUPA	Wipro Limited, Tayana Software Solutions Private Ltd	
CHAITHANYA PADMASHALI	PathFront,		SADHVI BHAT	Access6 Technologies,	
PRAJNA	PathFront,		SWASTIKA S SANIL	Mphasis Ltd., PathFront	
DHANUSHREE	SLK Software Services Pvt. Ltd.,		NEHA KRISHNAMURTHY	PathFront, Diya Systems Pvt. Ltd., IDBI Federal Life Insurance Company Limited	
SWATHI G	Tata Consultancy Services Ltd., Specbee Consulting Services Pvt.Ltd.,		NOOTANA GOVIND HEBBAR	PathFront, ETHNUS Consultancy Services Pvt. Ltd,	
JENISIA DSOUZA	Wipro Limited,		SINCHANA RAO	Access6 Technologies,	
VARUN RAO B	Specbee Consulting Services		PAVITHRA	Mphasis Ltd.,	
DANEENA DEEKSHA DSOUZA	Wipro Limited, Tayana Software Solution Pvt. Ltd		B K MANOJ	PathFront, Infosys Ltd., LegalDesk,	

DIVYASHREE	Aradhya's Brilliance Center (ABC),	
SHILPA	Aradhya's Brilliance Center (ABC), QSpiders Software Testing Center,	
MEGHANA H PRABHU	Diya Systems Pvt. Ltd., Prueba India Software Pvt. Ltd.,	
NAHUSH S SHETTY	Diya Systems Pvt. Ltd.,	
ANUSHA S KUMARI	IDBI Federal Life Insurance Company Limited	
KAVYA SHETTY	IDBI Federal Life Insurance Company Limited QSpiders Software Testing Center,	
SHWETHA	IDBI Federal Life Insurance Company Limited	
ATHFIN	Amazon	
AKSHATHA	QSpiders Software Testing Center,	

AKSHATHA	LegalDesk,	
SHALINI TIMMANNA BHAT	LegalDesk,	
TANIA AROZA	LegalDesk,	
SWATHI U	Extramarks Education India Private Limited	
SAGARIKA SHETTY	Extramarks Education India Private Limited	

STAFF ACCOMPLISHMENTS

Dr. Vasudeva

- Selected as Treasurer of IEEE Mangalore Sub Section for the year 2019
- Gave an invited talk on "Career after PUC in Science stream" in Rajangana, Udupi Shri Krishna Matha as part of the career guidance program organized by Udayavani on 01 May, 2019.

- Participated as a judge in I2CONNECT, an intercollegiate project exhibition & competition organized at PES Institute of Technology & Management, Shivamogga in association with Mangalore Sub Section on 11 May, 2019.
- Gave an invited talk on "Mathematical aspects of temples" in Rajangana, Udupi Shri Krishna Matha as part of "Vijnana Gopuram" during "Suvarna Gopuram Samarpana" program on 02 June, 2019.

- Published a paper titled "A Comprehensive Review Of Neural Network Assisted Machine Vision System For Automatic Fruit Sorting And Grading" in the journal Global Journal Of Engineering Science And Researches, 1 (2019), 321-328 (with Mr. Dheeraj H)
- Participated as judge of Final year project exhibition "Technova-2019" held at NMAM Institute of Technology, Nitte on 16 April, 2019.
- Chaired a paper presentation session in NCETSE-2019 held at SMVITM, Bantakal from 25 to 27 April, 2019.

