

DEPARTMENT OF
COMPUTER SCIENCE & ENGINEERING

NEWSLETTER



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SMVITM

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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
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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

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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 2021 to 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. Ameer, 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. Anyana 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. Anyana 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

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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.



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