



BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

(Autonomous Under VTU)

(Accredited By National Assessment & Accreditation Council (NAAC))
(Approved by AICTE, New Delhi & Affiliated to Visvesvaraya Technological University,
Belagavi)

Doddaballapura Main Road, Avalahalli, Yelahanka, Bengaluru-560064

INCLUDE <CSE.H>

Volume 4, Issue 1

NEWSLETTER, JULY-DECEMBER 2021

Department of

COMPUTER SCIENCE & ENGINEERING

Accredited by National Board of Accreditation

Vision

To develop technical professionals acquainted with recent trends and technologies of computer science to serve as a valuable resource for the nation/society.

Mission

Facilitating and exposing the students to various learning opportunities through dedicated academic teaching, guidance, and monitoring.

Program educational objectives

1. Lead a successful career by designing, analysing, and solving various problems in the field of Computer Science & Engineering.
2. Pursue higher studies for enduring edification.
3. Exhibit professional and team-building attitude along with effective communication
4. Identify and provide solutions for sustainable environmental development.

Program Outcomes

1. Engineering knowledge: Apply the knowledge of mathematics, science, engineering fundamentals, and an engineering specialization to the solution of complex engineering problems.
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.
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.
4. 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.
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.
6. The engineer and society: Apply to reason informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues, and the consequent responsibilities relevant to the professional engineering practice.
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.
8. Ethics: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice.
9. Individual and teamwork: Function effectively as an individual, and as a member or leader in diverse teams, and in multidisciplinary settings.
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.

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

1. Analyze the problem and identify computing requirements appropriate to its solution.
2. Apply design and development principles in the construction of software systems of varying complexity.

M.Tech in Computer Science and Engineering

Program Educational Objectives (PEOs)

1. Apply analytical thinking to solve problems through research in the areas of Computer Science engineering.
2. Adapt to changing technological trends through life-long learning by exhibiting professional ethics, integrity, and career growth.
3. Develop skills to facilitate in providing sustainable solutions by addressing the ever-growing challenges of society.

Program Outcomes (POs)

1. Independently carry out research and development work to solve practical problems related to Computer Science and Engineering domain.
2. Write and present a substantial technical report/document.
3. Demonstrate a degree of mastery over the area as per the specialization of the program. The mastery should be at a level higher than the requirements in the appropriate bachelor program.
4. Analyse the acquired domain knowledge for providing a feasible solution(s)
5. Relate the learning outcomes to build requisite competency in a professional environment.
6. Appraise the need for engaging in lifelong learning

HOD's Desk



Dr. Bhuvaneshwari C M
B.E, M.Tech., PhD

I am extremely happy to share with you the progress, Department of Computer Science & Engineering has made during 2021 – 2022 Odd semester. The Department has been one of the most vibrant among all, in terms of students, faculty, facility, placements, internships, and incubation centres. The department is recognized as a Research Centre by VTU and 18 scholars who have enrolled for Ph.D. The department is supported by 34 qualified and experienced faculty members with Nineteen Doctoral degree holders in different domains. The department has a team of highly-skilled, motivated, proficient faculty, and technical staff members who are striving hard continuously to enhance the quality of education.

The department has highly competent students who are undergoing internship in reputed companies getting stipends up to Eighty thousand rupees per month. The Department has adopted the practice of Outcome-Based Education (OBE). The Under Graduate Programme is accredited by National Board of Accreditation (NBA), New Delhi, and Permanently Affiliated to Visvesvaraya Technological University (VTU), Belagavi.

The department has set up student chapters like the IEEE student club and CSI on the campus to bridge the gap between industry and academia with a vision, **"IT for Masses"**, thus enabling IT professionals and computer users to work towards making the profession an area of choice. With this, I am very confident that, the department is poised to take on challenges to meet the industrial and societal needs in years to come...

Teaching Staff



Dr. Bhuvaneshwari C M
B.E, M.Tech.,PhD
Professor & HOD



Dr. Anil G.N
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Professor & Dean (Academics)

Professors



Dr. Thippeswamy G
BE, ME, Ph.D.



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Associate Professors



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B.E, M.Tech,PhD



Dr. Anjan Krishnamurthy
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PG Coordinator



Dr. Sunanda Dixit
BE, Mtech, PhD



Dr. Satish Kumar T.
BE, ME, PhD



Dr.Nagabhushan S.V
B.Sc, MCA, PhD

Assistant Professors



Mrs. Vishakan Yadav
BE, MBA, MSc (Engg. by
Research), (Ph.D)



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B.Tech, M.Tech



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Mrs. Mari Kirthima
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Dr. Arunakumari B N.
BE, Mtech, PhD



Dr. Lakshmi B N
BE, Mtech, PhD



Dr. Manoj H M
BE, Mtech, PhD



Dr. Dhana Lakshmi
B.E., M.Tech, PhD

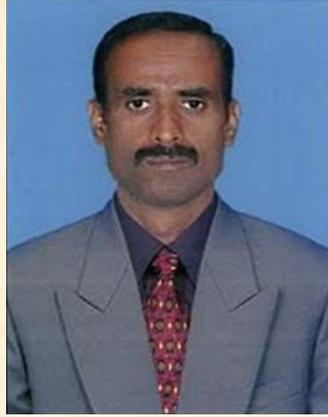


Dr. Archana R A
B.E., Mtech, PhD

NON-TEACHING STAFF'S



Sri. Yatheesh N G
System Analyst



Sri. M. Adinarayana Reddy
Instructor



Smt. Ragini T N
Instructor



Smt. Bhagya. M
Instructor



Sri. Venkatesh Banagaar
Assistant Instructor



Sri. Hari Prasad Pai
Instructor



Sri. Hareesh Naik
Assistant Instructor



Sri. Shivaprasad Honnatappa
Assistant Instructor



Smt. Anitha K
Second Division Assistant

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Department Activities Information

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| 1. | MOU | 02 |
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| 16. | PLACEMENT DETAILS OF CSE 2021-22 | 70+ COMPANIES CLOUDERA-18LPA ENDURANCE-17LPA MONEYVIEW-15LPA GAINSIGHT-14LPA SAP LABS-14LPA ZEE TECH-14LPA |
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MOUS

1. Honeywell Centre of Excellence for Youth Empowerment was inaugurated at BMS Institute of Technology and Management, Bengaluru on 9-11-2021. The centre aims to empower the students of the institution with digital skills such as Big Data Analytics, AI, ML, RPA etc. The Centre of Excellence will train utmost 138 students on advanced technologies, provide global certification from tech giants, facilitating placements for certified students this year.
2. Dr. Radhika K R has been done the MOU with “PV groups of solutions” on 31.08.2021



IEEE INTERNATIONAL CONFERENCE

BMS Institute of Technology and Management, Yelahanka, Bengaluru, India hosted an IEEE international conference on Forensics, Analytics, Big Data and Security FABS 2021 on 21st and 22nd Dec 2021 and the inauguration of this conference was on 21st Dec 2021 at 9 30 am in online mode. The conference was technically co-sponsored by IEEE and hosted jointly by the departments of CSE, ISE, AI & ML, BMSITM in association with IEEE Student Branch BMSITM and IEEE Bangalore Section. The inauguration was presided by Dr. Mohan Babu G N, Principal, BMSITM and General Chair, FABS 2021. The chief guest was Dr. Valentina E Balas, University of Arad, Romania and Guest of honor was Mr. Bindhumadhava, IEEE Chair, IEEE Bangalore Section. The welcome speech was delivered by Dr. Anil G N, Professor and Dean Academics, BMSITM, IEEE conference report was delivered by Dr. Anjan Krishnamurthy, Organizing Chair, FABS 2021. The presidential address was delivered by Dr. Mohan Babu G N, Principal, BMSITM and vote of thanks by Dr. Sunanda Dixit, Organizing Chair, FABS 2021.

International Conference at BMSIT Yelahanka



In the recent times research activities are taking a backseat because of the pandemic, that too conducting conference is a risky job. BMSIT Yelahanka organised a two days International Conference on FABS: Forensics, Analytics, Big Data and Security. The conference was able to attract research paper from active researchers and Industry. Event started with an inaugural address by Dr Valentina E Balas, Professor, University of Arad, Romania. He spoke about the need for research in the area of Forensics, Analytics, Big Data and Security and few research activities happening around the world on this topic. Dr GN Mohanbabu, Principal, BMSIT, in his presidential address said that technology

should provide more opportunity and benefits for the people, more research should happen to uplift their quality of living. He said that BMS Educational trust nurns many educational institutions across disciplines and is committed to serve society by providing quality education and good research facilities. Keynote address was given by Dr.Gang Li, IEEE Senior Member, School of Information Technology, Deakin University, Australia, Guest of honor Dr Bindu Madhav, IEEE chairperson, Bangalore Section, Dean Academics Dr GN Anil Kumar, organizing chief Dr Anjan Krishnamurthy, Vice Principal Dr Govindaraju and many scholars were present on virtual conference.

ಹೊಸ ದಿಗಂತ ಲಾಭದ ಹಣ ಸರ್ಕಾರಕ್ಕೆ ನೀಡಿದ ಬಿಇಎಂಎಲ್

12
25 Dec 2021



ಬೆಂಗಳೂರು: ಬಿಇಎಂಎಲ್ ತನ್ನ ಲಾಭಾಂಶದ 13.50 ಕೋಟಿ ರೂ. ಡಿವಿಡೆಂಡ್‌ನ್ನು ಕೇಂದ್ರ ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಿದೆ. ದೆಹಲಿಯಲ್ಲಿ ನಡೆದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಬಿಇಎಂಎಲ್ ಅಧ್ಯಕ್ಷ ಅನಿಲ್ ಗುನಾಜರ್ ಅವರು ರಕ್ಷಣಾ ಸಚಿವ ರಾಜನಾಥ್ ಸಿಂಗ್ ಅವರಿಗೆ ಹಸ್ತಾಂತರಿಸಿದರು. ಈ ವೇಳೆ ರಕ್ಷಣಾ ಇಲಾಖೆಯ ಕಾರ್ಯದರ್ಶಿ ಡಾ.ಅಜಯ ಕುಮಾರ್, ಹೆಚ್ಚುವರಿ ಕಾರ್ಯದರ್ಶಿ ಸಂಜಯ್ ಜಾಜು ಸೇರಿದಂತೆ ರಕ್ಷಣಾ ಇಲಾಖೆಯ ಅಧಿಕಾರಿಗಳು ಉಪಸ್ಥಿತರಿದ್ದರು.

ಸಂಶೋಧನೆ ಸುಧಾರಣೆಗೆ ಪೂರಕ

ಬೆಂಗಳೂರು: ಸಂಶೋಧನೆಗಳು ಸಮೂಹ ಸುಧಾರಣೆಗೆ ಪೂರಕವಾಗಿರಬೇಕು ಎಂದು ಬಿಇಎಂಎಲ್‌ನ ಕಾಲೇಜಿನ ಪ್ರಾಂಶುಪಾಲ ಡಾ.ವೇಣುಪ್ಪ ಬಾಬು ಬಿ.ಎಸ್ ಹೇಳಿದರು. ಗುರುಪರ ಫಾರ್ಮಿಸ್ಟ್, ಅನಾಲಿಟಿಕ್ಸ್, ಬಗ್‌ಡೇಟಾ ಮತ್ತು ಸೆಕ್ಯೂರಿಟಿ ಶಿಕ್ಷಣಕ್ಕೆ ಯುಡಿ ಯುಎಚ್‌ಎಫ್‌ನಲ್ಲಿ ಕಾಲೇಜಿನಲ್ಲಿ ಎರಡು ದಿನಗಳ ಇಂಟರ್ ನ್ಯಾಷನಲ್ ಕಾನ್ಫರೆನ್ಸ್‌ನಲ್ಲಿ ಅವರು ಮಾತನಾಡಿದರು. ಯೂನಿವರ್ಸಿಟಿ ಸಂಶೋಧನೆಗಳು ಸಮೂಹದ ಎಲ್ಲಾ ಸ್ತರದ ಜನಗಳಿಗೆ ತಲುಪಬೇಕು. ಅಲ್ಲದೇ ಅವರ ಜೀವನಮಟ್ಟ ಸುಧಾರಣೆ ಯಾಗುವಂತಹ ಸಂಶೋಧನೆಗಳು ನಡೆಯಬೇಕು ಎಂದರು. ಆನ್‌ಲೈನ್ ಮುಖಾಂತರ ನಡೆದ ಈ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಯುವ ಉತ್ಸಾಹಿ ಸಂಶೋಧಕರಿಗೆ ತಮ್ಮ ಸಂಶೋಧನಾ ಬರಹಗಳನ್ನು ಪ್ರಸ್ತುತಪಡಿಸಲು ಅವಕಾಶ ನೀಡಲಾಗಿತ್ತು. ದೇಶದ ವಿವಿಧ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆಗಳು ಮತ್ತು ಅನೇಕ ವಿಶ್ವವಿದ್ಯಾಲಯಗಳ ಸಂಶೋಧಕರು ತಮ್ಮ ಸಂಶೋಧನೆಗಳನ್ನು ಮಂಡಿಸಿದರು. ಯುನಿವರ್ಸಿಟಿ ಆಫ್ ಅರಬ್ಸ್ ಫೈನಾನ್ಷಿಯಲ್ಸ್ ಇನ್ ಬುನಾಯ್, ಡಿಕ್ಲೆನ್ಸ್ ಮಿವಿ ಆನ್‌ಲೈನ್‌ನಲ್ಲಿ ಡಾ.ಗಾಂಗುಲಿ ಸೇರಿದಂತೆ ವಿವಿಧ ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿಮಿಗಳ ಪ್ರತಿನಿಧಿಗಳು ಭಾಗವಹಿಸಿದ್ದರು.



PATENTS

| Sl. No. | Title of the Invention & Other Details | Status |
|---------|--|--|
| 1 | <p>Title of the invention: Automated location identification system using text and image data</p> <p>Patent Application No: 2021100154</p> <p>Date of filing of Application :1/01/2021</p> <p>Inventors: Sunanda Dixit, Associate Professor, Dept. of CSE and team</p> | <p>Applied: 01/01/2021</p> <p>Granted-31/03/2021</p> |
| 2 | <p>Title of the invention: Design and Fabrication of Low Cost Breath Monitoring System Using Arduino Uno in IOT Platform</p> <p>Patent Application No.202141008418 A,</p> <p>Date of filing of Application : 01/03/2021</p> <p>Inventors: Prof. R Bharathi, Associate Professor, Dept. of CSE and team</p> | <p>Applied: 01/03/2021</p> <p>Granted-10/11/2021</p> |
| 3 | <p>Title of the invention: A Novel Method for detecting public not wearing masks using AI and methods thereof</p> <p>Patent Application No: 2021106400,</p> <p>Date of filing of Application :27/04/2021</p> <p>Inventors: Dr. Satish Kumar T, Dr. Mahesh G, Dr. Vishwa Kiran , Associate Professor, Dept. of CSE and team</p> | <p>Applied: 27/04/2021</p> <p>Published</p> |
| 4 | <p>Title of the Invention: A Novel System for Controlling Employees Attrition Rate</p> <p>Patent Application Number: 202141023567,</p> <p>Date of Filing: 27-05-2021</p> <p>Inventors: Dr. Manoj H M, Assistant Professor, Dept. of CSE and team</p> | <p>Applied:27-05-2021</p> <p>Published</p> |
| 5 | <p>Title of the Invention: Smart Ticketing System for Smart Cities</p> <p>Application Number: 202141026348,</p> <p>Date of Filing: 14-06-2021</p> <p>Inventor: Dr. Hema Malini B H, Associate Professor, Dept. of CSE and team</p> | <p>Applied: 14-06-2021</p> <p>Published</p> |
| 6 | <p>Title of the invention: Covid-19 Thermal Screening Using Smart Helmet</p> <p>Inventors: Prof. Dwarakanath G V, Assistant Professor, Dept. of MCA</p> | <p>Applied: 25-08-2020</p> <p>Published</p> |

| | | |
|----|--|---|
| | <p>Prof. Banuprakash R & Prof. Siddiq Iqbal, Assistant Professor, Dept. of ETE</p> <p>Prof. Vishakha Yadav, Assistant Professor, Dept. of CSE</p> <p>Dr. Ganesh P, Associate Professor, Dept. of MCA</p> <p>Prof. Saneesh Cleatus T, Associate Professor, Dept. of ECE</p> <p>Application number: 202041036651</p> <p>Date of Filing date: 25-08-2020</p> <p>Date of Publication: 11-09-2020</p> | |
| 7 | <p>Title of the Invention: An Apparatus for Interactive Information Exchange Through Machine Learning</p> <p>Inventors: Dr. Satish Kumar T, Assistant Professor, Dept. of CSE and Team</p> <p>Application Number: 202041051008,</p> <p>Date of Filing: 24-11-2020</p> <p>Date of Publication:</p> | <p>Applied: 24-11-2020</p> <p>Published</p> |
| 8 | <p>Title of the Invention: Effective Feedback System of Managements of Educational Institutions Using Artificial Intelligence and Methods Thereof</p> <p>Inventors: Dr. Satish Kumar T, Associate Professor, Dept. of CSE</p> <p>Dr. Mahesh G, Associate Professor, Dept. of CSE& Team</p> <p>Application Number: 202041047650</p> <p>Date of Filing: 01-11-2020</p> <p>Date of Publication:</p> | <p>Applied: 01-11-2020</p> <p>Published</p> |
| 9 | <p>Title of the Invention: Catastrophe Detection and Smart Rescue System Utilizing Android Smartphone with Real-Time Location Tracking</p> <p>Inventors: Prof. Siddiq Iqbal & Prof. Banuprakash. R Assistant Professor, Dept. of ETE</p> <p>Prof. P. Ganesh, Associate Professor, Dept. of MCA</p> <p>Prof. Saneesh Cleatus. T, Associate Professor, Dept. of ECE</p> <p>Prof. Vishakha Yadav, Assistant Professor, Dept. of CS&E</p> <p>Prof. Dwarakanath. G.V, Assistant Professor, Dept. of MCA</p> <p>Application Number.:202041049454A,</p> <p>Date of filing :12-11-2020</p> | <p>Applied: 12-11-2020</p> <p>Published</p> |
| 10 | <p>Title of the Invention: ShabdKosh Device for Women Safety in Public</p> <p>Inventors: Dr.Usha B A, Associate Professor, Dept of CSE and Team,</p> <p>Application Number: 202041044161,</p> <p>Filing Date: 09-10-2020</p> | <p>Applied: 09-10-2020</p> <p>Published</p> |
| 11 | <p>Title of the Invention: "Students Posture & Gesture Detection system using Artificial Intelligence and Methods thereof</p> <p>Inventors: Dr.Usha BA Associate Professor, Dept. of CSE</p> | <p>Applied: 09-10-2020</p> <p>Published</p> |

| | | |
|----|---|---|
| | <p>B A, Dr.Anupama H S, Associate Professor, Dept. of AI&ML</p> <p>Dr Sathish Kumar T, Assistant Professor, Dept. of CSE and Team</p> <p>Application Number: 202011046511, Filing Date: 09/10/2020</p> | |
| 12 | <p>Title of the Invention: scaling of Tuberculosis Bacilli using Computer Vision Aided Discovery Scheme for ZN stained images of Bright field Microscopy</p> <p>Inventors:Vishakha Yadav, Assistant Professor, Dept. of CSE</p> <p>Dr. Thippeswamy G, Professor, Dept. of CSE</p> <p>Patent Application Number: 202041045438</p> <p>Date of Filing: 19-10-2020</p> <p>Date of Publication:30/10/2020</p> | <p>Applied: 19-10-2020</p> <p>Published</p> |
| 13 | <p>Title of the Invention: Occupational Stress Model and Coping Strategies There of</p> <p>Inventors: Dr. Manoj H M, Assistant Professor, Dept. of CSE and team</p> <p>Dr.Sunanda Dixit, Associate Professor, Dept. of CS&E and Team</p> <p>Patent Application Number: 202041041755 A</p> <p>Date of Filing: 25-09-2020</p> | <p>Applied: 25-09-2020</p> <p>Published</p> |
| 14 | <p>Title of Invention: Modified secure hashing Algorithm (MSHA.512)</p> <p>Inventor/Applicant: Dr. Tippeswamy G, Dept. of CS&E and Team</p> <p>Application Number: 202041048217, Date of filing: 04-11-2020</p> <p>Date of Publication: 13/11/2020</p> | <p>Applied: 09-10-2020</p> <p>Published</p> |
| 15 | <p>Title of the invention: Animal treatment kit using artificial Intelligence & Method there of</p> <p>Inventor & Applicant: Dr Sathish Kumar T, Assistant Professor, Dept. of CSE</p> <p>Application Number: 202041048621, Date of Filing: 06-11-2020</p> <p>Date of Publication: 13-11-2020</p> | <p>Applied: 06-11-2020</p> <p>Published</p> |