Mr. Nagaraj Bhat

- Shree Vidhya. S, Swathi. G, Rachana, Shalini Timmanna Bhat and Nagaraj Bhat (2019), Monitoring and Modelling of River Flood using High Resolution Satellite Image, Proceedings of National Conference on Emerging Trends in Science and Engineering, NCETSE – 2019, 25 – 27 April, 2019.
- Nithesh Shettigar, Goutham Naik, Nandan Nayak, Nithin H A, K C Gouda and Nagaraj Bhat (2019), Soft Computing Approach to Predict Rainfall, Proceedings of National Conference on Emerging Trends in Science and Engineering, NCETSE – 2019, 25 – 27 April, 2019.
- Nithesh Shettigar, Goutham Naik, Nandan Nayak, Nithin H A, K C Gouda and Nagaraj Bhat (2019), Data Visualization for analysing the effect of climate change for Patna city, Proceedings of National Conference on Emerging Trends in Science and Engineering, NCETSE – 2019, 25 – 27 April, 2019.
- Nithesh Shettigar, Goutham Naik, Nandan Nayak, Nithin H A, K C Gouda and Nagaraj Bhat (2019), A Review on methods to identify plant disease using Image Processing and ANN, Proceedings of National Conference on Emerging Trends in Science and Engineering, NCETSE – 2019, 25 – 27 April, 2019.
- Nithesh Shettigar, Goutham Naik, Nandan Nayak, Nithin H A, K C Gouda and Nagaraj Bhat (2019), Deep Learning Techniques Using Data Science, Proceedings of National Conference on Emerging Trends in Science and Engineering, NCETSE – 2019, 25 – 27 April, 2019.

Mr. Adesh N D

- Daneena Deeksha Dsouza, Deepika, Divya P Nayak, Elveera Jenisha Machado, Adesh N.D "Sentimental Analysis of Student Feedback using Machine Learning Techniques". International Journal of Recent Technology and Engineering (IJRTE), vol. 8, no. 1S4, pp 3149–3166, June 2019. (Scopus)

NEWS LETTER
Department of Computer Science and Engineering
VOL:4   **ISSUE:2**   **YEAR: 2018-19**

SMVITM

Mr. Venugopala Rao A S

- Attended 5 days FDP on Big Data Analytics held at New Horizon College of Engineering, Bengaluru between 21 to 25 January 2019.
- Presented a paper "3-D Reconstruction of Mandible using Panoramic X-Ray" in NCETSE-2019 Held at SMVITM Bantakal
- Co-chaired a paper presentation session in NCETSE-2019 held at SMVITM, Bantakal from 25 to 27 April, 2019.

Mr. Shrinivasa

- Presented a paper titled "Transport Vigilance and Fine Automation" during the National Conference on Emerging Trends in Science and Engineering (NCETSE-2019) held at SMVITM, Bantakal, during April 2019.

Ms. Yashaswini Jogi

- Presented a paper titled "Review on visible light communication" at National Conference on Emerging Trends in Science and Engineering (NCETSE-2019) held at SMVITM, Bantakal, during April 2019.
- Successfully completed NPTEL course and FDP "Computer Organization and Architecture: A Pedagogical Aspect" in the month of April 2019.

Ms. Sahana

- Presented a paper titled "Optical Character Recognition" during the National Conference on Emerging Trends in Science and Engineering (NCETSE-2019) held at SMVITM, Bantakal.
- Successfully completed NPTEL Course and attended FDP titled "Effective Engineering Teaching in Practice" in the month 0f March 2019 with Elite Silver Tag
- Successfully completed NPTEL Course and attended FDP titled "Introduction to Research" in the month of April 2019 with Elite Silver Tag.

Mr. Manoj T

- Attended 6 day FDP on Big Data Analytics with Hadoop organized by E&ICT Academy, NIT Warangal at SDMIT, Ujire from 7th to 12th January, 2019.
- Presented a paper titled "Ambient Assisted Living: A Review on Human Activity Recognition and Vital Health Sign Monitoring Using Deep Learning Approaches" in NCETSE-2019 held at SMVITM Bantakal
- Presented a paper titled "Diet Recommendation System for Chronic Disorders" in NCETSE-2019 held at SMVITM Bantakal.
- Manoj T, Dr. Thyagaraju G S "Ambient Assisted Living: A Research on Human Activity Recognition and Vital Health Sign Monitoring using Deep Learning Approaches", International Journal of Innovative Technology and Exploring Engineering, Volume-8, Issue- 6S4, April 2019. Page No.: 531-540.

Ms. Tejaswini H

- Attended 3 day FDP on BIG DATA at SJEC, Vamanjoor from 17th-19th Jan 2019.
- Successfully completed NPTEL course and FDP 'Joy of computing using Python' with Elite Silver tag in the month of April 2019.
- Presented paper titled "Fake Image Recognition using Metadata and Error Level Analysis using Machine Learning" in NCETSE-2019 held at SMVITM Bantakal

Mr. Sharath Kumar

- Successfully completed NPTEL course and FDP 'Introduction to Automata, Languages and Computation' with Elite Silver tag in the month of April 2019.

