# 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.

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## 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.
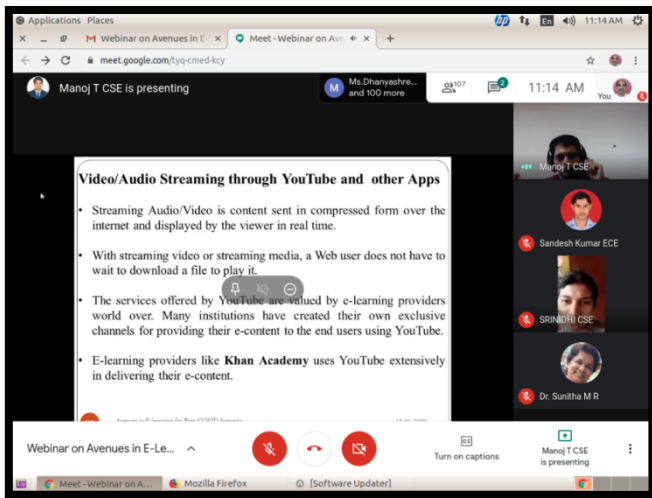


Mr. Deepak Rao M. coordinated the event. Over hundred participants form various Engineering Colleges and industries across the globe attended and benefited from this webinar.

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
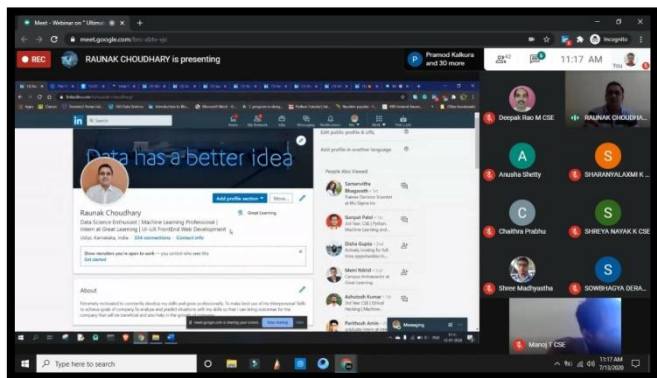


Department of Computer Science and Engineering in association with ISTE Student Chapter of SMVITM, Bantakal organized a webinar on "Ultimate Secrets of Linkedin" through Google Meet.

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.
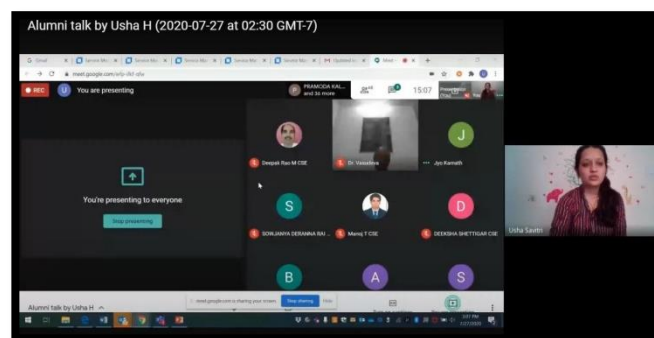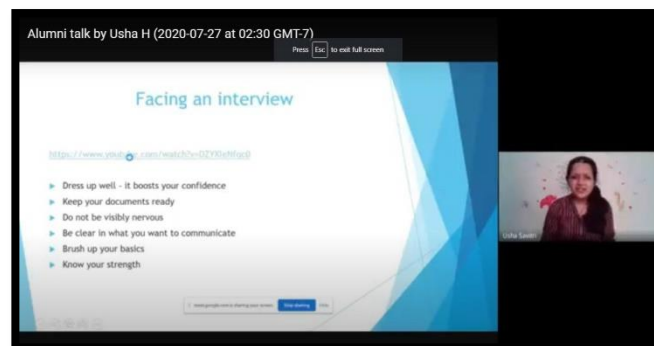




The Alumni Cell of the Shri Madhwa Vadiraja Institute of Technology and Management in association with ISTE Student Chapter has organized an interactive session between the students of the college and the best outgoing student of the year 2016 Ms. Usha H. on 27 July 2020 at 2.30 PM through Google Meet.