RESEARCH PROPOSALS GRANTED

1. Dr. Bhuvaneshwari C M , Prof & HOD Dept. of CSE got sanctioned the Virtual Online Lecture Workshop Proposal “Diversified applications of machine learning algorithms” of Amount Rs.35000 from Indian Academy Science. International resource persons Dr. Shivakumar P. University of Malaya is gracing the event.
2. Dr. Bhuvaneshwari C M , Prof & HOD Dept. of CSE has been submitted 3 Proposal to “Indian council of social Science research”.
3. Dr. Anjan Krishnamurthy , Dr. Sunanda Dixith, Associate Prof, Dept. Of CSE have been Submitted the Proposal to Cyseck, Cyber Security Karnataka on 10th May 2021, short listed for 2nd round , June 12th 2021– awaiting results Title of the Project: Study and Analysis of Hybrid Covert Channels Using Entropy Analytics for Detection. Of Amount: Rs. 11,00,000/-

| Sl. No. | Title | Principal Investigator | Funding Agency | Year | Amount in lakhs |
|---------|-------------------|------------------------|----------------|---------|-----------------|
| 4. | Margarshan Scheme | Dr.Thippeswamy G | AICTE | 2020-21 | 15 Lakhs |

Session Chair

1. Dr. HemaMalini B H, Associate Professor, Dept of CSE chaired a session in National E- Conference on **“New Advances in Computing and communication Technology (NACCT -2021)”** Conducted on 12.07.2021 and 13.07.2021 through Online Platform by the Department of Computer Science and Engineering, Cambridge Institute of Technology.
2. Dr.Dhanalakshmi B K , Assistant Professor, CSE was an jury member for **“Mobile application Development Exhibition”** at SVCE on 05.08.2021.
3. Dr. HemaMalini B. H, Associate Professor, Department of CSE contributed as Session Chair for International Conference on Forensics, Analytics and Big Data & Security (FABS- 2021) organized by IEEE Student Branch, BMSIT&M, hosted by BMS Institute of Technology and Management, Bengaluru in association with IEEE Bangalore Section and technically co-sponsored by IEEE during 21.12.2021 to 22.12.2021.
4. Dr. HemaMalini B H, Associate Professor, Dept of CSE, rendered her service as a Jury member for the project exhibition/presentation of final year students, conducted by Department of ISE, Sri Venkateshwara College of Engineering, Bangalore on 22.7.2021
5. Dr.Arun kumar B.R. Professor, CSE, convened the Ph.D. comprehensive viva examination on 17.07.2021 of the research scholar, Ms.Komala R,VTU-RC, BMSIT&M.

BOE

1. Dr.Arun kumar B.R. Professor,CSE,BMSIT&M and Chairman, BoS, VTU MCA programme has attended the JBoS meeting with Vice-chancellor on 18.10.2021 held in VTU, Belagavi.
2. Dr.Arun kumar B.R. Professor,CSE, BMSIT&M has attended the BoS meeting of MCA programme on 09.10.2021 as a VTU Nominee.
3. Dr.Arun kumar B.R. Professor, CSE, chairperson, BOS, VTU-MCA programme attended as a member of the **NEP expert Committee meeting** chaired by Honorable Vice-Chancellor, Dr.Karisiddappa on 20.07.2021 and 27.07.2021.

Faculty as Resource Person

1. Dr.Usha B A, Associate Professor, Dept of CSE has delivered a talk on **“Deep Learning for Smart Agriculture”** in Five Days Online Faculty Development Program on **“Industry 4.0: Applications of Deep Learning and Artificial Intelligence in Computer Vision”** organized by Dept of Information Technology, St. Joseph's Institute of Technology, OMR, Chennai - 119 during 20.07.2021 and 24.07.2021



We Make You Shine

St. JOSEPH'S INSTITUTE OF TECHNOLOGY
St. Joseph's Group of Institutions
 Jeppiaar Educational Trust
 OMR, Chennai - 119.



Online Faculty Development Program (FDP) on
“Industry 4.0: Applications of Deep Learning and Artificial Intelligence in Computer Vision”
 (20th - 24th July, 2021) Organized by
Department of Information Technology
 (Accredited by NBA)

| | | | |
|--|---|---|--|
| <p>ABOUT COLLEGE</p> <p>St. Joseph's Institute of Technology is a higher education institution in OMR, Chennai, India, established in the year 2011. Our college is affiliated to the Anna University and approved by AICTE. The courses offered are B.E., CSE, ECE, EEE & M.Tech in Engineering & IT fields Information Technology, Artificial Intelligence and Data Science. AI & DS is a new course which is been introduced this year. We have been accredited by NBA in 2017 in the shortest span of 6 years since inception.</p> <p>ABOUT THE DEPARTMENT</p> <p>The Department of Information Technology was established in the year 2011. The Department objective is to impart an effective education and innovative learning environment to meet professional opportunities in Information Technology and the challenges of real world applications. Our Department has experienced faculty members in the domain of information retrieval, data mining, cloud computing and network security and well experienced faculty members in teaching. The Department is NBA Accredited from the year 2017 within the first 6 years of its inception. The department has excellent infrastructure and R&D facility to provide high quality research and learning education in the field of Information Technology.</p> <p>ABOUT THE PROGRAMME</p> <p>The FDP on “Industry 4.0: Applications of Deep Learning and Artificial Intelligence in Computer Vision” focuses on providing an introduction on the impacts of Deep learning and Artificial Intelligence. The aim is to unite faculty and researchers to be trained in the rapidly growing field of Artificial Intelligence and Deep learning, to interact with multi-disciplines to evaluate, analyze and utilize the vast amounts of</p> | <p>scientific, social and financial data. Experts cover a range of contemporary computing topics and provide with a strong theoretical basis, as well as develop critical analysis and practical skills. This FDP helps you a taste of technology and generate a quick start interest to work with future technologies.</p> <p>ORGANIZING COMMITTEE</p> <p>CHIEF PATRONS</p> <p>Dr. B. Babu Manoharan M.A., M.B.A., Ph.D., Chairman, St. Joseph's Group of Institutions</p> <p>Mrs. S. Jessie Priya M.Com., Managing Director St. Joseph's Group of Institutions</p> <p>Mr. R. Shashi Sekar M.Sc., Director St. Joseph's Group of Institutions</p> <p>CHAIR</p> <p>Dr. P. Ravichandran M.Tech, Ph.D., Principal</p> <p>CONVENER</p> <p>Dr. S. Maheswari M.E., Ph.D. Professor and Head of the Department</p> <p>Dr. R. Priscilla M.E., Ph.D. Professor and Head of the Department</p> <p>COORDINATORS</p> <p>Ms. C. Niroshini Infantina M.E., (Ph.D.)</p> <p>Ms. V. Neelambary M.E., (Ph.D.)</p> <p>Ms. G. Subhashini M.E., (Ph.D.)</p> | <p>RESOURCE PERSONS</p> <p> Dr. V. Rajkumar Assistant Professor, Dept of Mechanical Engineering, Indian Institute of Technology, Jammu.</p> <p> Dr. Palanichamy Navien Faculty of Computing and Informatics (FCI), Multimedia University, Singapore.</p> <p> Dr. B. A. Usha Associate Professor, Department of CSE, BMS Institute of Technology, Bengaluru.</p> <p> Dr. M. Janani Meena, Professor, School of Computer Science, and Engineering, VIT, Chennai.</p> <p> Dr. A. Merukta Pushpa, Assistant Professor, School of Computer Science and Engineering, VIT, Chennai.</p> | <p>WHO CAN PARTICIPATE!</p> <p>Faculty members and Research scholars in Information Technology, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Chemical Engineering, Power Engineering, Mechanical and Civil Engineering.</p> <p>REGISTRATION</p> <p>Registration Link: https://tinyurl.com/2toackw</p> <p>Whatsapp Link: https://tinyurl.com/4k-b4dmg</p> <p>Registration Fee: NIL</p> <div style="text-align: center;">  <p>CONTACT</p> <p>Ms. C. Niroshini Infantina M.E., (Ph.D.) Ph: +91 9176120424 Email: nif@sjoinstituteoftechnology.ac.in</p> <p>Mr. M. Karthi M.Tech., (Ph.D.) Ph: +91 8189578133 Email: mk14@sjoinstituteoftechnology.ac.in</p> </div> |
|--|---|---|--|

- 2 Dr. Dhanalakshmi B K, Assistant Professor, Dept of CSE has delivered a talk on **“Power of Linux OS in Recent Trends”** in Webinar, RNS Institute of Technology, Bangalore on 23.07.2021
- 3 Dr. Archana R A, Assistant Professor, CSE has delivered a talk on **“Advanced Computer Concepts”** organized by Quantech Origin Private Limited, Bangalore during 18.08.2021 and 19.08.2021

Faculty Awards

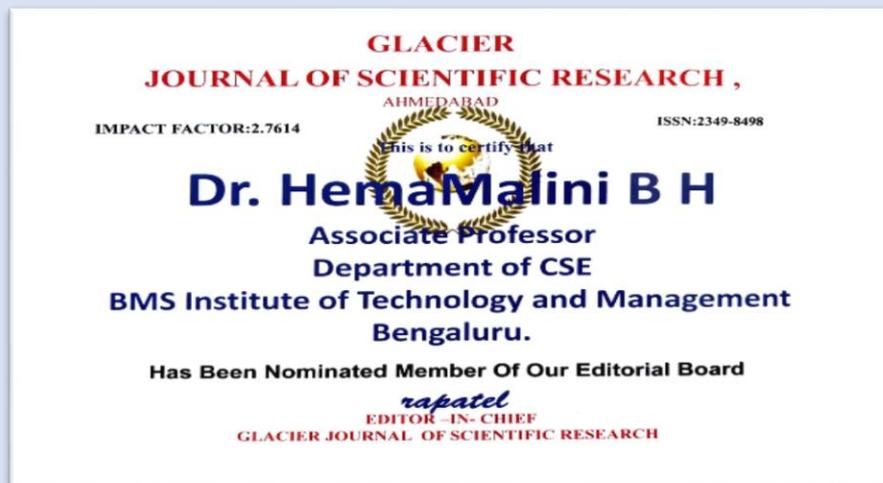
Dr. HemaMalini B. H. Associate Professor, Dept of CSE received the “Teaching Excellence Award” in International Research and Academic Excellence Awards Function (IRAEA - 2021) held on 28.08.2021 to 29.09.2021 at Malaysia through Online Mode.



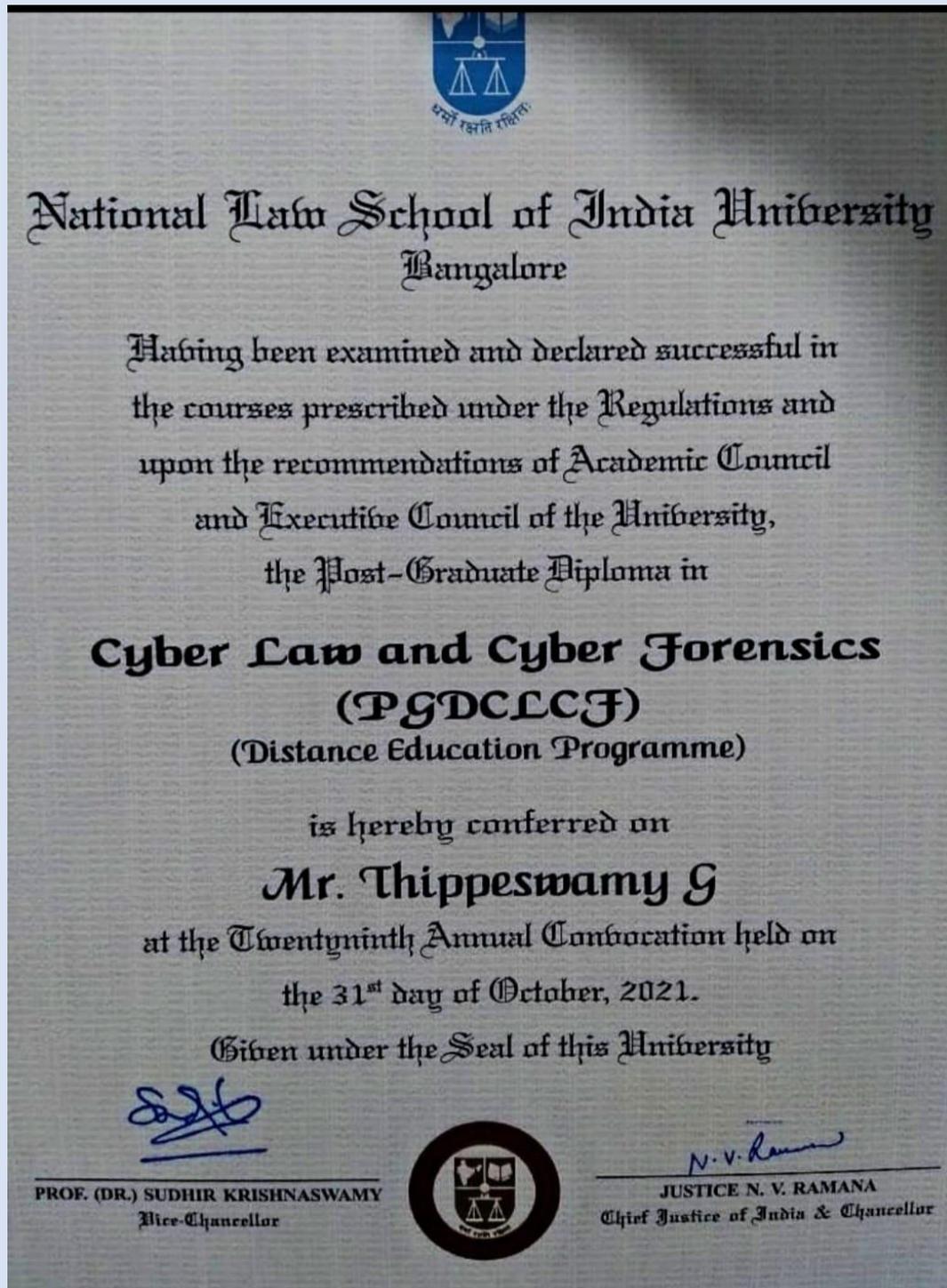
Dr. Hemamalini B H awarded with the Adarsh Vidya Saraswati Rashtriya Puraskara from Global Management Council on 5th December 2021



Dr. Hemamalini B H has been Nominated Member of Glacier Journal Of Science Research Editorial Board



Dr. Thippeswamy G has been honoured with the Post-Graduate Diploma in Cyber Law and Cyber Forensics from National Law School of India University.



Reviewer for Journal / Conference

1. Dr.Usha B A, Associate Professor, Dept of CSE has reviewed three papers for the **Springer Journal on Multimedia tools and applications** which is **Scopus and ACM Library Indexed** during July 2021.
2. Dr. HemaMalini B H, Associate Professor, Dept of CSE has reviewed a paper for Journal of Institute of Engineers, Series B Journal during July 2021.
3. Dr. Arun kumar B.R. Professor has reviewed papers of the IEEE international conference , ICEEOT-2021, GSSS, Mysuru. October 2021.
4. Dr. Hemamalini B. H., Associate Professor, Dept of CSE reviewed a paper for Journal of Institute of Engineers - Series B. November 2021.