Ms. Sneha N S

- Attended a STTP through ICT mode on "Development of Laboratory Instruction

and Manual", organized by NITTTR, Kolkata, from 4th Feb 2019 to 8th Feb 2019.

- Participated in a three day FDP on "Project Based Learning Using MATLAB and SIMULINK", held at St. Joseph Engineering College, Mangalore from 7th to 9th January 2019

- Obtained "Elite" certificate in the NPTEL course titled "PRIVACY AND SECURITY IN ONLINE SOCIAL NETWORKS" in the month of April 2019

- Presented a paper titled "Virtual Ogma –A Realtime Strategy Game with Speech Control" at National Conference on Emerging Trends in Science and Engineering(NCETSE-2019) held at SMVITM, Bantakal, during April 2019

Ms. Sindhura D N

- Successfully completed NPTEL course and FDP 'Joy of computing using Python' with Elite Silver tag in the month of April 2019

- Successfully completed NPTEL course and FDP 'Privacy and Security in Online Social Media' with Elite Silver tag in the month of April 2019.

Ms. Rukmini Ballal

- Successfully completed NPTEL course and FDP 'Joy of computing using Python' with Elite Silver tag in the month of April 2019.

Ms. Sowmya S

- Attended a STTP through ICT mode on "Development of Laboratory Instruction and Manual", organized by NITTTR, Kolkata, from 4th Feb 2019 to 8th Feb 2019.

- Participated in a three day FDP on "Project Based Learning Using MATLAB and SIMULINK", held at St. Joseph Engineering College, Mangalore from 7th to 9th January 2019

- Successfully completed NPTEL course and FDP 'Joy of computing using Python' with Elite Silver tag in the month of April 2019.

Outgoing student batch –Section –A

Outgoing student batch –Section –B

Department of Computer Science & Engineering

SMVITM

Address for communication:

Department of Computer Science and Engineering
Shri Madhwa Vadiraja Institute of Technology and Management,
Vishwothama Nagar, Bantakal
Udupi - 574 115
Karnataka, India.
Phone:
+91 820 2589182
+91 820 2589183
Extension: 213
Email: cs@sode-edu.in

NEWSLETTER

Department of Computer Science & Engineering

VOL:4   ISSUE:1   YEAR:2018-19

NEWSLETTER

Department of Computer Science & Engineering

VISION

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

MISSION

To educate the Computer Science Engineering aspirants with basic and advanced technologies, who can make a difference in competitive environments, continuously improve their technological skills, communicate effectively and be faithful to ethical values.

PROGRAMME EDUCATIONAL OBJECTIVES

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

PROGRAMME OUTCOMES

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

NEWSLETTER

Department of Computer Science & Engineering

PROGRAMME SPECIFIC OBJECTIVES

At the end of the programme graduates will –

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

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

Major Departmental Activities

Career Prospects after engineering

Student chapter of ISTE of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal conducted a program on 'Career Prospects after Engineering' for the 3rd Semester students on 29 August, 2018.

Mr. Rajath spoke on entrepreneurship, job prospects in software engineering and technical certifications available for the aspirants. Mr. Haripriya Aithal spoke on opportunities in Government/ Public Sector Institutes like ISRO, BARC, DRDO as well as in Banks. Ms. Samanvitha Bhagavath gave information about the selection process for UPSC (IAS, IPS, IFS, IES) and Staff Selection Commission. Mr. Shrivishnu talked about GRE, TOEFL, GATE, CAT, and GMAT.

NEWSLETTER

Department of Computer Science & Engineering

Mock Placement Interview

Mock placement interview for the students of final year CSE was conducted on 08-Sep-2018 by the Department of Computer Science of Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal.
The mock interview included:
General Aptitude - MCQs in round 1, Coding using C/C++ in round 2 and Technical + HR interview in round 3.
Three parallel sessions on Technical and HR interview were conducted by Dr. Vasudeva (HOD), Mr. Manoj T as well as Ms. Tejaswini H, Assistant Professors of the department of Computer Science and Engineering.
The process was concluded by a discussion about feasible solutions to the problems by Mr. Shrivishnu.