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.
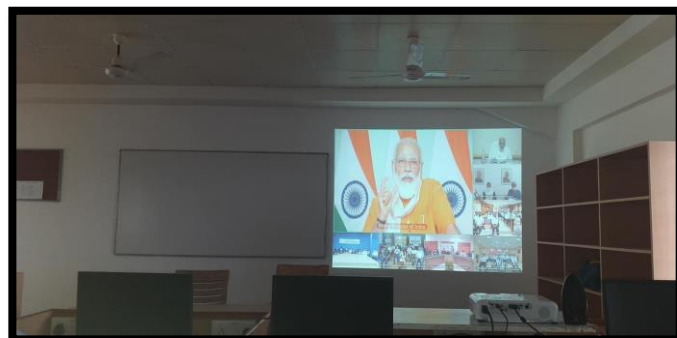




## Academic Toppers

### 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 10<sup>th</sup> and 11<sup>th</sup> 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 10<sup>th</sup> and 11<sup>th</sup> 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 4<sup>th</sup> 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 10<sup>th</sup> and 11<sup>th</sup> 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.

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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.
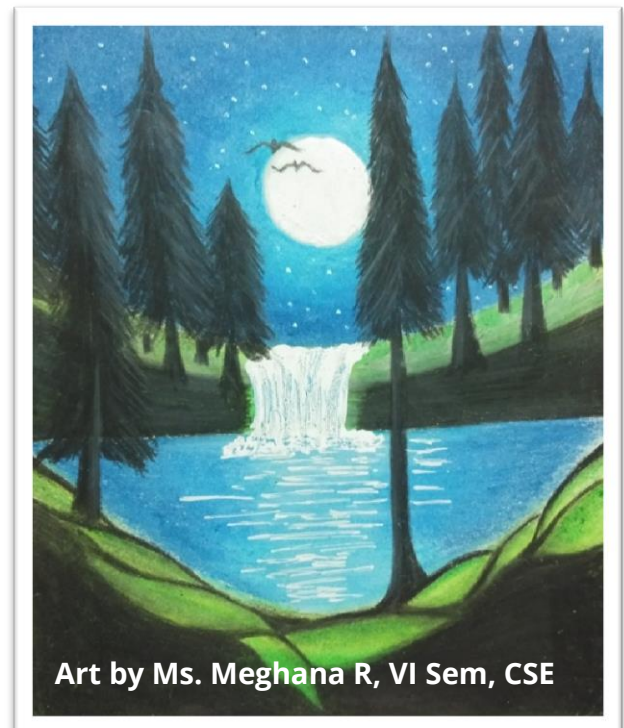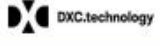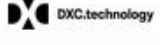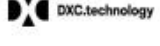


**Art by Ms. Meghana R, VI Sem, CSE**

## Placed Students of CSE

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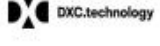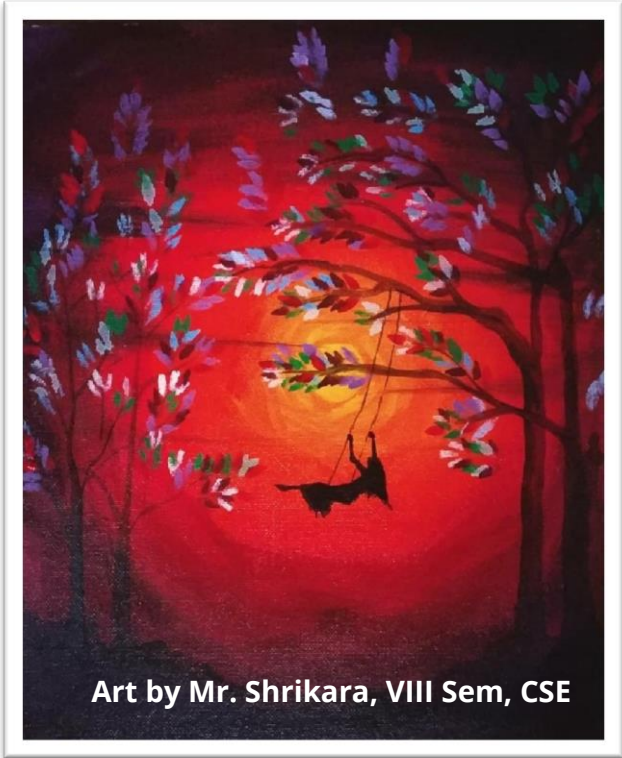| NAME | COMPANY NAME | PHOTO | COMPANY LOGO |
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| VISHWASINI | AceMicromatic Manufacturing Intelligence Technologies Pvt. Ltd., Bengaluru | | Ace Micromatic Group |
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| MANASA S | DXC Technology, Bengaluru | | DXC.technology |
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| 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 |
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| ANUPRIYA | KodNest Technologies Pvt. Ltd., Bengaluru | | KodNest |