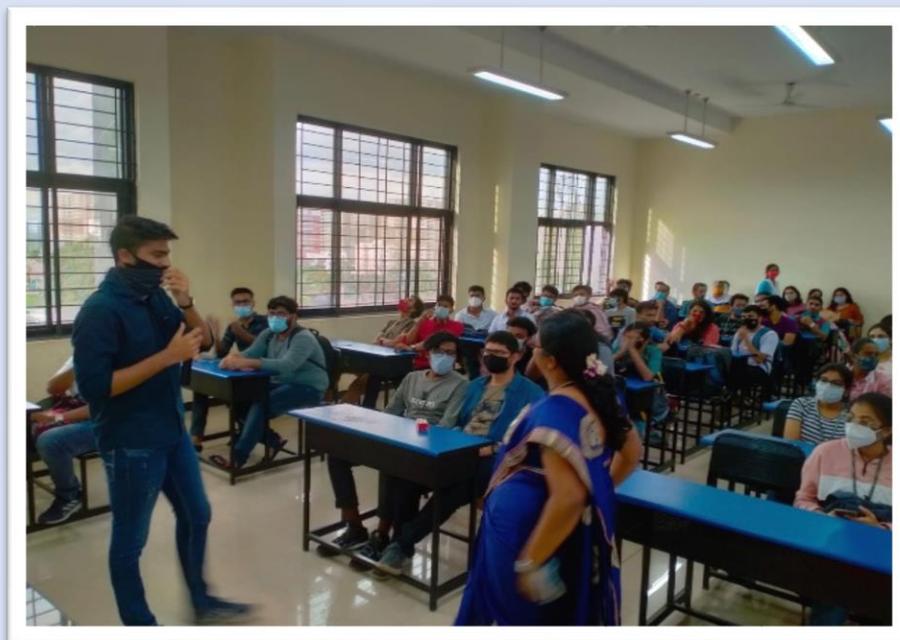
MEMORABLE MOMENTS / BEST PRACTICES

CSE Dept. had arranged the Farewell - 2021 for all the 8th Sem students of the CSE in the department after their exam on 30.07.2021 at 5.15 p.m as per the institution direction. The venue for Farewell function of CSE students arranged in the CSE Department,4th floor, BSN BLOCK in following class rooms 8th

A students assembled in CSE seminar hall, 8th B students assembled in BSNCR 402 and 8th C students assembled in BSN-CR.404* in line with the COVID-19 SOP's and distributed the Mementos with Tetra Pack to all students.

Dr. Bhuvaneshwari C M, HOD, Dr. Anil G N, Dean(A), Dr. Thippeswamy G, Professor and Dr. Sunanda Dixith Associate Professor have been addressed to all students and All CSE staff interacted with the students in the gathering.





Vaccination Drive

Date: 5th-7th July 2021

Day: Mon-Wed

Timing: 10AM-1PM

Venue: BMSIT&M Amphitheatre.

The following students coordinated as volunteer for SITE MANAGEMENT during Vaccination Camp @BMSIT&M



- Rtr. Cdt. Rishab S Rokhade - 1BY19CS117
- Cdt. Shivani - 1BY19CS219
- Kavya P - 1BY19CS064
- Rtr. Manoj Somalapur - 1BY19CS080
- Rtr. Kushal Surya - 1BY19CS070
- SHIVANI here- 1BY19CS219
- Kavya P- 1BY19CS064
- Teemul mithilesh sharma- 1by18cs202
- Shubham Mehta - 1BY18CS211
- Shishir Srivastava - 1BY18CS210



PBL Winners

Dept of CSE, have Organized a PBL Open day 2021 - even semester on 30th and 31st July 2021. Totally 132 projects have been evaluated by the internal panel members on 30th July 2021, and 19 projects were shortlisted for final evaluation by the external judges preferably from Industry on 31st July 2021. The external judges are Mr. Mohammed Mukthar Ahmed, Senior Consultant, Aprameyah Technologies, Bangalore, Mr. Abhilash N, Data Analyst, JP Morgans Chase, Bengaluru. Result of PBL projects as follows



PBL cash prize distribution event to 4th semester students On 14-8-2021, the department of CSE, took presentations from PBL cash prize winners and motivated them to continue their work and make it as a useful product, which will be usable by BMSIT, such as the College Management System from Nakula and team. Cash prize of Rs. 3000/- for the 1st prize and Rs. 2000/- for 2nd Prize.

4th Semester WINERS

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
 Yelahanka Bangalore 560054
 Computer Science and Engineering
PBL 2020-21 Even Semester - Shortlisted Team Information
 PBL Project - Develop/Implement DAA concept using Object Oriented Programming language (OO) JAVA

Marks entry to be filled in the column H,I,J,K,L,M,N. Marks entry for the entire team, Judge's name: Mr. Abilash

| Group No | NAME | USN | PBL Title | Faculty Incharge | Completion of the project (10) | Societal Relevance (10) | Presentation (10) | Viva (10) | Report (10) | Total(50) | Place |
|----------|-----------------|------------|---------------------------------|--------------------|--------------------------------|-------------------------|-------------------|-----------|-------------|-----------|--------|
| IA-3 | Kevin P | 1BY19CS067 | Covid-19 Bed Allocation System | Dr. Hemamalini B H | 10 | 10 | 9 | 9 | 10 | 48 | first |
| | Charukesh | 1BY19CS033 | | | | | | | | | |
| | B Hrishikesh | 1BY19CS025 | | | | | | | | | |
| IA-14 | Akanksha N | 1BY19CS006 | Smart Assistant | Prof. Anand | 10 | 8 | 9 | 9 | 10 | 47 | second |
| | Challa Jwanitha | 1BY19CS031 | | | | | | | | | |
| | Harshitha GS | 1BY19CS051 | | | | | | | | | |
| IB-12 | Nakul S | 1BY19CS090 | College Management System | Prof. Jagadish P | 10 | 10 | 9 | 9 | 10 | 48 | first |
| | S Ramya | 1BY19CS129 | | | | | | | | | |
| | Mananya V D | 1BY19CS075 | | | | | | | | | |
| IB-5 | POORVIK D | 1BY19CS103 | Algorithm Visualiser(Line arly) | Prof. Durga Devi | 10 | 9 | 9 | 9 | 10 | 47 | second |
| | RISHAB S ROKH | 1BY19CS117 | | | | | | | | | |
| | MOHAMMED OV | 1BY19CS083 | | | | | | | | | |
| IC-1 | SOHANKUMAR | 1BY19CS154 | Algorithm Visualizer | Dr. Satish Kumar T | 10 | 8 | 9 | 9 | 10 | 46 | first |
| | SIDDHARTH VA | 1BY19CS150 | | | | | | | | | |
| | Shruthilaya K | 1BY19CS147 | | | | | | | | | |
| IC-5 | Shweta Bhat | 1BY19CS149 | Algorithm Visualizer | Dr. Satish Kumar T | 10 | 8 | 9 | 8 | 10 | 45 | second |
| | Smruthi N.S | 1BY19CS152 | | | | | | | | | |
| | Tejaswini S Rad | 1BY19CS169 | | | | | | | | | |

6th Semester WINERS

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
 Yelahanka Bangalore 560054
 Computer Science and Engineering
PBL 2020-21 Even Semester - Shortlisted Team Information
 PBL Project - Perform the CODE OPTIMIZATION (SSCD) in Computer Graphics & Visualization or Mobile Application Development

Marks entry to be filled in the column H,I,J,K,L,M,N. Marks entry for the entire team, Judge's name: Mr. Mukthar Ahmed

| Group No | NAME | USN | PBL Title | Faculty Incharge | Completion of the project (10) | Societal Relevance (10) | Presentation (10) | Viva (10) | Report (10) | Total(50) | Kindly mention (First Place, Second Place, Third Place) |
|----------|--------------------|------------|--|------------------|--------------------------------|-------------------------|-------------------|-----------|-------------|-----------|---|
| 6A-12 | Hritik Kumar Singh | 1BY18CS066 | Emosenti Analyzer | Dr. Thippeswamy | 9 | 9 | 9 | 9 | 9 | 45 | First |
| | Ashutosh Kuma | 1BY18CS032 | | | | | | | | | |
| 6A-17 | Anmol | 1BY18CS021 | MARC - 3D (Mobile based Augumented) | Dr. Archana | 8 | 7 | 8 | 8 | 8 | 39 | Second |
| | Gaurav Sethia | 1BY18CS055 | | | | | | | | | |
| | Harish Kumar S | 1BY18CS060 | | | | | | | | | |
| 6B-6 | Roy George | 1BY18CS126 | ProTracker - Task Managment Web App | Dr. Usha B A | 9 | 9 | 9 | 8.5 | 9 | 44.5 | First |
| | S. Geetanjali | 1BY18CS129 | | | | | | | | | |
| | Sanjana Gowda | 1BY18CS138 | | | | | | | | | |
| 6B-13 | M S Vishnupriya | 1BY18CS086 | Medico bud | Dr. Usha B A | 9 | 9 | 9 | 8 | 9 | 44 | Second |
| | Rushikesh Chas | 1by18cs127 | | | | | | | | | |
| | Sakshi Agrawal | 1by18cs135 | | | | | | | | | |
| | Saurabh Prakas | 1by18cs145 | | | | | | | | | |
| 6C-18 | Rakhi Purwar | 1by18cs116 | LUNG DISEASE DETECTION USING DEEP LEARNING | Dr. Manoj H M | 9 | 9 | 9 | 8 | 9 | 44 | First |
| | Siddhant Tripat | 1BY18CS164 | | | | | | | | | |
| | Sinchana Shetty | 1BY18CS165 | | | | | | | | | |
| | Somi Jain | 1BY18CS167 | | | | | | | | | |
| 6C-15 | Vanshika Sharm | 1BY18CS185 | Image Steganography using deep learning | Dr. Manoj H M | 9 | 9 | 8 | 8 | 9 | 43 | Second |
| | Sushmitha HM | 1BY18CS174 | | | | | | | | | |
| | Shashiroop Heg | 1BY18CS151 | | | | | | | | | |
| | Sriram | 1BY18CS170 | | | | | | | | | |



CSE- August 2021_Image-4 :4th A, PBL 1st prize:
Covid-19 Bed Allocation System



CSE- August 2021_Image-5: 4th A, PBL 2nd prize: Smart
Assistant



CSE- August 2021_Image-6:4th B, PBL 1st prize:
Management System



CSE- August 2021_Image-7: 4th B, PBL 2nd prize: College
Algorithm Visualiser(Linearly)



CSE- August 2021_Image-8: 4th C, PBL 1st prize:
Algorithm Visualize



CSE- August 2021_Image-9:4th C, PBL 2nd prize: Solution
Generator for a Given Sudoku Puzzle

Sessions/Programs

NBA expert committee member visited to Dept. of CSE on 10.12.2021 and 11.12.2021 for Accrediting the PG Program, M.Tech, CSE.



The M. Tech Annual Alumni meet was hosted on 11.12.2021. The event was well organized by the Dept. Alumni Coordinators/PG Coordinators. The event started with a warm tea session where the alumni, faculty and HOD were graciously welcomed and shared a networking session where we could find many charming faces recalling their journey at the college. The event was taken over by our Dept. HOD and other dignitaries who addressed the gathering and boosted some enthusiasm through their valuable words. HOD were addressed about the PG NBA to Alumni. They were also informed about the Program Outcomes, Programme Educational Objectives, Vision and Mission.



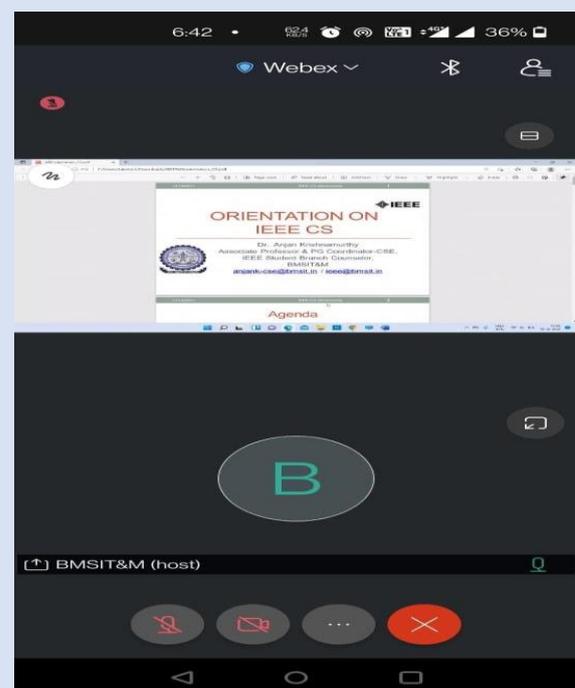
The student Induction Program was conducted online for the first year students of CSE, BMSIT & M and the students were welcomed to the department with an introduction session by Dr. Bhuvaneshwari C.M, the HOD, Department of CSE on 18.12.2021 from 10.45a.m - 12.45 p.m . Dr. Bhuvaneshwari C.M, HOD of CSE welcomed the students to the department and introduced the department. A detailed presentation of the department along with its accreditations, its faculty, achievements, strengths of the department, achievements of faculty, achievements of students, facilities at department, results and placements at CSE was provided to the students.



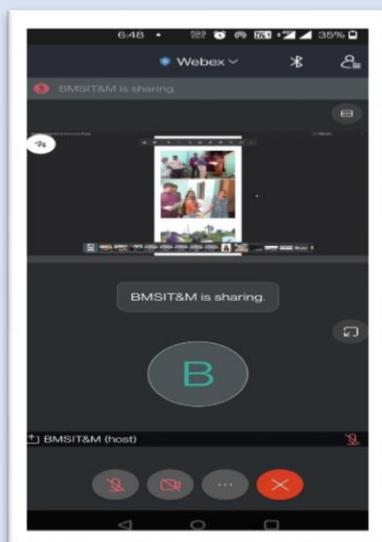
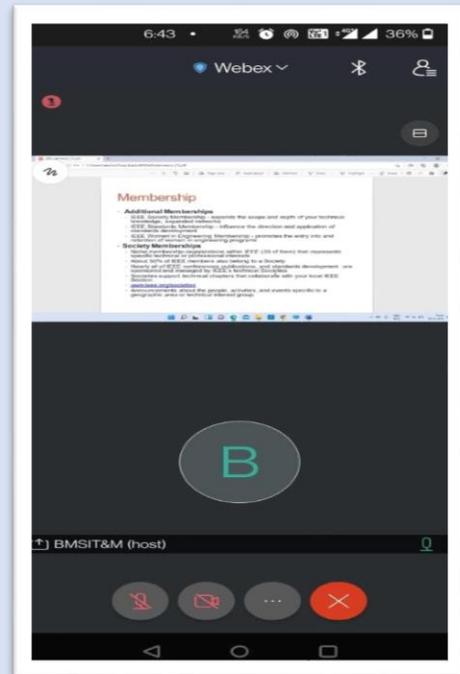
A virtual tour of the department for the students was arranged for them to see and know what the facilities and labs the department provides to the students. Dr. Arunkumar B.R, Professor, Dept. of CSE briefed the students about the rules and regulation at department of CSE, highlighting about the inputs, process and outcomes of the department were discussed and the significant technologies with respect to CSE was briefed to the students to enlighten them about the technologies and help them pave their way to success as a part of E-Student Induction Program-2021-22



A specific session for introducing the clubs at the department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m on IEEE chapter was discussed by Dr. Anjan Krishnamurthy giving details of membership, advantages of joining IEEE and student achievements as a part of E-Student Induction Program-2021-22 A specific session for introducing the clubs at the



department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m by Prof. Shruthi J discussed about the E-Yantra Robotics club providing insights of the club and the projects taken up at the club and also showed the devices at the club for students to use and explore as a part of **E-Student Induction Program-2021-22.**



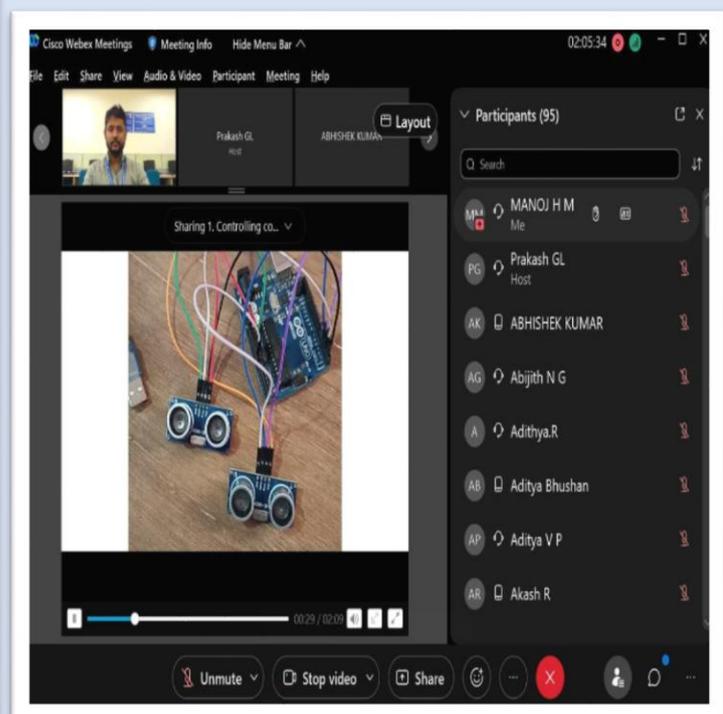
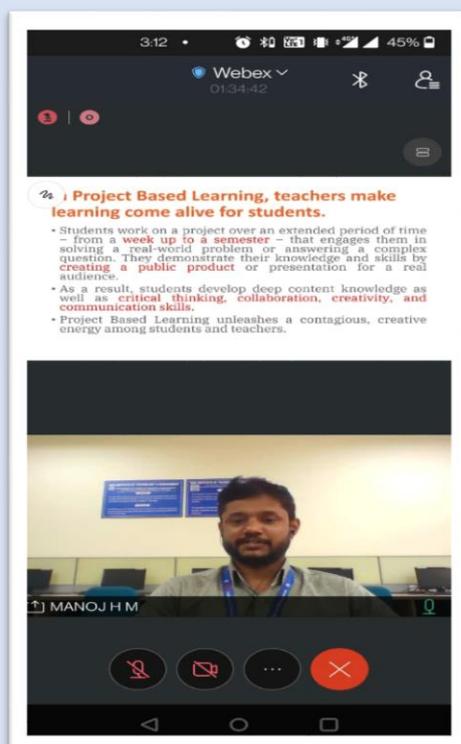
A specific session for introducing the clubs at the department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m by Prof. Vidya Pai discussed about CSI and its membership and other details about the club as a part of **E-Student Induction Program-2021-22.**

A specific session for introducing the clubs at the department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m by Prof. Chethana C introduced to students the NSS and Eco clubs at the college and provided details of various activities in which students of CSE participated, as a part of **E-Student Induction Program-2021-22**

A specific session for introducing the clubs at the department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m about the Proctoring to the students by Prof. Muneshwara M S.



A session for Project Exhibition / Demonstration was handled for the first year students on 23.12.2021 from 3:15 pm to 4:45 pm by Dr.Manoj H.M, Assistant Professor, and Department of CSE. BMSIT & M as a part of student induction program. The session educated the first-year students to know what the project is, its types and how it is benefits the students.