Value added course on Communication Skills development by Language Lab/CCC

The language lab/CCC committee of the department of CSE conducted a value added course on communication skill development from the month of July till December 2018 for the 5th semester students of CSE. The sessions were engaged by Ms. Yashaswini Jogi and Ms. Sahana, Assistant Professors of the department of CSE.

NEWSLETTER

Department of Computer Science & Engineering

MENTORING in ATAL TINKERING LABS:

Department of Computer Science and Engineering started mentoring students in ATAL Tinkering Lab (ATL), which is an approach of the Central government of India to create an environment of scientific temperament, innovation, creativity amongst Indian Students. It is a step towards a new India With an intention to create a scientific temperament and cultivate the spirit of curiosity and innovation among the youth.

Under the guidance of Dr. Vasudeva department of Computer Science & Engineering along with other departments have reached few remote schools as well as pre-university colleges in the vicinity of Udupi district and is trying to kindle interest about technology among the students.

So far department of CSE is successfully mentoring students of Government P U College of Bailuru, Government P U College of Hiriadka, Government P U College of Brahmavara and Shri Durga Parameshwari Temple P U College of Kateel via Atal Tinkering Lab.

NEWSLETTER

Department of Computer Science & Engineering

Alumni Talk by Ms. Vani V Bhat

Ms. Vani V Bhat , former student of SMVITM and currently a Trainee Project Analyst in Juego Studio of Mangalore shared her journey from the institution to the industry with pre-final year students in an alumni interaction activity, arranged by the Department of Computer Science and Engineering in association with the Alumni Cell, on 15 September, 2018.

Ms. Tejaswini H, welcomed the gathering and introduced the speaker to the audience. Dr. Vasudeva, HOD, Department of CSE presented the memento to the Guest speaker and Ms. Anujna Rao delivered vote of thanks.

Video Editing Competition – 'Edit-O-Mania'

The ISTE Student Chapter of SMVITM, in association with the department of Computer Science and Engineering conducted a 'Video Editing Competition - Edit-O-Mania' on Saturday 29th September 2018 for the students of all branches of the institution.

Deepak Nayak of 2nd year CSE bagged the first place and Varun Rao of final year CSE won the second spot.The event was coordinated by Ms. Chaithra Pai , Ms. Samnvitha Bhagavath and Mr.Rakshith, students of the department of Computer Science and Engineering.

NEWSLETTER

Department of Computer Science & Engineering

IEEE Student Branch Inaugurated at SMVITM Bantakal

Student branch of IEEE (Institute of Electrical and Electronics Engineers) was inaugurated at Shri Madhwa Vadiraja Institute of Technology and Management, Bantakal on 19 September, 2018. Dr. Muralidhar Kulkarni, Senior member of IEEE and Professor of ECE Department, NITK Surathkal was the chief guest of the function. Shri Rathnakumar, Secretary, SSVMET, Udupi presided over the function. In his inaugural address Prof. Kulkarni said about the multifarious benefits if one affords to become an IEEE member. Prof. Vasudeva, Student branch counsellor introduced the officers of the student branch to the gathering.

In his presidential address, Shri RathnaKumar congratulated the IEEE Student Chapter of the institution and principal Dr. Thirumaleshwara Bhat wished all the success in near future.

Mr. Shrivishnu, Chair, Student Branch welcomed the gathering and Ms. Prerana P, Treasurer proposed the vote of thanks.

Clash of Codes

This event was organized under the aegis of IEEE Student Chapter as well as CodeTroopers Student club for the enthusiasts in programming on October 6, 2018. Mr.Gautam Naik of 5th semester CSE bagged the first place and Steve Neil Martis of 5th semester, CSE secured second.

NEWSLETTER

Department of Computer Science & Engineering

Alumni Talk by Mr. Karthik Bhat

Department of Computer Science and Engineering in association with Alumni Cell had organized an alumni interaction activity for the students of final year CSE on 06 October, 2018.

Mr. Karthik Bhat, Engineer in Mindtree of Bengaluru and a former student of SMVITM was the speaker, said about his current job profile, it's various types, dimensions and differences. Mr. Karthik also explained about various tools, programming languages and necessary frameworks to develop useful projects.

Ms. Tejaswini H. welcomed the gathering and introduced the speaker to the audience. Dr. Vasudeva, HOD, Department of CSE presented the memento , Ms. Anujna Rao delivered vote of thanks.