## Outgoing Batch



A section

B section



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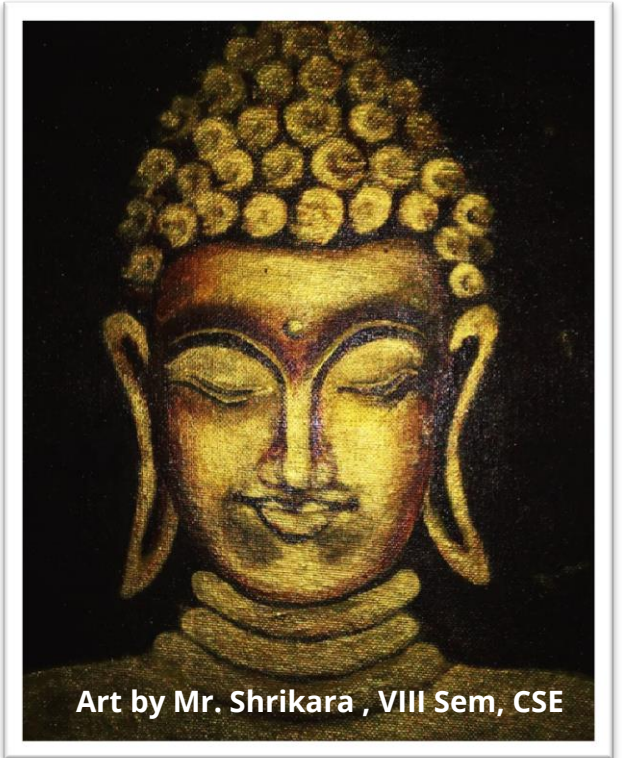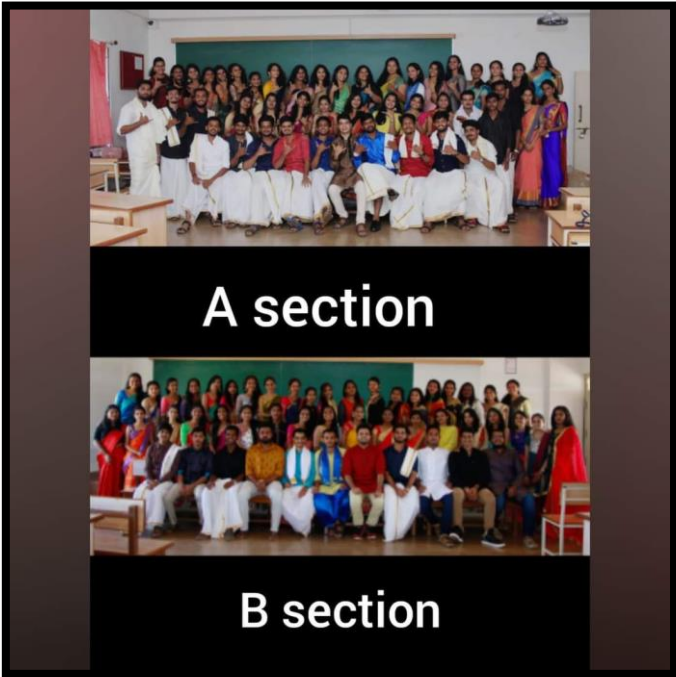
# Department of Computer Science and Engineering

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

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