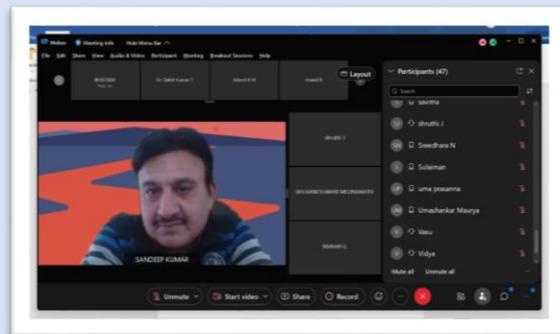
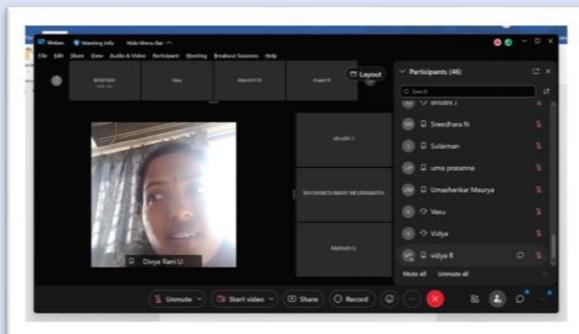
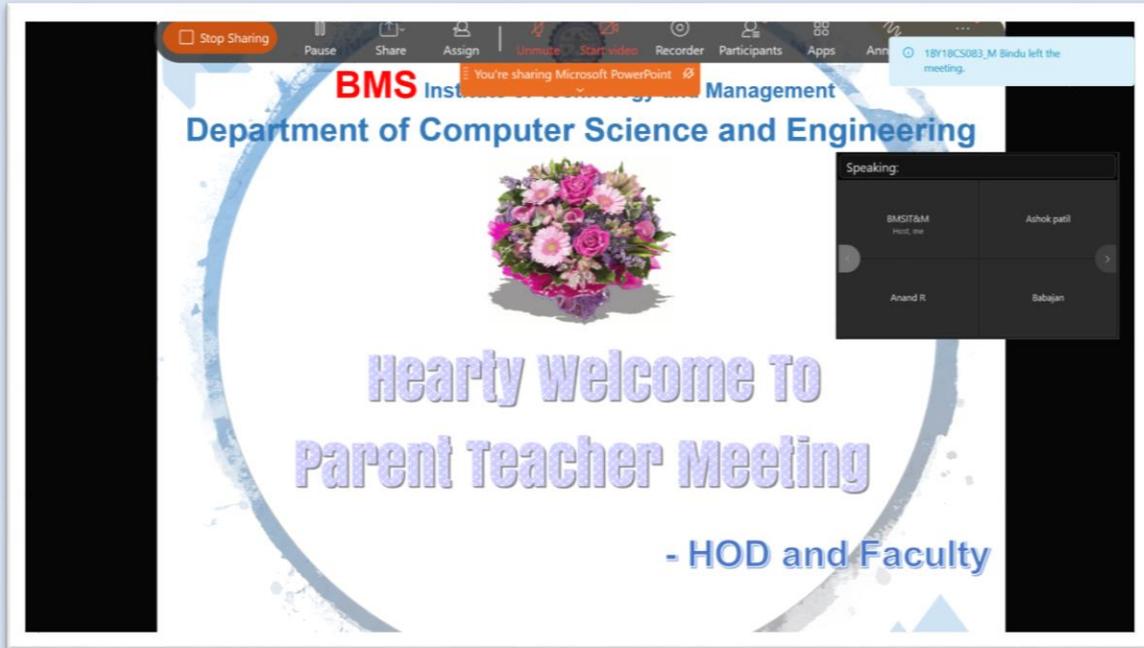
Parent Teacher Meeting Odd Semester 2021-22

The meeting was scheduled on 04/12/2021 at 11:30 AM online via BMSIT Webex.

<https://bmsit.webex.com/bmsit/j.php?MTID=me874ec55feae7269f0b9ea18c12eecf8>

Around 45 parents were present for the meeting along with the teachers.

1. Prof. Shruthi J welcomed all the parents to the meeting.
2. Dr. Bhuvaneshwari C M, Professor and HOD presented the following to the parents,
 - ✓ Institution and Department – Vision and Mission
 - ✓ Information about the department including faculty details, student details and department accomplishments like NBA, NAAC, NIRF Ranking and Autonomous Status
 - ✓ Faculty Achievements/Awards/Recognitions
 - ✓ Best Practices in the department including PBL, Proctor System, Open day, Tech Transform, Open courses and MOOCs.
 - ✓ Students Achievements/Awards
 - ✓ Social/Outreach activities
 - ✓ Placements and Internship
3. Dr. Thippeswamy, Professor addressed the parents about the OBE process followed in the department. He also informed about autonomous system and curriculum.
4. Feedback link was shared with parents via google forms
https://docs.google.com/forms/d/e/1FAIpQLScGNIm1MtKpZPqdrkgP8Bvp8fDhlgBslLv0FjTS9IaST-sdQw/viewform?usp=sf_link



Faculty Internships

1. Dr. Radhika K R, Assistant Professor, CSE has undergone Industry Internship at **Ideal soft Pvt.Ltd**, Bangalore from 11.08.2021 to 21.08.2021.
2. Dr. Manoj H M, Assistant Professor, CSE has undergone Industry Internship at **Power Planet Software Solutions**, Bangalore from 13.08.2021 to 25.08.2021.
3. Dr. Anil G N, Professor, CSE has undergone Industry Internship at Netanza Innovation Pvt. Ltd, Bengaluru from 12.08.2021 to 21.08.2021.
4. Dr. Archana R A , Assistant Professor, CSE has undergone Industry Internship at FYERS Securities Private Limited , Bengaluru, from 23.08.2021 to 03.09..2021.
5. Dr. Satish Kumar .T, Assistant Professor , CSE has undergone Industry Internship at **Pushkala Technologies Pvt Ltd** , Bengaluru, from 19.08.2021 to 31.08.2021.
6. Dr. Dhanalakshmi B K , Assistant Professor , CSE has undergone Industry Internship at INFIDATA, Bengaluru, from 23.08.2021 to 03.09.2021.
7. Dr. Mahesh G , Associate Professor,CSE Department has undergone 10 days internship on “**Building Applications using Tkinter**” at Aprameyah Technologies Pvt. Ltd from 04.08.2021 to 14.08.2021.
8. Prof Bharathi R , Associate Professor,CSE Department has undergone 10 days internship on at **Soft Dot Taksggroup** Pvt. Ltd from 19.08.2021 to 31.08.2021

Students Workshop Conducted/Organised

Prof. Chethana C , Assistant professor, Coordinated for Blood Donation Camp organised on 13.11.2021 by NSS and RED cross unit.



The following students from 5th semester have volunteered for the event.

| | | |
|---------------------------------|------------------------------------|---|
| R.Bhuvan 1BY19CS112 | J Naveen 1BY19CS055 | Syed samira sama 1BY19CS166 |
| Neha .B 1BY19CS093 | Varshini sridhar 1BY19CS177 | PAIDI VENKATA REVANTH DATTA 1by19cs098 |
| Nikhitha Srinivas 1BY19CS095 | HITHA 1BY19CS052 | B jagadesh krishna 1BY19CS030 |
| Sheshan.K 1BY19CS139 | Rishik raj 1BY19CS120 | Anjana G V 1BY19CS016 |
| Rohit raj.B 1BY19CS123 | L SivaRamaDheeraj 1BY19CS071 | Ashritha S B 1BY19CS023 |
| Navayug sriram 1BY19CS092 | Dilawar Hussain bhat 1BY19CS041 | Kavya P 1BY19CS064 |
| Ishika agarwal 1BY19CS196 | Partho parthim roy 1BY19CS0204 | Manjunath M 1BY19CS078 |

On the occasion of Children's Day on 14.11.2021 SUNDAY, NSS & YRC Wing of BMSIT&M organised a book and cloth donation drive. Volunteers donated books, stationary and clothes which are being donated to an orphanage. The collection boxes were Kept near BSN & Academic Block.



Vidya Gokula Orphanage Visit on Occasion of Children Day-14.11.2021 Celebration, Donated the items collected from Donors along with Volunteers of NSS & YRC Wing. Syeda samira Sama 1BY19CS166



Dr. Usha B A, Associate Professor, Dept of CSE has organized a Two Days Workshop on Industry IOT for System Design using Microprocessor for students of UG and PG on 3.12.2021 to 4.12.2021.

B.M.S. Institute of Technology & Management
 Department of Computer Science in Association with **Indian Tech-Keys**

Workshop on Industry IoT for Smart System Design using Microprocessor

Topics Covered
 Embedded System Programming.
 Raspberry Pi Microprocessor.
 Raspbian OS Architecture.
 Wireless Communication Implementation.
 Integration of Sensors and Actuators.
 IoT Web App Development.

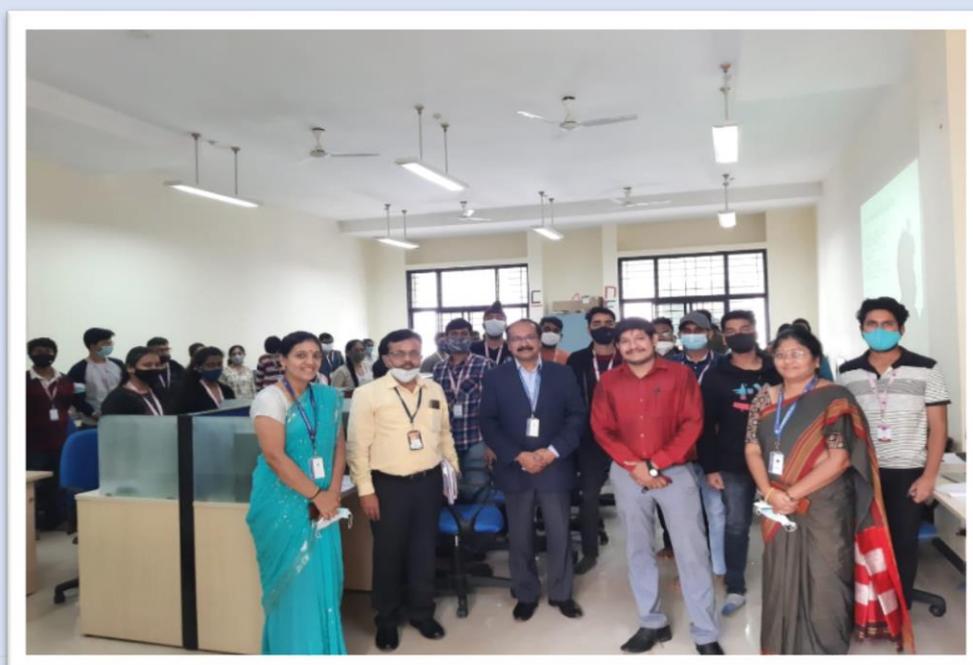
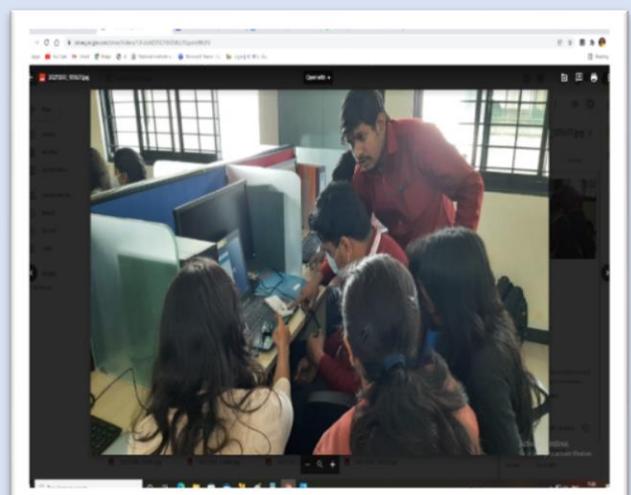
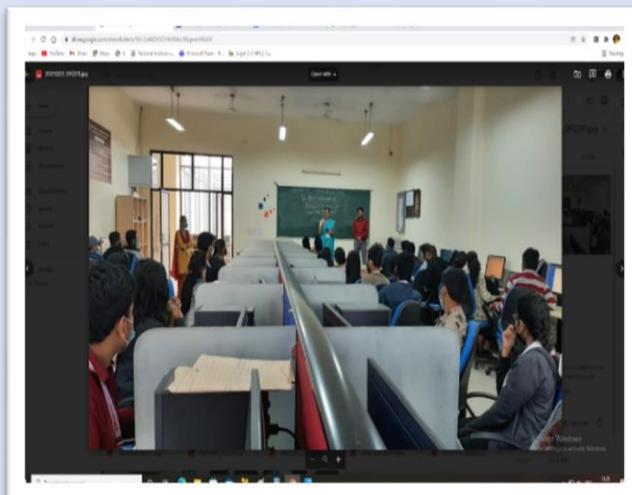
Convener
 Dr. Bhuvaneshwari C M
 Professor & HOD - CSE

Trainer
 Kotresh M
 Indian Tech Keys

Faculty Coordinator
 Dr. Usha B A
 Associate Professor - CSE

Dates
 3rd and 4th December - 2021

KEY FEATURES
 1. Hands-On Sessions.
 2. Concept to Product Development.
 3. One-To-One Interaction.
 4. 1:10 Trainer Availability.
 5. Certified Course



FDP conducted/ organised

Dept. of CSE organised a two days National Level Two days Virtual Lecture workshop on "Diversified Applications of Machine Learning Algorithms" from 21.09.2021 to 22.09.2021 Organized under the sponsored by Indian Academy of Science (IAS).

**MACHINE LEARNING
WILL AUTOMATE JOBS
THAT MOST PEOPLE
THOUGHT COULD ONLY
BE DONE BY PEOPLE**



CHIEF PATRONS

Dr. B S Ragini Narayan
Donor Trustee & Member Secretary, BMSET

Dr. P. Dayanada Pai
Trustee, BMSET & Chairman, BOG, BMSIT&M,
and BMSCE

Mr. Aviram Sharma
Trustee, BMSET

PATRONS

Dr. Mohan Babu G N,
Principal, BMSIT&M

Dr. H. K. Govindaraju
Vice-Principal, BMSIT&M

ORGANIZING CHAIR

Dr. Shuvaneshwari C M,
Professor & HOD, CSE

CONVENOR

Dr. Vishwas Bhat
Emeritus Scientist,
Shivaji University Kolhapur

COURSE-COORDINATOR

Dr. Shuvaneshwari C M,
Professor & HOD, CSE

CO-COORDINATORS

Prof. Vidya R Pai,
Asst. Prof, CSE

Prof. Ravi Kumar B N,
Asst. Prof, CSE

**INDIAN ACADEMY OF SCIENCES,
BANGALORE, SPONSORED**



**VIRTUAL LECTURE
WORKSHOP ON
"DIVERSIFIED
APPLICATIONS OF
MACHINE LEARNING
ALGORITHMS"**

**DEPARTMENT OF COMPUTER SCIENCE
& ENGINEERING**

**BMS INSTITUTE OF
TECHNOLOGY AND MANAGEMENT**

Doddaballapur Main Road, Avalahalli,
Yelahanka,
Bengaluru-560064.



Recognized by AICTE & Affiliated to VTU
All eligible programmes are
NBA accredited &
Awarded 'A' Grade by NAAC,
Member of IIC-MHRD & UGC

ABOUT THE INSTITUTE

BMS Institute of Technology and Management was established in the year 2002 under the auspices of BMS Educational trust with the vision of establishing a premier technical institute on par with international standards. It is recognized by AICTE, Government of India and is affiliated to VTU, Belagavi. BMSIT&M offers eight UG and three PG programmes along with 7 R&D centres. Six UG programmes and one PG program have been accredited by NBA. BMSIT&M has obtained "A" Grade from NAAC. BMSIT&M is the first institution to introduce Artificial Intelligence and Machine Learning as a UG programme. Our green initiatives awarded us the "Best Ornamental Garden" by Mysore Horticultural Society. With its modern infrastructure, highly qualified faculty members and active industry engagement, the institute has been recognised as an "Emerging Technical Institute in the state of Karnataka" by VTU, Federation of Indian Chambers of Commerce & Industry has placed BMSIT&M among top seven institutes in India for the "FICCI Excellence in Faculty" award. The institute supports students for their overall development through both curricular and co-curricular activities.

ABOUT THE DEPARTMENT

The Department was started in the year 2002 - 2003 currently intake is 80. The Department is highly progressive and has a team of well qualified, experienced and dedicated faculty. 16 faculty members hold Doctoral degrees, and 18 faculty members are currently pursuing their Doctorate degrees. The Department has well-equipped computer laboratories for course work, teaching and to carry out projects. The Department has an R&D Center as well as an Incubation Center which is facilitating the students to acquire practical knowledge.

ABOUT IAS

Founded in 1934 by Sir C V Raman the Indian Academy of Sciences, Bangalore was registered as a Society on 27 April 1934 with the main objective of promoting the progress and upholding the cause of science. The Academy began functioning with 65 Founding Fellows and the formal inauguration took place at the Indian Institute of Science.

ABOUT WORKSHOP

We are in the era of machine learning where machines are left to solve problems, on their own, by identifying the patterns in each data set. Analysing hidden trends and patterns makes it easy to predict future problems and prevent them from occurring. The two days' workshop is aimed at honing the teaching and research skills of faculty and researchers.

TOPICS TO BE COVERED

- The massive and rapid advancements in both biological data generation and machine learning methodologies
- Biology for Engineers. Applications of ML in Biology.
- Regression Analysis Model.
- Supervised and Unsupervised Machine learning algorithms with case study.
- Data mining Techniques, Clustering and Classification Problems.

RESOURCE PERSONS

From University of Malaya, Shivaji University Kolhapur, IISc Bangalore, NITK Suratkal

REGISTRATION LINK

<https://forms.gle/cenT7f5aM8HfNLRP7>

WHO CAN ATTEND

Faculty from Engineering and Science / Research Scholars / UG & PG Students

WORKSHOP DATES

21st and 22nd Sept 2021

REGISTRATION

FREE

FOR MORE DETAILS

Prof. Ravi Kumar B N,
Asst. Professor, Dept. of CSE
ravikumarbng@bmsit.in
9530118484

Prof. Vidya R Pai
Asst. Professor, Dept. of CSE
vidyapai@bmsit.in
7019993919

SEMINARS / EXPERT TALKS

Dept. of CSE, as a part of ISTE students chapter have organized a webinar on “Project Life Cycle: Skills and Tools” by an industry expert Mr. Dinesh Mahendrakar, Project Engineer Bangalore International Airport Limited, Devanahalli, Bengaluru on 16.07.2021 from 3:30 pm to 4:30 PM organised by Dr. Manoj HM, Asst. Professor.