First Look- Poster Presentation by Language Lab/CCC

Language Lab of SMVITM had organized a poster presentation competition in the Central Computer Centre of the department of Computer Science and Engineering on October 03, 2018.

Mr. Nagraj Bhat & Ms. Priyanka, Assistant Professors of the department of CSE were the judges for the event. Mr. Sumantha of final year Civil Engineering bagged the first place and Mr. Vishwas got second.

NEWSLETTER

Department of Computer Science & Engineering

Embark your journey of Python Programming

ISTE Student Chapter had organized a two-day hands-on workshop on 'Embark your journey of Python Programming' for the students of the institution from 22nd to 23rd October 2018.

Dr.Vasudeva, Head and Professor, Dept. of CSE, highlighted the need of mastering problem solving techniques with programming languages both academia as well as industry in his opening remarks.

Mr.Manoj T, Assistant Professor, Dept. of CSE and Ms.Tejaswini H, Assistant Professor, Dept. of CSE were the resource persons for the workshop. The overall program was coordinated by Dr.Vasudeva, Head and Professor, Dept. of CSE along with the the IEEE Student Chapter volunteers.

Enhancing Communication Skills

A one-day workshop on Enhancing Communication Skills for the V semester students CSE was organised at the Institute premises on 31 October 2018.

The Chief Resource person, Ms. Neetha Kishore, Professor, Department of English was assisted by Ms. Yashaswini Jogi and Ms. Sahana Karanth, Assistant Professors, Department of CSE in conducting the workshop.

Giving useful tips to improve the communication skills Ms.Neetha Kishore made a presentation on spoken English as well. The program was concluded by Ms. Sahana Karanth.

NEWSLETTER

Department of Computer Science & Engineering

National Level Student Convention/Project Exhibition on Industrial Internet of Things(IIOT – 2K18)

Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal, under the aegis of the Student Chapters of the Indian Society for Technical Education (ISTE), Internet of Things (IoT) Club and IEEE together had organized a National Level Student Convention/Project Exhibition on Industrial Internet of Things (IIOT - 2K18) at the institute premises on 27th October 2018. More than 40 teams from various Engineering colleges across the state exhibited their project models in the event.

The Convention cum Exhibition was inaugurated by the Chief Guest Mr. Rathan Rao Pathur, Chief Technical Officer, Tayana Software Solutions, Bengaluru and the Guest of honor Mr. Krishnaraja, Director, Infosys Technologies, Mangaluru along with Dr. Radhakrishna S. Aithal, GC Member, Shri Sode Vadiraja Mutt Education Trust (SSVMET) who presided over the function. Prof. Dr. Thirumaleshwara Bhat, Principal and Dr. Vasudeva, Convener – IIoT 2K18 were also on the dais.

Mr. Rathan Rao Pathur said that, a project is a continuous process which gradually leads to a product. Technology has made life easy as well as as lazy, so science, technology and life should go together, he said. Key to success is through right decisions which are gained by experience drawn from wrong decisions, he added.

Later, Mr. Krishnaraja expressed his happiness to have chosen IoT itself as a theme, he also suggested the students to transform to individuals who could contribute towards the society.
In his Presidential Address, Dr. Radhakrishna S. Aithal spoke about the history and gradual evolution of IoT in this institute under his tenure. He stated that our institute was the pioneer in launching events of IoT in this belt and to have made popular in the coastal region.
Rakesh Shiriyara, CISCO Systems India Pvt. Ltd. ,Shripad Hebbar, Principal Architect, Robosoft Technologies, Udupi, Chandrakant Sakharwade, Scientist, Pavitra Nayak, Alumni of SMVITM and Software Engineer, Manipal Dot Net, Manipal and Siju V Soman, Former Asst. Professor of SMVITM, Chandrashekar Rao Kuthyar, Lead Consultant of Sangam One Pvt. Ltd. were the jury members for Project Exhibition and Student Convention respectively.