The poster is for a webinar titled "Project Life Cycle - Skills and Tools". It is organized by the ISTE Chapter in collaboration with the Department of Computer Science Engineering and the Department of Civil Engineering. The speaker is Mr. Dinesh Mahendrakar, a Project Engineer at Bangalore International Airport Limited, Devanahalli, Bangalore. The webinar is scheduled for July 16, 2021, from 3:30 pm to 4:30 pm. A note specifies that students of the 6th semester in CSE and CV departments are required to attend, and interested students from other departments can also attend. The poster provides a Google Meet link: <https://meet.google.com/tnp-exwe-kgi>. It also lists the organizers: Mr. Kattimani H D (ISTE Coordinator), Dr. Manoj H M (CSE Dept Coordinator), and Mr. Vinod B R (Civil Dept. Coordinator).

The department of CSE organized an expert talk on the topic “**Session on Future Tech Stack Adaption**” for the CSE 5th Sem Students on 19.11.2021 from 11.40 a.m. to 12.40 p.m. delivered by Mr Vishwanath, BITSTREAMIO, Rajaji nagara, Bengaluru.



The department of CSE organized an Orientation session “ **Funding Agencies & Writing Proposals for Research**” on 16.11.2021 for the CSE Faculties delivered by V K Karthik CTO Datafoundry pvt Ltd, Bengaluru.



The department of CSE organized an Online expert talk on the topic “**Introduction to Agile Methodology**” for the CSE students on 26.11.2021 from 6.00 p.m to 7.00 p.m by Mr. Srinidhi VA, Chief Technical Architect, Kimshuka Technologies, Alumni 2010 passed out. He is a Alumni student representative as a BOS member for the Physics department, BMSIT&M.



BMS Institute of Technology & Management
Dept. of Computer Science and Engineering

Organises a Session On

Agile Methodologies



By:-
Mr. Srinidhi VA
Chief Technical Architect, Kimshuka Technologies

On
26-11-2021
From
6:00pm to 7:00pm

Note -
Students of both UG and PG are required to attend the webinar
Interested Students can also attend the Webinar

Join the Session using the below link :

<https://bit.ly/webex25152947409>

About the Speaker: He is currently working as - Chief Technical Architect, Kimshuka Technologies
Completed MSc in Multimedia Applications and Virtual Environments from University of Sussex, UK
He is an Alumni student representative as a BOS member for the Physics department and the 2010 batch passed out student from BMSIT&M

The department of CSE organized an Online expert talk on the topic “**Management of Software Engineering**” for the CSE students on 3rd Dec 2021, 2:00 PM to 4:00 PM by Mr. Akhilesh M S (2010 BATCH B.E CSE ALUMNI) Product Owner at Herbalife Nutrition, Bangalore, India.

BMS Institute of Technology & Management
(Autonomous under VTU)
Doddaballapur Main Road, Avalahalli, Yelahanka,
Bengaluru - 560064

Dept. of Computer Science and Engineering
with Alumni Association
Jointly Organises a Session On
Management of Software Engineering

On
03-12-2021
From
2:00pm to 4:00pm

Students of both UG and PG are required to attend the webinar. Interested Students can also attend the webinar.

By:-
Mr. Akhilesh M S
Product Owner in Herbalife Nutrition
Alumni 2010 Batch

Join the Session using the below link :
<https://bit.ly/webex25126520402>

About the Speaker: He is currently working as - Product Owner in Herbalife Nutrition.
His previous experiences was being Business Analyst in First American Indeo Pvt.Ltd then as Senior Business Analyst in Celstream Technologies then as Senior Software Engineer in TechMahindra.
He is an 2010 batch passed out student from BMSIT&M



The department of CSE organized an Online expert talk on the topic “**After Graduation. What Next?**” for the CSE students on 08th Dec 2020 and 11:00 AM to 12:30 PM by Mr. Sai Niranjana (2010 BATCH B.E CSE ALUMNI) Assistant Professor in Devanga Sangha First Grade College, Freelance Instructor in UpGrad.

BMS Institute of Technology & Management
(Autonomous under VTU)
Doddaballapur Main Road, Avalahalli, Yelahanka,
Bengaluru - 560064

Dept. of Computer Science and Engineering
with Alumni Association
Jointly Organises a Session On
After Graduation. What Next?

Date : 08-12-2021
Venue : CSE Seminar Hall,
4th Floor BSN Block

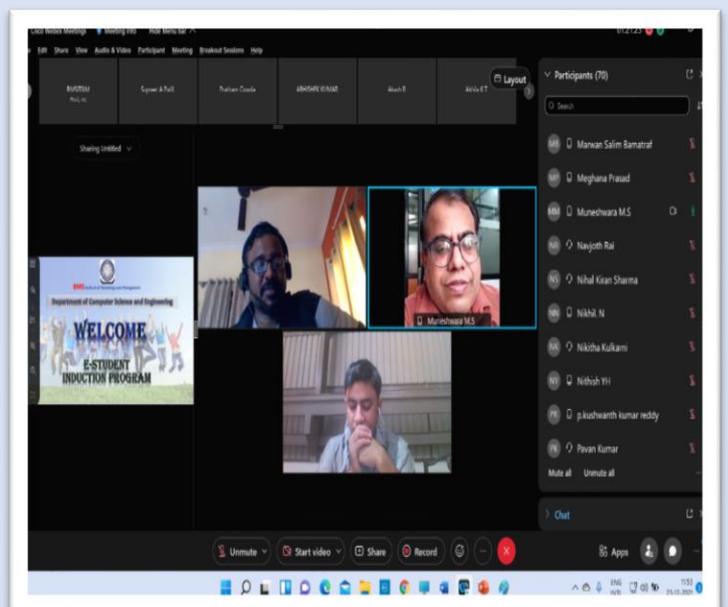
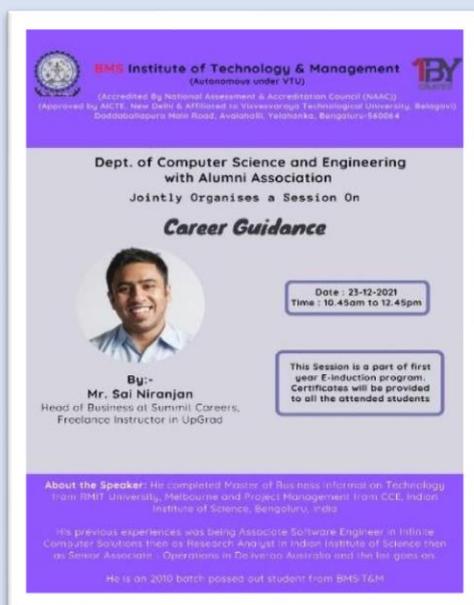
Students of both UG and PG are required to attend the session. Interested Students can also attend the session.

By:-
Mr. Sai Niranjana
Assistant Professor in Devanga Sangha
First Grade College,
Freelance Instructor in UpGrad

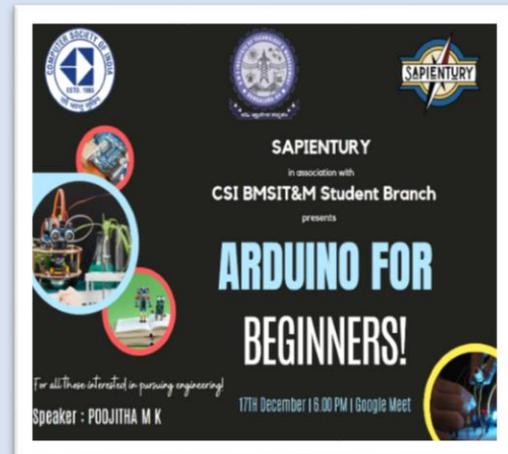
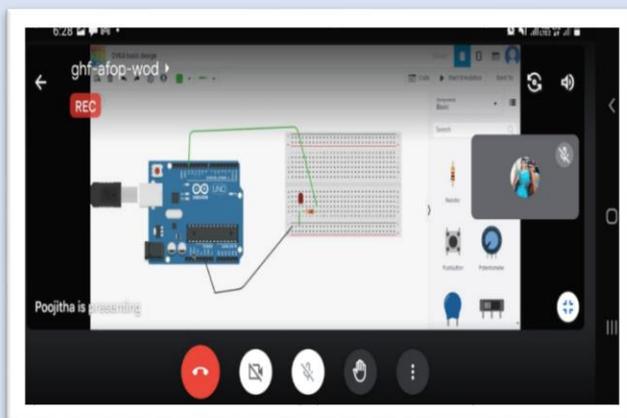
About the Speaker: He completed Master of Business Information Technology from RMIT University, Melbourne and Project Management from CCE, Indian Institute of Science, Bengaluru, India.
His previous experiences was being Associate Software Engineer in Infinite Customer Solutions then as Research Analyst in Indian Institute of Science then as Senior Associate - Operations in Delvevo Australia and the list goes on.
He is an 2010 batch passed out student from BMSIT&M



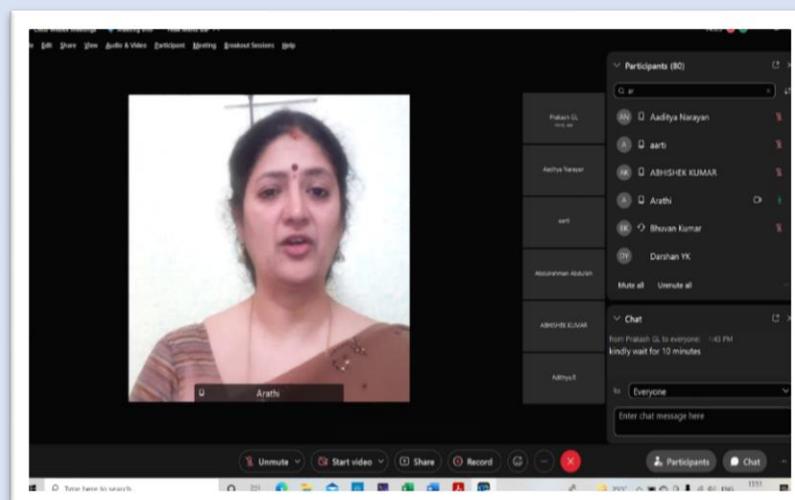
The department of CSE organized an Online expert talk on the topic “**Career Guidance**” as part of E-SIP 2021 for the CSE First Sem students on 23.12.2021 from 10:50 AM to 12:50 PM by Mr. Keethan Babu P, Oracle Webcenter Sites Developer and Lead Analyst CGI , Alumni of 2008 Batch and Mr. Sai Niranjan Mr. Sai Niranjan, Head of Business, Summit Careers, Freelance Instructor in UpGrad. Alumni of 2010 BATCH.



The Department of CSE in association with CSI BMSIT&M Student Branch and Sapientry has organized an online webinar on "**ARDUINO FOR BEGINNERS !**". by Ms. POOJITHA MK, Sysops engineer at Sapientry Pvt Ltd on 17.12.2021.



A talk by Eminent speaker Dr Arathi V B on Behavioral and soft skill was arranged on 23.12.2021 from 1.15 pm – 3.15 pm for our students as a part of student induction program. She is a Scholar in Sanskrtaam & Indology and Behavioural Trainer. Founder head of Vibhu Academy, well known in the fields of Academic research and Behavioural & Soft-skills Training.



Placement Details of CSE 2021-22

| SL NO | Name | USN | COMPANY PLACED-1 | PACKAGE OFFERED | Company Placed-2 (If placed) | PACKAGE OFFERED |
|-------|------------------------|------------|-----------------------------|-----------------|-------------------------------|-----------------|
| 1 | Riddhi Jain | 1BY18CS220 | Tally Solutions | 8LPA | | |
| 2 | A Nitya Dyuthi | 1BY18CS001 | Mphasis | 4LPA | Carl Zeiss | 10LPA |
| 3 | Sakshi Agrawal | 1BY18CS135 | Tally solutions | 8LPA | Cloudera | 18 LPA |
| 4 | Likith S | 1BY18CS081 | Mphasis | 4LPA | Oracle | 8.2 LPA |
| 5 | Khuswinder Singh | 1BY18CS074 | Mphasis | 4LPA | Oracle | 8.2 LPA |
| 6 | Hritik Kumar Singh | 1BY18CS066 | Infosys | 5LPA | MoneyView | 15 LPA |
| 7 | Bhoomika N | 1BY18CS040 | Mphasis | 4LPA | SAP Labs | 14LPA |
| 8 | Anusha.C | 1BY18CS022 | Khoros | 10.54LPA | | |
| 9 | Shravya | 1BY18CS156 | Mphasis | 4LPA | | |
| 10 | Allen Benny | 1BY18CS010 | Newfold Digital (Endurance) | 15LPA | | |
| 11 | Shashiroop Hegde | 1BY18CS151 | Capgemini | 7.5LPA | | |
| 12 | Amrutha R | 1BY18CS018 | Mphasis | 4LPA | ANZ | 11LPA |
| 13 | Matta Vijaya Bhargavi | 1BY18CS226 | Capgemini | 4LPA | SAP Labs | 14LPA |
| 14 | Nikhil M | 1BY19CS407 | Capgemini | 4LPA | | |
| 15 | Ayush Jain | 1BY18CS035 | Hexaware | 6LPA | Games 24x7 | 13LPA |
| 16 | Rushikesh Chaskar | 1BY18CS127 | Newfold digital (Endurance) | 15LPA | | |
| 17 | Kirimanjeswara Anusree | 1BY18CS075 | Infosys | 5LPA | Microfocus | 10.5LPA |
| 18 | Deva Harsha BT | 1BY18CS051 | Tally solutions | 8LPA | | |
| 19 | Anvith S Shetty | 1BY18CS023 | Epsilon | 5LPA | MoneyView | 15LPA |
| 20 | Amrutha D | 1BY18CS017 | Accolite Digitals | 8LPA | | |
| 21 | R.Tanuja | 1BY18CS114 | Capgemini | 4LPA | | |
| 22 | Sneha M | 1BY18CS166 | Oracle | 8.2LPA | | |
| 23 | G M Kavya | 1BY18CS053 | Accolite Digitals | 8LPA | | |

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|----|-----------------------|------------|----------------------|-------------|-----------|--------|
| 24 | Ashutosh Kumar | 1BY18CS031 | Mphasis | 4LPA | | |
| 25 | Misba S Inamdar | 1BY18CS093 | Capgemini | 4LPA | | |
| 26 | Saurabh Prakash | 1BY18CS145 | Capgemini | 4LPA | Moneyview | 15 LPA |
| 27 | Kumuda Siri T T | 1BY18CS078 | Capgemini | 4LPA | | |
| 28 | SAHANA | 1BY18CS133 | Capgemini | 4LPA | Pharmeasy | 11 LPA |
| 29 | NAYANA | 1BY18CS100 | Capgemini | 4LPA | | |
| 30 | Manisha M | 1BY18CS090 | Capgemini | 4LPA | | |
| 31 | Kushal B Biradar | 1BY18CS079 | Capgemini | 7.5LPA | | |
| 32 | Manish B | 1BY18CS089 | Cognizant | 4LPA | | |
| 33 | Bhumika Dinesh Shetty | 1BY18CS193 | Dell | 7LPA | | |
| 34 | Ritika Verma | 1BY18CS124 | Epsilon | 5LPA | SAP Labs | 14LPA |
| 35 | Hrishi Thomas | 1BY18CS064 | Capgemini | 4LPA | | |
| 36 | Nanma S | 1BY18CS098 | Oracle | 8.2LPA | | |
| 37 | Mahitha M | 1by18cs092 | Capgemini | 4LPA | | |
| 38 | V Sai Pranav Reddy | 1BY18CS183 | Capgemini | 4LPA | LTI | 8LPA |
| 39 | Shreeharsh Gudibandi | 1BY18CS158 | Capgemini | 4LPA | | |
| 40 | M S Vishnupriya | 1BY18CS086 | Cognizant | 4LPA | | |
| 41 | Vanshika Sharma | 1BY18CS185 | Accolite | 8LPA | | |
| 42 | Ashutosh Kumar | 1BY18CS032 | Epicor | 7.5LPA | | |
| 43 | Ritika Singh | 1BY18CS123 | Accolite | 8LPA | | |
| 44 | S Bhanukiran | 1BY18CS128 | Hexaware | 5LPA | | |
| 45 | Greeshma N | 1BY18CS058 | Capgemini | 4LPA | | |
| 46 | Harshita V Pawar | 1BY18CS061 | Cognizant | 4.5LPA | | |
| 47 | Tushar Pandey | 1BY18CS180 | Epicor | 7.5LPA | Zee | 14 LPA |
| 48 | Afra Zaib Fayaz | 1BY18CS007 | Oracle | 8.2LPA | | |
| 49 | Prerana Kulkarni | 1BY18CS112 | Oracle | 8.2LPA | | |
| 50 | Harshith Patil | 1BY18CS062 | Oracle | 8.2LPA | Gainsight | 14 LPA |
| 51 | Sheetal Neeraj | 1BY18CS152 | Siemens Healthineers | (7.5+1) LPA | | |
| 52 | Sharanu | 1BY18CS148 | Oracle | 8.2LPA | | |

| | | | | | | |
|----|------------------------|------------|----------------------|------------------|------------|---------|
| 53 | S Priyanka Datta | 1BY18CS130 | Oracle | 8.2LPA | | |
| 54 | Roy George | 1BY18CS126 | Oracle | 8.2LPA | | |
| 55 | Prajwal Shenoy | 1BY18CS224 | Oracle | 8.2LPA | | |
| 56 | Bhaskar R | 1BY18CS039 | Cognizant | 6.75LPA | Pharmeasy | 11LPA |
| 57 | Aritra Paul | 1BY18CS027 | Cognizant | 6.75LPA | | |
| 58 | Siddhanth Tripathi | 1BY18CS164 | Oracle | 8.2LPA | | |
| 59 | Abhishek R Suhas | 1BY18CS003 | Cognizant | 4LPA | OSG | 8 LPA |
| 60 | Biplab Mazumdar | 1BY18CS043 | Siemens Healthineers | 8.5 LPA | | |
| 61 | Prashant Parashar | 1BY18CS110 | Oracle | 8.2 LPA | | |
| 62 | Harish Kumar S Guragol | 1BY18CS060 | Cognizant | 4LPA | | |
| 63 | Mahalakshmi J | 1BY18CS087 | Cognizant | 4LPA | | |
| 64 | Ravi Kumar Singh | 1BY18CS122 | Epicor | Internship Offer | | |
| 65 | Raksha K N | 1BY18CS117 | Capgemini | 4LPA | ANZ | 11LPA |
| 66 | Vinodkumar G | 1BY18CS189 | Congnizant | 4.5LPA | Microfocus | 10.5LPA |
| 67 | Vishnu Sastry H K | 1BY18CS190 | Pharmeasy | 14LPA | | |
| 68 | Aryan Anand | 1BY18CS030 | Intime Tec | 5.5LPA | Carl Zeiss | 10LPA |
| 69 | Sai Sparsha E | 1BY18CS134 | Accenture | 4.5LPA | | |
| 70 | Roobini G | 1BY18CS125 | Accenture | 4.5lpa | | |
| 71 | P M Suhas | 1BY18CS104 | Cognizant | 4LPA | | |
| 72 | Ramandeep Singh | 1BY18CS118 | Intime Tec | 5.5LPA | | |
| 73 | Nandini.S | 1BY18CS097 | Intime Tec | 5.5LPA | | |
| 73 | Shishir Srivastava | 1BY18CS210 | AWS | 12 LPA | | |
| 74 | Shrivathsa P | 1BY18CS160 | AWS | 12 LPA | | |
| 75 | G Rishika chowdary | 1BY18CS054 | Galaxe solutions | 4.5LPA | Games 24/7 | 13lpa |
| 76 | KARTHIK N | 1BY18CS073 | GalaxE Solutions | 4.5 LPA | Games 24x7 | 13 LPA |
| 77 | Aradhya Sinha | 1BY18CS195 | AWS | 12LPA | | |
| 78 | Vishal Jain | 1BY18CS219 | OFSS | 8.22 LPA | | |
| 79 | Sai Ritwik Reddy N | 1BY18CS095 | Accenture | 4.5LPA | | |
| 80 | Sanjana Manjunath | 1BY18CS140 | Accenture | 4.5 LPA | | |
| 81 | Tejashwini N | 1BY18CS179 | Accenture | 4.5 LPA | | |