In the valedictory, Dr. Prashanth Bhat Chief Technical Officer, Manipal Dot Net,Manipal, was the chief guest. Congratulating all the participants in his address he said about the various technological challenges in the field of IOT and later he appreciated the quality of the projects that were exhibited in this symposium.
First prize was bagged by the team of Deepak Nayak, Ullas,Sourabh Shetty and Abhijith Serigara of second year CSE, second prize was earned by Yahya Asadi, Poojary Shubham and C Gagan Babu of second year. Team of Shetty Latish Bhaskar ,Mahesh Acharya, Reevan Nelson Lobo of final year; team of Preetham , Harish Acharya , Shrivathsa Acharya and Nikhilesh of first year and team of Vimitha,Y V Sneha ,Vaishali and Rieona Fernandes of third year got consolation prizes.

NEWSLETTER

Department of Computer Science & Engineering

NEWSLETTER

Department of Computer Science & Engineering

Technical Talk by Mr. Krishnaraja, Infosys, Mangaluru

Mr. Krishnaraja, Director, Infosys Technologies, Mangalore addressed the students on the topic "Recent developments and trends in IT industry" at Shri Madhwa Vadiraja Institute of Technology and Management, on 27 October, 2018.

Infosys Industrial Visit

A one day industrial visit to Infosys Nethra Campus located at Mudipu, Mangaluru was jointly organized by IEEE Student Chapter and ISTE Student Chapter for the final year students of CSE on 12 November 2018. Totally 83 students from the department of CSE visited the campus accompanied by three faculty members Mr.Venugopal Rao A S, Mr.Manoj T and Ms.Swathi Prabhu.

During the visit, students were had an introductory session to the products as well as services, work culture and CSR activities of Infosys by Ms.Veena Amrith, Senior Member, Education Training and Assessment of Infosys. Later, technical sessions were held by Mr.Suryanarayana and Mr.VipinSai, Lead Trainers of Infosys, where they emphasized the need for continuous learning and upscaling of trending technologies such as Robotic Process Automation, Blockchain Technology,Cloud storage etc.

A brief campus tour was taken later where the students were shown the general workflow of a software industry.

Placement details of the department of Computer Science and Engineering:

A decent number of students of the department of Computer Science and Engineering are already placed in various firms in campus drives held recently. Following are the list of students who got placed in during campus recruitment process:

NEWSLETTER

Department of Computer Science & Engineering

#	STUDENT NAME	NAME OF THE FIRM
1	AKSHITA SALIAN	Robosoft Technologies Pvt. Ltd, Udupi
2	AMANDA JANICE GOMES	Robosoft Technologies Pvt. Ltd, Udupi
3	APOORVA R	Robosoft Technologies Pvt. Ltd, Udupi
4	BLESSWIN ISWIDOL	Robosoft Technologies Pvt. Ltd, Udupi
5	CHAITHRA K PAI	Specbee Consulting Services Pvt. Ltd, Bengaluru
6	SWATHI G	Specbee Consulting Services Pvt. Ltd, Bengaluru
7	VARUN RAO B	Specbee Consulting Services Pvt. Ltd, Bengaluru
8	DHANUSHREE	SLK Software Services Pvt. Ltd., Bengaluru
9	K.SRIDEVI.RAO	SLK Software Services Pvt. Ltd., Bengaluru
10	MEGHA S SAMAGA	SLK Software Services Pvt. Ltd., Bengaluru
11	U NAGENDRA	SLK Software Services Pvt. Ltd., Bengaluru
12	DANEENA DEEKSHA DSOUZA	Tayana Software Solutions Pvt. Ltd.
13	SAHANA UDUPA	Tayana Software Solutions Pvt. Ltd.
14	SWATHI G	Tata Consultancy Services Ltd
15	PAVITRA	Mphasis Limited, Bengaluru.
16	SWASTIKA	Mphasis Limited, Bengaluru.
17	SAGAR	Mphasis Limited, Bengaluru.
18	AISHWARYA C	PathFront, Bengaluru
19	CHAITHANYA PADMASHALI	PathFront, Bengaluru
20	H ANUSHA PRABHU	PathFront, Bengaluru
21	NAVYA V. PAI	PathFront, Bengaluru
22	NEHA KRISHNAMURTHY	PathFront, Bengaluru
23	NOOTANA GOVIND HEBBAR	PathFront, Bengaluru
24	PRAGATHI M.K	PathFront, Bengaluru
25	PRAJNA	PathFront, Bengaluru
26	SHILPA BHAT	PathFront, Bengaluru
27	SHREYA U K RAO	PathFront, Bengaluru
28	SUSHMITHA	PathFront, Bengaluru
29	SWASTIKA S SANIL	PathFront, Bengaluru
30	SWATHI A KARKERA	PathFront, Bengaluru
31	B K MANOJ	PathFront, Bengaluru
32	HARIPRIYA S AITHAL	Juego Studio Pvt. Ltd
33	SAMANVITHA A BHAGAVATH	Juego Studio Pvt. Ltd
34	RAJATH	Juego Studio Pvt. Ltd
35	AVANI	Wipro Limited, Bengaluru
36	CHAITHRA K PAI	Wipro Limited, Bengaluru
37	DANEENA DEEKSHA DSOUZA	Wipro Limited, Bengaluru
38	H ANUSHA PRABHU	Wipro Limited, Bengaluru
39	JENISIA DSOUZA	Wipro Limited, Bengaluru
40	MEGHA S SAMAGA	Wipro Limited, Bengaluru
41	SAHANA UDUPA	Wipro Limited, Bengaluru
42	SWATHI G POOJARY	Wipro Limited, Bengaluru
43	POOJA K R	Wipro Limited, Bengaluru