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|-----|-------------------------|------------|------------------------|-----------|-------------------|--------|
| 82 | Harshit Dixit | 1BY18CS221 | Intime Tec | 5.5 LPA | Zee entertainment | 14 LPA |
| 83 | M Manju | 1BY18CS084 | Cognizant | 4LPA | | |
| 84 | Deep Rakesh | 1BY18CS225 | LTI | 6.5 LPA | | |
| 85 | Sinchana Shetty | 1BY18CS165 | Accenture | 4.5LPA | | |
| 86 | Sandeep Kumar | 1BY18CS136 | Gainsight | 14 LPA | | |
| 87 | Shree Ratn | 1BY18CS157 | Gainsight | 14 LPA | | |
| 88 | Ranjith Kishore A V | 1BY18CS121 | Oracle Internship | 50,000/pm | Carl Zeiss | 10LPA |
| 89 | Shreyas N Raj | 1BY18CS159 | Carl Zeiss | 10LPA | | |
| 90 | Fazal Ur Rehman | 1BY19CS402 | LTI | 8 LPA | | |
| 91 | Kumar Anurag | 1BY18CS077 | Oracle Internship | 50,000 pm | | |
| 92 | Kamakshi pujitha | 1BY18CS047 | Wipro | 3.5 LPA | | |
| 93 | Shamanth Pawar | 1BY18CS146 | Cognizant Elevate | 4 LPA | | |
| 94 | Sushmitha H M | 1BY18CS174 | Cognizant genc | 4 LPA | | |
| 95 | Shivani Hosangadi | 1BY18CS155 | Wipro | 3.5 LPA | ANZ | 9LPA |
| 96 | Balaradh Srihari | 1BY18CS037 | cognizant Genc | 4LPA | | |
| 97 | Bhumika.M | 1BY18CS041 | Wipro | 3.5 LPA | PWC | 6LPA |
| 98 | Swati Sandhya | 1BY18CS175 | Cognizant GenC | 4 LPA | | |
| 99 | Poke.Anitha | 1by19cs409 | Cognizant GenC | 4 LPA | | |
| 100 | Kanchana V S | 1BY18CS072 | Cognizant GenC | 4 LPA | | |
| 101 | Rakhi Purwar | 1BY18CS116 | Greenway Health | 6 LPA | Zee entertainment | 15 LPA |
| 102 | Pavithra P | 1BY18CS106 | Cognizant GenC | 4 LPA | SAP Labs | 14 LPA |
| 103 | A Sashank Sainath Reddy | 1BY18CS011 | Greenway health | 6 LPA | | |
| 104 | Palak | 1BY18CS223 | Zee entertainment | 14 LPA | | |
| 105 | Santhoshkumar A | 1BY18CS143 | Valtech_ | 5 LPA | | |
| 106 | Vidit Agarwal | 1BY18CS187 | MicroFocus | 10.5 LPA | | |
| 107 | Nikhil N | 1BY18CS102 | OSG | 8 LPA | | |
| 108 | Asif Ali Ahmed R | 1BY18CS033 | Cognizant Genc Elevate | 4.25 lpa | MoneyView | |
| 109 | S.Geetanjali | 1BY18CS129 | Pwc | 6 LPA | | |

| | | | | | | |
|-----|-----------------------------------|------------|---------------------------|---------|-----------|--------|
| 110 | Ankriti Pandey | 1BY18CS020 | SAP Labs | 14LPA | | |
| 111 | Kanak Dullu | 1BY18CS071 | Accenture | 4.5 LPA | MoneyView | 15 LPA |
| 112 | Chirag Arora | 1BY18CS046 | JobDost | 5LPA | | |
| 113 | Pavan V | 1BY19CS408 | LTTS | 4LPA | | |
| 114 | C Sriram | 1BY18CS044 | cognizant GenC | 4LPA | | |
| 115 | Anmol | 1BY18CS021 | Cognizant Genc Elevate | 4LPA | PharmEasy | 11 LPA |
| 116 | Sachin Naik | 1BY18CS131 | cognizant | 4LPA | | |
| 117 | Vinay Kumar Sharma | 1BY18CS217 | PwC | 6.4LPA | | |
| 118 | Somil Jain | 1BY18CS167 | Pharmeasy | 11 LPA | | |
| 119 | Sonali Saha | 1BY18CS214 | Johnson controls | 6LPA | | |
| 120 | Dhrupal Kalal | 1BY18CS052 | ANZ | 11LPA | | |
| 121 | Varsha Bang | 1BY18CS186 | Games 24*7 | 13 LPA | | |
| 122 | Shashank P | 1BY18CS150 | ALTIMETRIK | 7 LPA | | |
| 123 | Santosh Parashuram Malottar | 1BY18CS144 | Quest global | 4LPA | | |
| 124 | N. Sreenidhi | 1BY18CS096 | Zensar Technologies | 4LPA | | |
| 125 | Deepak Chaurasia | 1BY18CS197 | Quest Global | 4LPA | | |
| 126 | UJJWAL PANDEY | 1BY18CS216 | ANZ | 9 LPA | | |
| 127 | Soumil Shukla | 1BY18CS168 | Capgemini | 4LPA | | |
| 128 | Abhijith C M | 1BY18CS002 | Operative | 5.5LPA | | |
| 129 | Syed Arshad Basha | 1BY18CS227 | Quest Global | 4LPA | | |

OBE Activity

Dr.Arun kumar B.R has conducted OBE activity, Case studies on “**Application Design Issues for the Multimedia video Conferencing using Skype**” for the Course : Computer Networks and Security” for the students of 5th semester C Section and solved the same using Cooperative learning Techniques in October 2021.

Department Project presentations

| SI No: | No. of Batches | Date | No. of Students Participated | Description |
|--------|----------------|--------------------------|------------------------------|--|
| 1 | 68 | 12.07.2021 to 14.07.2021 | 243 | Various Real time projects |
| 2 | 62 | December 2021 | 235 | IOT, Block Chain , Image Processing, Network Security, |

Department Seminar presentations

| SI No: | No: of Batches | Date | No. of Students | Description |
|--------|----------------|-----------------------------|-----------------|----------------------------|
| 1 | 68 | 07.07.2021 to 10.07.2021 | 243 | Various Real time topcs |

Department Internship presentations

| SI No: | No of Batches | Date | No: of Students | Description |
|--------|---------------|-----------------------------|-----------------|------------------------------|
| 1 | 68 | 20.07.2021 to 23.07.2021 | 243 | Various Real time domains |

No. of Online Classes handled by the department

| SI No: | Department | Month | Semester | No. of Theory classes | No. of Practical's classes | No. of Video content uploaded |
|--------|------------|-----------|----------|-----------------------|----------------------------|-------------------------------|
| 1 | CSE | July | 2,4,6,8 | 377 | 38 | 348 |
| 2 | CSE | August | 2 | 28 | 8 | 0 |
| 3 | CSE | September | 1 | 32 | 13 | 0 |

PUBLICATION OF INTERNATIONAL JOURNAL BY THE FACULTY MEMBERS

1. Dr. Satish Kumar T **“An efficient Ranking model for Multiuser Social Media applications using customized Page Rank Method”**, Turkish Online Journal of Qualitative Inquiry (TOJQI), 12, no. 3, July 2021: 2314-2326, Science Research Society publication. (Scopus)
2. Prof. Vidya R, **“Modeling Of A Collective Approach For Securing Communication Over Content Centric Networks In The Perspective Of FIA”** , International Journal of computer Science and Engineering-IJCSE , ISSN:0976-5166, Volume-12 No. 6 Nov-Dec 2021 , Page no.1568-1577 - Scopus Indexed DOI : 10.21817/indjcse/2021/v12i6/211206137

INTERNATIONAL CONFERENCES ATTENDED BY THE FACULTY MEMBERS

1. Prof. Ambika G.N Presented a paper titled **“A survey on Image Emotion Analysis for online Reviews”** in 5th International conference on Intelligent Data Communication Technologies and Internet of Things , ICICI-2021 (Springer) organized by JCT college of engineering and Technology, Coimbatore, India during 27-28 August 2021.
2. Prof. Muneshwara M S, Prof. Anand R , Dr. Anil G N , **“Reduce The Privacy & Security Concerns of Current Social Media Platforms Using Block-Chain Technology”** International Conference on Advanced Network Technologies and Intelligent Computing (ANTIC-2021) , Organized By Department of Computer Science, Institute of Science, Banaras Hindu University, Varanasi, India on 17.12.2021 & 18.12.2021

BOOK CHAPTER PUBLISHED BY THE FACULTY MEMBERS

1. R. Bharathi, T. Satish Kumar, G. Mahesh, and R. Bhagya, **“Development of Diameter Call Simulations Using IPSL Tool for IMS-LTE”**, Mobile Computing and Sustainable Informatics, vol 68, pp. 647-662, Lecture Notes on Data Engineering and Communications Technologies, Springer, ISBN: 978-981-16-1866-6 (eBook), <https://doi.org/10.1007/978-981-16-1866-6>, Indexed by SCOPUS. July 2021
2. Dr Archana R A, Srihari M.R , Dr Ravindra S Hegadi , Dr Deepa Yogish. **“Predicting The Risk Of Diabetes In Healthy Population Through Machine Learning”**, Journal of Chengdu University of Technology,ISSN-NO-1671-9727,VOLUME 26,ISSUE 8 2021(Scopus)
3. Dr.Arun Kumar B.R, Prof. Sridevi M, authored a paper titled **“A Novel Approach to Predict the Longevity in Alzheimer’s Patients Based on Rate of Cognitive Deterioration using Fuzzy Logic Based Feature Extraction Algorithm”** , IJCSNS International Journal of Computer Science and Network Security, VOL.21 No.8, August 2021, PP.79-86,1, <https://doi.org/10.22937/IJCSNS.2021.21.8.11> ,(Web of Science index)
4. Dr.Arun kumar B.R. Professor, CSE has authored a chapter titled **“Developing Business-Business Private Block-Chain Smart Contracts Using Hyper-Ledger Fabric for Security, Privacy and Transparency in Supply Chain”** is published in the Book titled **“ Data Management, Analytics and Innovation”** on 18.10.2021 by Springer Nature , Switzerland in electronic and print format.

PLACEMENT TALKS BY PLACED STUDENTS

The 1st Placement talk session with Afra Zaib Fayaz and Sharanu Patil 7th sem cse , On Sunday, 3.10.2021 for an hour



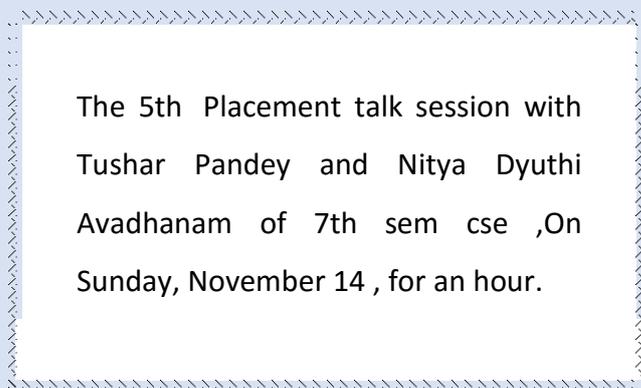
The 2nd Placement talk session with Rushikesh chaskar and Allen Benny of 7th sem cse ,On Sunday, 10.10.2021 for an hour.

The 3rd Placement talk session with Likith Srinath and Ritika Verma of 7th sem cse ,On Sunday, 31.10.2021 for an hour.





The 4th Placement talk session with Roobini G and G Rishika Chowdary of 7th sem cse ,On Monday, November 1st , for an hour.



The 5th Placement talk session with Tushar Pandey and Nitya Dyuthi Avadhanam of 7th sem cse ,On Sunday, November 14 , for an hour.



The 6th Placement talk session with Sakshi Agarwal and Vishnu Sastry of 7th sem cse ,On Sunday, November 28th , for an hour.



The 7th Placement Talk session with Asif Ali Ahmed and Hritik Kumar Singh, 7th sem CSE, on Sunday, 5.12.2021 for an hour

BMS Institute of Technology & Management
Placement Cell And PCOS Of
Department of Computer Science and Engineering
Catch Up with 2022 Batch #07
MONEYVIEW
ASIF ALI AHMED R HRIKIK KUMAR SINGH
Sunday, December 05, 5pm
<https://meet.google.com/gea-cdya-bva>

BMS Institute of Technology & Management
Placement Cell And PCOS Of
Department of Computer Science and Engineering
Catch Up with 2022 Batch #08
GAINSIGHT
SANDEEP KUMAR HARSHITH DANIEL
Sunday, December 12, 5pm
<https://meet.google.com/gea-cdya-bva>

The 8th Placement Talk session with Sandeep Kumar , Harshith and Daniel of 7th sem CSE, on Sunday, 12.12.2021 for an hour.

The 9th Placement Talk session with Roy George and Prerana Kulkarni, 7th sem CSE, on Saturday, 11.12.2021 for an hour

BMS Institute of Technology & Management
Placement Cell And PCOS Of
Department of Computer Science and Engineering
Catch Up with 2022 Batch #09
ORACLE 2.0
ROY GEORGE PRERANA KULKARNI
Sunday, December 11, 5pm
<https://meet.google.com/giy-fswm-gip>

FDP/Workshops/STTP attended by Faculty

1. Dr. Anil G.N Professor, Dept. of CSE attended a 10 days National level FDP on **“Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching”** held from 50.07.2021 to 14.07.2021 ,Organized organized by IQAC, Christopher Arts and Science College (Women) Soorangudi, Via-Nanguneri, (Affiliated to Manonmaniam Sundaranar University)Tirunelveli-627 108, Tamil Nadu, India .
2. Prof. Muneshwara M S , Asst. Prof, Dept. of CSE attended a 10 days National level FDP on **“Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching”** held from 50.07.2021 to 14.07.2021 ,Organized organized by IQAC, Christopher Arts and Science College (Women) Soorangudi, Via-Nanguneri, (Affiliated to Manonmaniam Sundaranar University)Tirunelveli-627 108, Tamil Nadu, India .
3. Dr.Usha B A, Associate Professor, Dept of CSE has attended Five Days Online FDP on **Machine Learning** during 19.07.2021 to 23.07.2021 organized by Dept of ECE, JSSATE in association with EICT Academy, IIT Kanpur
4. Dr. HemaMalini B. H, Associate Professor, Dept of CSE attended a 5 days Faculty Development Program (FDP) on **“Blockchain Technology and Cryptocurrency”** scheduled online from August 23 - 27, 2021 at the Computer Science & Engineering Department, National Institute of Technology Agartala under the aegis of AICTE Training and Learning (ATAL) Academy.
5. Prof. Jagadish.P, Asst. Prof, Dept. of CSE attended a five day AICTE ATAL FDP on **“Green Communication”** held from 24.08.2021 to 28.08.2021, Organized by Department of Electronics and Telecommunication Engineering, BMSIT&M -Bangalore.
6. Prof. Jagadish.P, Asst. Prof, Dept. of CSE attended a six day AICTE Sponsored Online STTP on **“ Data Analytics in Machine Learning Techniques(Phase 3)”** held from 23.08.2021 to 28.08.2021 ,Organized By Department Of Computer Science and Engineering, SVCE - Bangalore.

7. Dr. Archana R A , Asst. Prof, Dept. of CSE attended a Five day FDP on "**Emerging Trends in Computation**" held from 2.08.2021 to 06.08.2021 ,Organized By Department Of Computer Science and Engineering, M S Ramaiah Institute of Technology, Bangalore.
8. Dr.Lakshmi B N, Asst. Prof, Dept. of CSE attended a five day AICTE ATAL FDP on "**Green Communication**" held from 24.08.2021 to 28.08.2021 ,Organized By Department Of Electronics and Telecommunication Engineering, BMSIT&M -Bangalore.
9. Prof. Ashwini N, Asst. Prof, Dept. of CSE attended a Five day FDP on "**Emerging Trends in Computation**" held from 2.08.2021 to 06.08.2021, Organized by Department of Computer Science and Engineering, M S Ramaiah Institute of Technology, Bangalore.
10. Dr. Dhanalakshmi B K, Asst. Prof, Dept. of CSE attended a Five day FDP on "**Emerging Trends in Computation**" held from 2.08.2021 to 06.08.2021, Organized by Department of Computer Science and Engineering, M S Ramaiah Institute of Technology, Bangalore.
11. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE has actively participated and completed the Assignments and Assessments in the 7 days National level Short Term Training Program on "**Google Apps from Scratch**" from 16.08.2021 to 22.08.2021 organized by IQAC, Christopher Arts and Science College (Women).
12. Prof. Anand R, Asst. Prof, Dept. of CSE has actively participated and completed the Assignments and Assessments in the 7 days National level Short Term Training Program on "**Google Apps from Scratch**" from 16.08.2021 to 22.08.2021 organized by IQAC, Christopher Arts and Science College (Women).
13. Dr. Anil G.N Professor, Dept. of CSE attended a 10 days National level FDP on "**Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching**" held from 50.07.2021 to 14.07.2021 ,Organized organized by IQAC, Christopher Arts and Science College (Women) Soorangudi, Via-Nanguneri, (Affiliated to Manonmaniam Sundaranar University)Tirunelveli-627 108, Tamil Nadu, India .
14. Prof. Muneshwara M S , Asst. Prof, Dept. of CSE attended a 10 days National level FDP on "**Pedagogy of Teaching and Tools on E-Content Development for Effective Teaching**" held from 50.07.2021 to 14.07.2021 ,Organized organized by IQAC, Christopher Arts and Science College (Women) Soorangudi, Via-Nanguneri, (Affiliated to Manonmaniam Sundaranar University)Tirunelveli-627 108, Tamil Nadu, India .

15. Dr.Usha B A, Associate Professor, Dept of CSE has attended Five Days Online FDP on **Machine Learning** during 19.07.2021 to 23.07.2021 organized by Dept of ECE, JSSATE in association with EICT Academy, IIT Kanpur
16. Dr. Anil G N , Prof, Dept. of CSE attended a One Week Virtual International Faculty Development Program on **“Legal, Ethical and Social Issues of Digital Age: Stay Online Stay Safe”** from 01.09.2021 to 08.09.2021 Organized under the aegis of IQAC by Department of Commerce - UG , GOVERNMENT RAMNARAYAN CHELLARAM COLLEGE OF COMMERCE AND MANAGEMENT Race Course Road, Bengaluru – 560001,Affiliated to Bengaluru City University, NAAC Re Accredited B Grade, RUSA funded
17. Dr. Bhuvaneshwari C M, Prof & HOD, Dept. of CSE attended a One Week Virtual International Faculty Development Program on **“Legal, Ethical and Social Issues of Digital Age: Stay Online Stay Safe”** from 01.09.2021 to 08.09.2021 Organized under the aegis of IQAC by Department of Commerce - UG , GOVERNMENT RAMNARAYAN CHELLARAM COLLEGE OF COMMERCE AND MANAGEMENT Race Course Road, Bengaluru – 560001,Affiliated to Bengaluru City University, NAAC Re Accredited B Grade, RUSA funded.
18. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE attended a two days National Level Two days Virtual Lecture workshop on **"Diversified Applications of Machine Learning Algorithms"** from 21.09.2021 to 22.09.2021 Organized under the sponsored by Indian Academy of Science(IAS). Dept. of CSE, BMS Institute of Technology and Management, Yelahanka, Bengaluru-560064
19. Prof. Jagadish.P, Asst. Prof, Dept. of CSE attended a two days National Level Two days Virtual Lecture workshop on **"Diversified Applications of Machine Learning Algorithms"** from 21.09.2021 to 22.09.2021 Organized under the sponsorship by Indian Academy of Science(IAS). Dept. of CSE, BMS Institute of Technology and Management, Yelahanka, Bengaluru-560064.
20. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE attended a Two Weeks International Online STTP on **“Computational Techniques & Applications in Bioinformatics”** from 13.09.2021 to 25.09.2021, Organized by Department of Information Technology in Collaboration with Student Chapters of IEEE Computer Society and Association for Computing Machinery, MVSR Engineering College, Hyderabad,Telangana, India.

21. Dr. Hemamalini B H, Associate Professor, Dept of CSE, participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Blockchain Technology and Cryptocurrency**" from 23.08.2021 to 27.08.2021 at NIT Agartala.
22. Dr. ARUN KUMAR B R, Professor,CSE, BMS Institute of Technology and Management participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Nurturing today's learners to become tomorrow's leaders to face global challenges**" from 13/09/2021 to 17/09/2021 at M S Ramaiah Institute of Technology.
23. Dr.ARUN KUMAR B R, Professor, CSE, BMS Institute of Technology and Management participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP n "**Leadership and Teamwork for Education Excellence**" from 06.09.2021 to 10.09.2021 at Central University of Haryana.
24. Dr. ARUN KUMAR B R, Professor, BMS Institute of Technology and Management participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Advanced FDP on "**Cyber Security and Incident Analysis: A Practical and Investigative approach**" from 23.08.2021 to 27.08.2021 at Andhra University College of Engineering .
25. Dr. Anil G N ,Prof, Dept. of CSE attended a 7 days International workshop Virtually on "**Artificial Intelligence**" held from 15.11.2021 to 21.11.2021 ,Organized By St. Claret College,
26. Dr. Bhuvaneshwari C M, Prof & HOD Dept. of CSE attended a 7 days International workshop Virtually on "**Artificial Intelligence**" held from 15.11.2021 to 21.11.2021 ,Organized By St. Claret College,
27. Prof. Muneswara M S , Asst. Prof, Dept. of CSE attended a 7 days International workshop Virtually on "**Artificial Intelligence**" held from 15.11.2021 to 21.11.2021 ,Organized By St. Claret College,
28. Dr. Mahesh G, Associate. Prof, Dept. of CSE participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Bare Metal Programming And Real Time Operating System Programming**" from 13.12.2021 to

17.12.2021 at BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Bengaluru-560064.

29. Prof. Muneswara M S, Asst. Prof, Dept. of CSE participated & completed successfully AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "**Bare Metal Programming And Real Time Operating System Programming**" from 13.12.2021 to 17.12.2021 at BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT., Bengaluru-560064.

30. Dr. HemaMalini B. H, Associate. Prof, Dept. of CSE, participated & completed successfully AICTE Training & Learning (ATAL) Academy Online Elementary FDP on "**Data Science**" from 20.12.2021 to 24.12.2021 at Indian Institute of Information Technology, Pune.

31. Dr. HemaMalini B. H, Associate. Prof, Dept. of CSE, participated & completed successfully AICTE Training & Learning (ATAL) Academy Online Advanced FDP on "**Data Science**" from 27.12.2021 to 31.12.2021 at Indian Institute of Information Technology, Una.

Online Courses completed by Faculty

1. Dr.Usha B A, Associate Professor, Dept of CSE has Obtained online certification from **COURSERA** for the course “**Problem Solving Using Computational Thinking**” authorized by University of Michigan on 19.07.2021.
2. Dr. HemaMalini B H, Associate Professor, Dept of CSE completed the course on **UDEMY** and obtained the certificate for the 26.5 Hours course on “**The Data Science Course 2021: Complete Data Science Bootcamp**” on 29.07.2021.
3. Prof. Vidya R, Assistant Professor, CSE Department, completed a course on “**PYTHON Programming**” offered through UDEMY on 17.08.2021. Prof. Ambika G.N, Assistant Professor, CSE Department, completed a course on “**Complete Machine Learning and Data science Bootcamp 2021**” offered through UDEMY on 30.08.2021.
4. Dr. Mahesh G has completed online course in UdeMY on “**Complete Python Bootcamp from Zero to Hero in Python**” on August 2021
5. Dr. Anil G N. Professor, Dept. of CSE, has completed the 24 total hours of Course on “**Machine Learning with python (Beginner to guru)**” online course offered through UDEMY on 16.09.2021.
6. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE, has completed the 44.5 total hours of Course on “**Data Science with Python Complete Certification Training**” online course offered through UDEMY on 15.09.2021.
7. Prof. Jagadish.P, Asst. Prof, Dept. of CSE, has completed the 27 total hours of Online Course on “**Complete Ethical Hacking Bootcamp 2021: Zero to Mastery**” online course offered through UDEMY on 17.09.2021.
8. Dr Archana R A, Asst. Prof, Dept. of CSE completed course on “**Introduction to machine learning**” offered through Coursera on 04.10.2021.
9. Dr. Arun kumar B.R has completed the NPTEL online certification, “**Accreditation and Outcome Based Education**”, a 8 week course conducted by IIT, kharagpur

and successfully completed the course examination on 26th September 2021
and secured 73% with Elite class.



Webinars Attended by Faculty

1. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE, has attended the AICTE sponsored webinar on '**NEP 2020**' is a part of Short-Term Training Programme under AQIS - "**Selenium Webdriver using Python**" on 06.07/2021, organized by the Department of Master of Computer Applications, M S Ramaiah Institute of Technology, Bangalore, India.
2. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE, has attended the webinar on "**Intellectual Property Rights (IPR's) and IP Management for start-up**" on 14.07.2021 organized by Institution Innovation Council (MHRD Initiative) in association with VKIT - ISTE Chapter, Vivekananda Institute of Technology, Bengaluru 560074.
3. Prof. Muneshwara M S, Asst. Prof, Dept. of CSE, has participated in the online webinar "**IEEE Publications: Technical Writing and Enhancing Your Research**" on 28.07.2021 organised by EBSCO Information Services, Authorized dealer of IEEE.
4. Prof. Vidya R, Asst. Prof, Dept. of CSE, has attended the webinar on "**Intellectual Property Rights (IPR's) and IP Management for start-up**" on 14.07.2021 organized by Institution Innovation Council (MHRD Initiative) in association with VKIT - ISTE Chapter , Vivekananda Institute of Technology , Bengaluru 560074.

Online Course Completed by Students

| Sl no. | Student Name | sem | Course Title | Date of Completion | Platform offering Course |
|--------|--------------------------|-----|---|--------------------|----------------------------------|
| 1. | Mohammed Fuzail Malik | 5 | Programming for everybody (getting started with C) | 1 Nov 2021 | Coursera |
| 2. | Pranay Nambiar | 5 | Mathematical Thinking in Computer Science | 19 Aug 2021 | Coursera |
| 3. | Pranay Nambiar | 5 | Introduction to Environmental Law and Policy | 8 Nov 2021 | Coursera |
| 4. | Mohammed Haseeb | 3 | C for Everyone: Programming Fundamentals | 28 Sep 2021 | Coursera |
| 5. | Mohammed Haseeb | 3 | Programming for Everybody (Getting Started with Python) | 15 Oct 2021 | Coursera |
| 6. | Surabhi Raghavan | 3 | Algorithmic Toolbox | 20 Oct 2021 | Coursera |
| 7. | Shruthilaya. K | 5 | Programming for Everybody (Getting Started with Python) | 20 Oct 2021 | Coursera |
| 8. | Shruthilaya. K | 5 | Principles of Management | Dec 2021 | Great Learning Academy |
| 9. | RAJATH S | 3 | *Cyber Security and Ethical Hackings | 07-Oct-2021 | 1 Stop Keep Growing |
| 10. | RAJATH S | 3 | "Python & Network Security" | Oct 2021 | ShapeAI |
| 11. | Kevin P | 5 | SQL | 15 Nov 2021 | Sololearn |
| 12. | Jayanth R | 3 | Basics of managing money-An orientation | 29 Sep 2021 | Trainindia |
| 13. | Pramath Venkatraman Bhat | 3 | Java Programming | Oct 2021 | Great Learning Academy |
| 14. | Nikhita Srinivas | 5 | Introduction to Environmental Law and Policy | 5 Dec 2021 | Coursera |
| 15. | Santanu Agarwal | 7 | The complete 2021 Flutter Development Bootcamp with Dart | 20 Aug 2021 | Udemy |
| 16. | Smruthi N S | 5 | SQL | 29 Dec 2021 | Sololearn |
| 17. | Smruthi N S | 5 | Developing innovative Ideas for new companies: The first step in Entrepreneurship | 10 Dec 2021 | Coursera |
| 18. | Tanish Kushwaha | 5 | SQL | 2 Sep 2021 | Sololearn |
| 19. | Deepa K | 5 | SQL | 13 Nov 2021 | Sololearn |
| 20. | Harshitha GS | 5 | Carbon Taxation | 21 Nov 2021 | Unitar |
| 21. | Harshitha GS | 5 | Climate Change Negotiation and Health | 11 Nov 2021 | Unitar |
| 22. | Harshitha GS | 5 | Mastering National Adaptation Plans- from Start to end | 11 Nov 2021 | Unitar |
| 23. | Divya Verma | 5 | Introduction to Programming using Python | 30 Sep 2021 | Microsoft Associate Technologies |

| | | | | | |
|-----|--------------|---|---|---------------------|----------------------------------|
| 24. | Divya Verma | 5 | Android App Development Course 2021 (Learn without coding) | 3 July 2021 | Udemy |
| 25. | Divya Verma | 5 | Fundamentals for students Training | 26 Aug 2021 | Celonis |
| 26. | Divya Verma | 5 | AI for All -AI Appreciate | 14 Aug 2021 | Intel |
| 27. | Divya Verma | 5 | AI for All -AI Aware | 14 Aug 2021 | Intel |
| 28. | Divya Verma | 5 | Basics of managing money-An orientation | 15 Aug 2021 | Trainindia |
| 29. | Divya Verma | 5 | Interview Skills | 16 Jul 2021 | TCS ion |
| 30. | Divya Verma | 5 | Image Processing on Ramp | 9 Aug 2021 | Mathworks |
| 31. | Divya Verma | 5 | Data Analytics and Predictive Technologies | 5th -10th July 2021 | IIT Banaras Hindu University |
| 32. | Divya Verma | 5 | Project Development using Java for Beginners-2021 | 10 Oct 2021 | Udemy |
| 33. | Divya Verma | 5 | Python programming A to Z Definitive Diploma in 2021 | 21 Sep 2021 | Udemy |
| 34. | BRUNDAJA D N | 3 | Artificial Intelligence with Ptyhon | 26 Aug 2021 | Edge Neural |
| 35. | BRUNDAJA D N | 3 | Python for Beginners | 12 Nov 2021 | Sololearn |
| 36. | BRUNDAJA D N | 3 | HTML Course | 13 Oct 2021 | Sololearn |
| 37. | BRUNDAJA D N | 3 | C Course | 27 Oct 2021 | Sololearn |
| 38. | BRUNDAJA D N | 3 | Basics of managing money-An orientation | 23 Sep 2021 | Trainindia |
| 39. | BRUNDAJA D N | 3 | Image Processing on Ramp | 23 Sep 2021 | Mathworks |
| 40. | BRUNDAJA D N | 3 | Cybersecurity Essentials | 11 Aug 2021 | Cisco |
| 41. | BRUNDAJA D N | 3 | Detect Objects in Image with the custom image service | 23 Sep 2021 | Microsoft Associate Technologies |
| 42. | BRUNDAJA D N | 3 | Detect and Analyze faces with the face service | 23 Sep 2021 | Microsoft Associate Technologies |
| 43. | BRUNDAJA D N | 3 | Read Text with the computer vision service | 23 Sep 2021 | Microsoft Associate Technologies |
| 44. | BRUNDAJA D N | 3 | Create a clustering model with Azure Machine Learning Designer | 23 Sep 2021 | Microsoft Associate Technologies |
| 45. | BRUNDAJA D N | 3 | Analyze images with comuter vision service | 23 Sep 2021 | Microsoft Associate Technologies |
| 46. | BRUNDAJA D N | 3 | Classify images with the custom vision service | 23 Sep 2021 | Microsoft Associate Technologies |
| 47. | BRUNDAJA D N | 3 | Create a classsification model with Azure Machine Learning Designer | 23 Sep 2021 | Microsoft Associate Technologies |
| 48. | BRUNDAJA D N | 3 | Get started with AI with Azure | 23 Sep 2021 | Microsoft Associate Technologies |
| 49. | BRUNDAJA D N | 3 | Use automated machine learning in Azure Machine Learning | 23 Sep 2021 | Microsoft Associate Technologies |

| | | | | | |
|-----|-------------------------|---|---|-------------|----------------------------------|
| 50. | BRUNDAJA D N | 3 | Create a regression model with Azure Machine Learning Designer | 23 Sep 2021 | Microsoft Associate Technologies |
| 51. | BRUNDAJA D N | 3 | Microsoft Azure AI Fundamentals: Explore Computer Vision | 23 Sep 2021 | Microsoft Associate Technologies |
| 52. | BRUNDAJA D N | 3 | Microsoft Azure AI Fundamentals: Explore Natural Language Processing | 23 Sep 2021 | Microsoft Associate Technologies |
| 53. | BRUNDAJA D N | 3 | Microsoft Azure AI Fundamentals: Explore Conversational AI | 23 Sep 2021 | Microsoft Associate Technologies |
| 54. | BRUNDAJA D N | 3 | Microsoft Azure AI Fundamentals: Get started with artificial interlligence | 23 Sep 2021 | Microsoft Associate Technologies |
| 55. | BRUNDAJA D N | 3 | Microsoft Azure AI Fundamentals:Explore Visual Tools for Machine Learning | 23 Sep 2021 | Microsoft Associate Technologies |
| 56. | BRUNDAJA D N | 3 | Translate Text and Speech | 23 Sep 2021 | Microsoft Associate Technologies |
| 57. | BRUNDAJA D N | 3 | Create a language model with conversational language understanding | 23 Sep 2021 | Microsoft Associate Technologies |
| 58. | BRUNDAJA D N | 3 | Build a bot with the language service and Azure bot service | 23 Sep 2021 | Microsoft Associate Technologies |
| 59. | BRUNDAJA D N | 3 | Analyze text with language service | 23 Sep 2021 | Microsoft Associate Technologies |
| 60. | BRUNDAJA D N | 3 | Recognize and synthesize speech | 23 Sep 2021 | Microsoft Associate Technologies |
| 61. | BRUNDAJA D N | 3 | Building Resilient Bots using Automation 360 | 21 Aug 2021 | Automation Anywhere University |
| 62. | BRUNDAJA D N | 3 | Analyze receipts with the form recognizer service | 23 Sep 2021 | Microsoft Associate Technologies |
| 63. | BRUNDAJA D N | 3 | Automating Tasks using the automation 360 universal recorder | 21 Aug 2021 | Automation Anywhere University |
| 64. | BRUNDAJA D N | 3 | Did you know that RPA is simple yet powerful when compared to traditional automation? | 21 Aug 2021 | Automation Anywhere University |
| 65. | BRUNDAJA D N | 3 | Hello Automation 360 Bot: Getting Started with building Bots | 21 Aug 2021 | Automation Anywhere University |
| 66. | BRUNDAJA D N | 3 | Building Scalable Bots using Automation 360 | 21 Aug 2021 | Automation Anywhere University |
| 67. | RUTTANAH RUCHIT PRABHAT | 7 | Internship and Job Preparation | 4 Dec 2021 | Internshala Trainings |
| 68. | RUTTANAH RUCHIT PRABHAT | 7 | Web Development | 8 Nov 2021 | Internshala Trainings |
| 69. | Anushka Yadav | 3 | Artificial Intelligence: Search Methods for Problem Solving | Oct 2021 | NPTEL |

| | | | | | |
|-----|------------------|---|---|-------------|-----------|
| 70. | Ananya Barath | 3 | Cyber Security and Ethical Hacking | 10 Sep 2021 | 1 Stop |
| 71. | K.N.Prithvi | 5 | TCS iON Career Edge - Young Professional | 16 Dec 2021 | TCS ion |
| 72. | K.N.Prithvi | 5 | IT Project Management | 7 Nov 2021 | Coursera |
| 73. | Darshini K J | 3 | Artificial Intelligence: Search Methods for Problem Solving | Oct 2021 | NPTEL |
| 74. | Rohit Raj | 5 | Introduction to Environmental Law and Policy | 10 Dec 2021 | Coursera |
| 75. | BHAVANA N S | 3 | HTML Course | 14 Oct 2021 | Sololearn |
| 76. | BHAVANA N S | 3 | Artificial intelligence with python | 25 Aug 2021 | Coincent |
| 77. | Swarup krishna R | 3 | Artificial Intelligence | 31 Aug 2021 | Verzeo |
| 78. | Yallamraju Anuja | 5 | The complete 2022 Web development Bootcamp | 11 Dec 2021 | Udemy |
| 79. | Yallamraju Anuja | 5 | SQL | 29 Dec 2021 | Sololearn |