NEWSLETTER

Department of Computer Science & Engineering

Student Achievements:

Prajna Nayak was honoured with gold medal for being in the topper in 2014-18 batch in Computer Science & Engineering Branch during Graduation Ceremony held on 4 November, 2018. His Holiness Shri Shri Vishwavallabha Theertha Swamiji honoured her with the medal sponsored by S L Shet Jewellers, Mangaluru. To commemorate her achievement, she planted a sapling in the campus.

Hensen Clyde Lobo of second year Computer Science and Engineering won first prize in photography competition which was held at MITE Moodbidri on 6 Oct 2018, as part of 15th ISTE State Level Student Convention-2018.

3. Ms. Chaithra K Pai, a VII Semester Computer Science & Engineering student of Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal was given the 'Best Student Award' during the 15th ISTE State Level Annual Student Convention 2018 held on Saturday, 06 October 2018 at Mangalore Institute of Technology, Moodabidri. Dr. C K Subbaraya, Chairman of ISTE Karnataka section honored the student during the inaugural ceremony of ISTE Annual student convention.

Ms. Sahana Udupa of 7th semester CSE won 2nd place in Classical Vocal Solo singing competition in 'Janani 2018-VTU Youth Fest' held at Bheemanna khandre Institute Of Technology, Bhalki from 2nd to 4th November, 2018.

Mr. Ranjan, Mr. Shreekara and Mr. Trivikram Bhat of the department of CSE secured 2nd place in Folk Orchestra of ' Janani 2018-VTU Youth Fest' held at Bheemanna khandre Institute Of Technology, Bhalki from 2nd to 4th November, 2018.

Mr. Shreekara of 5th semester, CSE secured 3rd place in Rangoli competition in ' Janani 2018-VTU Youth Fest' held at Bheemanna khandre Institute Of Technology, Bhalki from 2nd to 4th November, 2018.

NEWSLETTER

Department of Computer Science & Engineering

The following students of Computer Science & Engineering participated and won prizes in Joshiana 9.0, National Level Technical Fest, held at St. Joseph Engineering College, Vamanjoor, Mangaluru on 27 and 28 September, 2018.

Shri Vishnu - Ist Prize in Coding
Rajath Ashutosh Kumar - Ist Prize in Video Editing
Yahya Asadi - Ist Prize in Product Launch
Raunak Chaudhary and Ahmad Faheem - 2nd Prize in IT Parliament
Steve Neil Martis - 2nd Prize in Video editing

NEWSLETTER

Department of Computer Science & Engineering

Staff Accomplishments

Dr. Vasudeva

● Chaired a technical paper presentation session on Distributed Computing in DISCOVER-2018, an IEEE International Conference on Distributed Computing, Communications, VLSI, Electronic & Electrical circuits and Robotics held at Mangalore Institute of Technology & Engineering, Moodabidri from 13 to 14 august, 2018

● Participated in IEEE Conference on All India Students, Young professionals, Women in Engineering Congress from 28 - 30 September, 2018 held at Vidya Vikas Institute of Engineering and technology, Mysuru.

● Participated as judge for the science model exhibition held at Anandatheertha Vidyalaya, Pajaka on 13 november, 2018

● Selected as Treasurer of IEEE Mangalore Sub section for the year 2019 (January - December).

NEWSLETTER

Department of Computer Science & Engineering

Ms. Tejaswini H

- Attended a faculty development program on "Machine Learning", from 23-27 July, 2018, at SJEC, Mangalore.
- Participated in workshop on Special Lecture Series: "IEEE Day" on 2 October 2018 at Manipal Dot Net Pvt. Ltd.
- Successfully completed "Introduction to Machine Learning" NPTEL Online course.
- Conducted workshop on "Embark your journey of Python Programming", on 22, 23 October 2018 and 1 November 2018 at SMVITM, Bantakal.

Mr. Manoj T

- Attended a faculty development program on "Machine Learning", from 23-27 July, 2018, at SJEC, Mangalore.
- Attended a faculty development program on "Artificial Intelligence and Deep Learning" on 11-13 August, 2018 at KLE University, Hubballi.
- Participated in workshop on Special Lecture Series: "IEEE Day" on 2 October 2018 at Manipal Dot Net Pvt. Ltd.
- Participated in workshop on "IEEE Summit on Technology Trends and Advancements in Healthcare" on 17 November 2018 at CEC, Mangaluru.
- Successfully completed "Introduction to Machine Learning" NPTEL online course with elite grade.
- Conducted workshop on 'Embark your journey of Python Programming', on 22, 23 October 2018 and 1 November 2018 at SMVITM, Bantakal.

Mr. Venugopala Rao A S

- Attended a faculty development program on "Computer Networks and Cyber Security" from 16-20 July 2018 at SJCE Mysuru.

Mr. Praveen M Naik

- Attended a faculty development program on "Internet of Things", on 7th-8th September 2018 at RVCE, Bengaluru.

Ms. Sneha N S

- FDP on "Introduction to Basic Spoken Sanskrit" from August 2018-September 2018 conducted by NPTEL online course.
- Obtained "Elite" Grade in NPTEL online certification for the course "The Joy of Computing using Python".
- Obtained "Elite" Grade in NPTEL online certification for the course "Introduction to Basic Spoken Sanskrit".

Mr. Deepak Rao M.

- Participated in workshop on Special Lecture Series: "IEEE Day" on 2 October 2018 at Manipal Dot Net Pvt. Ltd.

NEWSLETTER

Department of Computer Science & Engineering

Mr. BN Ramachandra

● Attended a TEQIP-III sponsored one day state level Train the Trainer workshop on 'Challenges and Opportunities in the Implementation of NSS in the Present Scenario' in BMSCE, Bengaluru on September 26, 2018.

Mr. Jayaram CV

Participated and won the prizes in Inter District Masters Athletic Championship - 2018 held on 11 November 2018 at Mahatma Gandhi Stadium, Ajjerkad, Udupi, which was organized by Udupi Masters Athletic Association (Regd).
1) Long Jump (4.64 Mts) - 1st Place
2) High Jump(1.35 Mts) - 2nd Place
3) Race(100 Mts) - 2nd Place

NEWSLETTER

Department of Computer Science & Engineering

Farewell to two teaching and one non-teaching staff:

Department of Computer Science and Engineering bidded farewell for two teaching faculty and one lab instructor in this semester.

Mr. Bhaskar, lab instructor of the department of CSE got relieved from the duties for better career prospects on November 30, 2018.

Ms. Shiny Melita DSouza, Assistant Professor of the department of CSE got relieved from the duties on December 15, 2018 as well as Mr. Jayaram CV, Senior Assistant Professor of the department of CSE got relieved from the duties on January 31, 2019. The management, principal, HOD and all the staff extend their best wishes to all for future endeavors.

NEWSLETTER

Department of Computer Science & Engineering

Address for communication:

Department of Computer Science and Engineering
Shri Madhwa Vadiraja Institute of Technology and Management
Vishwothama Nagar, Bantakal
Udupi - 574 115
Karnataka, India.
Phone:
+91 820 2589182
+91 820 2589183
Extension: 213
Email : cs@sode-edu.in