**Innovative Teaching techniques in Teaching Learning
Process of CSE Department**

| Sl. No | Item | Description |
|--------|-------------------------|--|
| 1 | Estudio | Estudio facility which faculty members can use to take TLP process to a higher level and to make the task of studying simpler and to achieve better results. |
| 2 | Online platforms | Faculty members use Dspace, GNUM, google drive, Google classroom etc. for discussions as well as sharing of course materials. |
| 3 | Modern Tools | Estudio, LCD Projectors Document Camera, Wireless Keyboard and mouse, Power Point Laser Presenter, Wireless Presenter, USB wireless pen mouse, Slide Changer, Wi-Fi enabled laptops are usually employed in classrooms and other student learning environments. |
| 4 | Project Based Learning | Every semester student has to complete a project-based learning as a part of their curriculum and these are evaluated based on the rubrics. OPEN DAY: PROJECT EXHIBITION at the end of every semester to exhibit the Project Based Learning (PBL) work carried out by the students of the institution, similar to IISc open day. The projects exhibit the student's ability to apply their learning to solve the real-world problems. Several hundreds of projects in the emerging areas like IOT, Block Chain, Bluetooth, Cryptography and Network Security, Data Analytics and Data Mining, Automobile, Waste management, Android, Agricultural equipment, Health etc. are exhibited and their working principles are demonstrated. Experts from the industry and reputed academic institutions are part of the Judging team. |
| 5 | Internship | Every semester break, students are advised to go for Internship activities. |
| 6 | Student club activities | Learning of concepts is encouraged through the activities of various student clubs CSI, IEEE, etc monitored by faculty coordinator. |

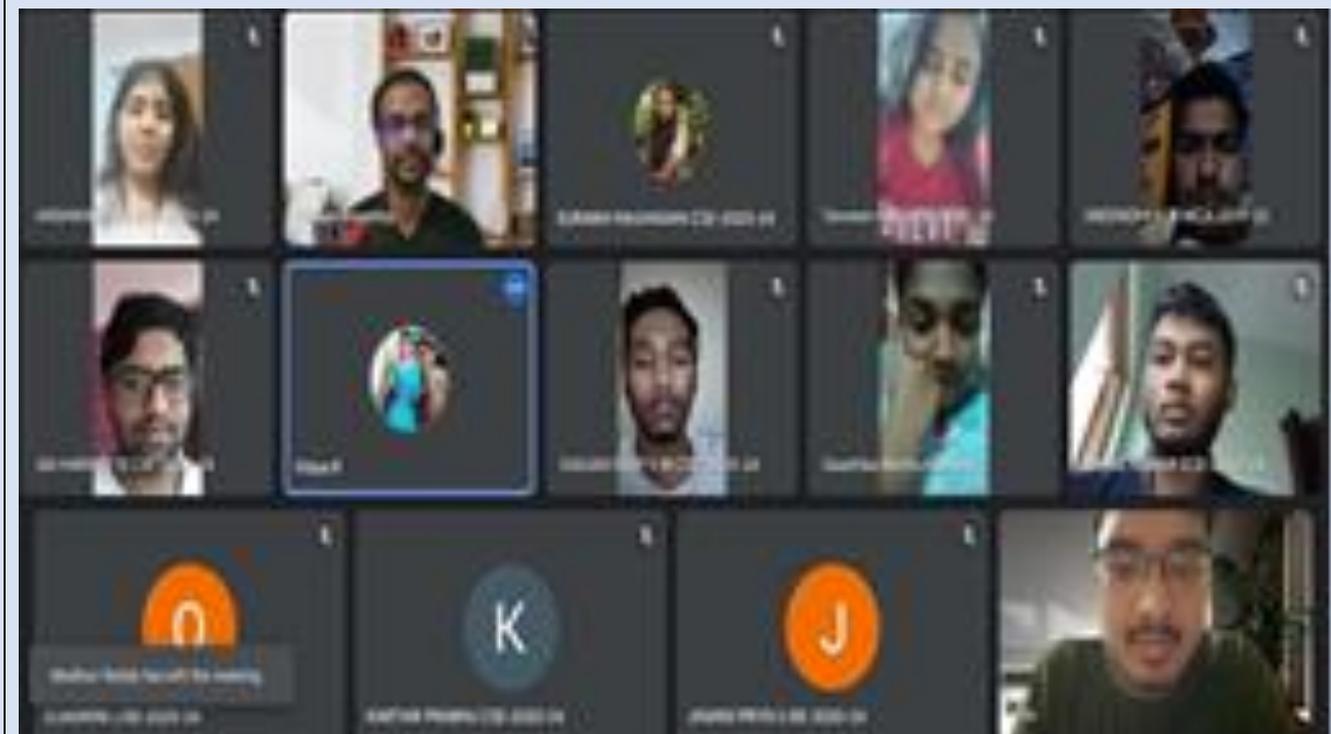
| | | |
|----|--|--|
| 7 | Innovative practices | During the lecture sessions, various innovative strategies like inquiry-based learning, team-based learning, activity-based learning, Role Play, Games, brain storming methods, flip classroom techniques are also used. |
| 8 | Animated videos, models and charts | During the lecture sessions animated videos, models, charts in TLP process. |
| 9 | Quality Course materials | The videos of the Courses and Labs are available in the college website. |
| 10 | Video conference room in the Digital Library | Students and Faculty members avail the same for the discussion and usage of expert video lectures. |
| 11 | Digital library and other Open-Source platforms | Faculty members use digital library and other Open-Source platforms to make the subject easy to understand. A copy of e – learning material is kept in individual department and in digital library. |
| 12 | STTP, FDP, MOOC courses, Conferences, Webinars and workshops | The faculty members are encouraged to participate in webinars, STTPs, FDPs, Conferences, Webinars, and workshops on advanced topics to keep pace with the advanced level of knowledge and skills. |

CSI Events Conducted in Academic Year 2020-21

Computer Society of India (CSI) has been set-up with the vision of "IT for Masses", thus enabling IT professionals and computer users to work towards making the profession an area of choice amongst all section of the society. From a humble beginning in 1965, CSI has made huge progress with a size of 100, 000 strong members consisting of professionals with varied backgrounds, including software developers, scientists, academicians and more. CSI recognized BMSIT&M as an Educational Institution member in the year 2014.

Institution Membership No: IO2129

| Sl. No | Name of the event & Resource Person | Date | Coordinator | Summary of the event |
|--------|---|---------------------|------------------|---|
| 1 | 5G Wireless Technology (Expert Talk) Mr.Vikaas Shilingappa | 28th September 2021 | Prof.Vidya R Pai | The event helped the participants improve their technical skills. It also give an idea of AI, IOT. It also give information that the growth of the IoT depends on 5G, that is why 5G is a big deal. |

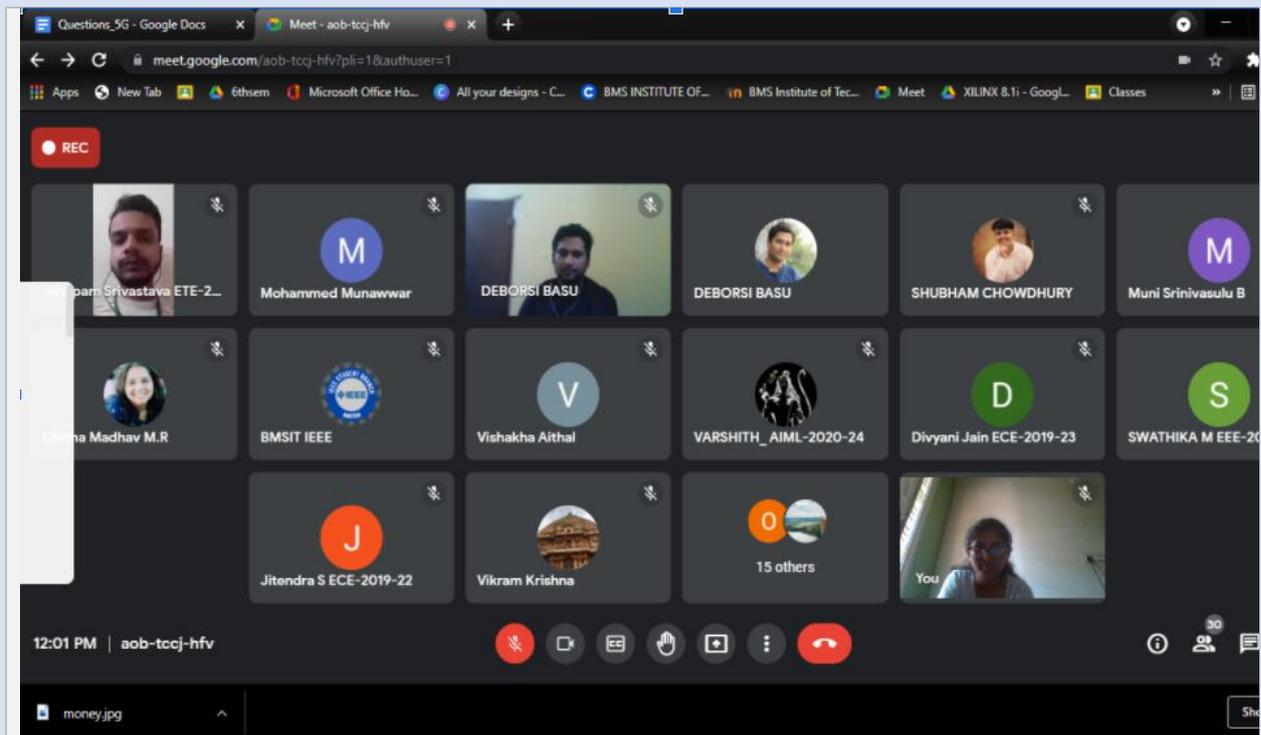


IEEE Chapter

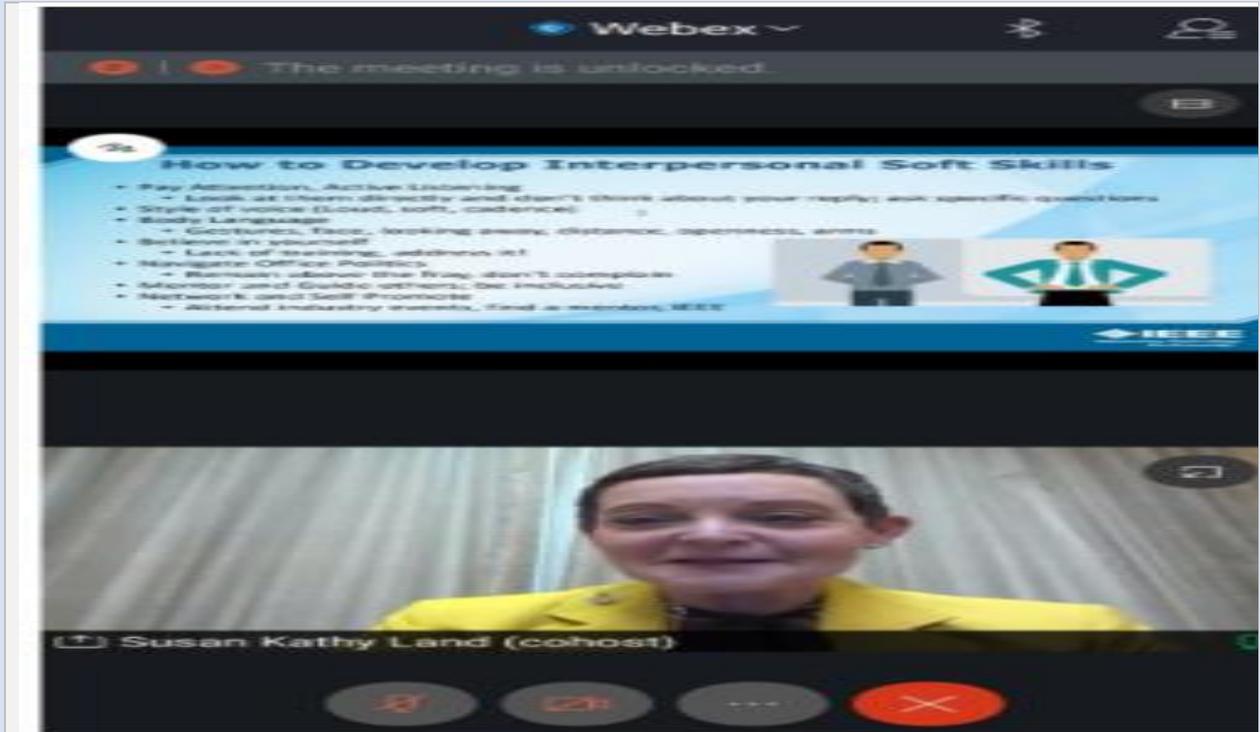
IEEE – Begin the networking for students in their area of interest and future profession. It connects IEEE with local sections and volunteer leadership. Students learn about Scholarships, Grants and Fellowships for IEEE student members. IEEE recognized BMSIT & M as an Educational Institution member in the year 2018.

Institution Membership No: STB14611

| Sl. No | Name of the Event & Resource Person | Date | Summary of the event |
|--------|---|-----------|---|
| 1 | Roadmap To 5G and Beyond Communication Mr. Deborsi Basu | 4/07/2021 | The session kicked off with an amazing introduction of the speaker followed by brief information about the recent trends regarding the 5G technology. The speaker drew the attention of participants while addressing the development stages of 5G in India and how 5G has been developed in other countries. During his session he addressed the need for 5G technology and how it can impact and bring changes by solving many daily life challenges. He shared the roadmap for the beginners who want to pursue a career in 5G domain. He gave a brief insights on his work which would motivate students to get some idea about the type of work which is followed in this domain and how students can contribute to the same. With this he completed this presentation, and handed over the session to students for a Q&A session to get their doubts cleared. The session had ended with a vote of thanks by Akshaya NA, Chairperson of IEEE SPS BMSIT&M. |



| | | | |
|----------|---|-------------------|---|
| <p>2</p> | <p>Webinar on Soft Skills Ms Susan Kathy Land</p> | <p>17/07/2021</p> | <p>The webinar was organized on the topic of Soft Skills. We had the IEEE President 2021, Ms Susan Kathy Land as the speaker of the event. The event started with the speaker introducing us to the key points of soft skills and how to inculcate them. The talk was very grasping as it included several real-world examples. We were introduced on how to communicate effectively and how to work in a team. Finally, we had a very interactive Q&A session where Ms Susan Kathy Land answered all the audience’s questions along with examples of experiences she faced in her career. Overall it was a fun and fruitful event.</p> |
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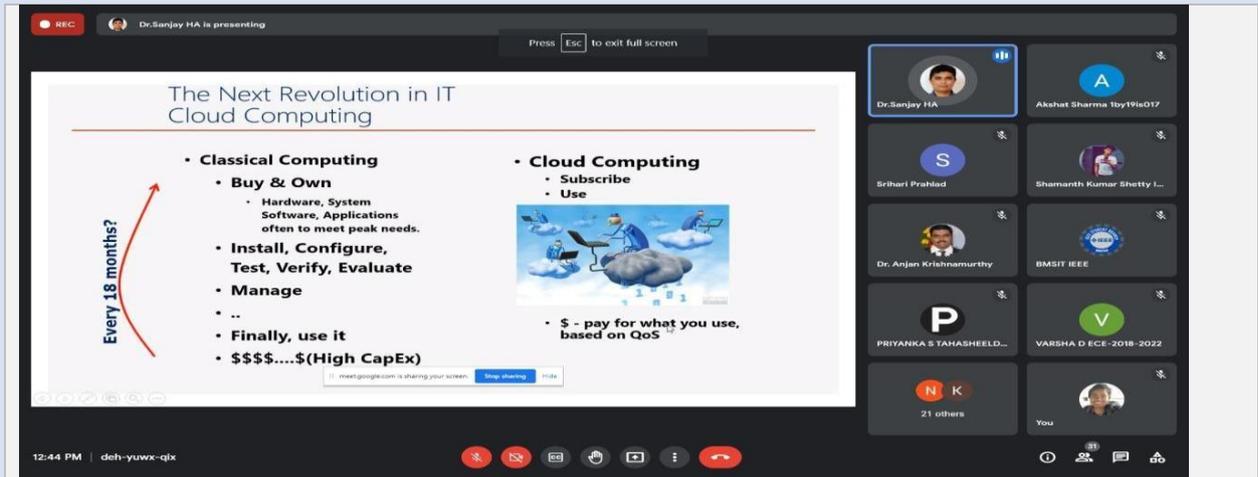


3

Girl Geeks Session 1
Dr. Sanjay H A

17/07/2021

The speaker for this event was Dr. Sanjay H A. He is a research pioneer in the field of cloud computing and blockchain technology. He is a B.E graduate from Kuvempu University. He did his master’s in computer science and engineering from Visvesvaraya Technological University and he got his Ph.D. from the Indian Institute of Science (IISc). Dr. Sanjay H A is now a professor and head at Nitte Meenakshi Institute of technology. The speaker Dr. Sanjay H A started by explaining about “Cloud Computing”. He also talked about the importance of cloud computing in the modern world. The speaker walked the attendees through the evolution of cloud computing and the next revolution of cloud computing explaining each stage in detail. He also pointed out the challenges faced in maintaining the hardware and software for cloud computing. Virtual machines were explained in detail. The benefits of containers and containerization were thought in brief. After the session was concluded there was Q&A session where the speaker answered the participant’s questions.



4

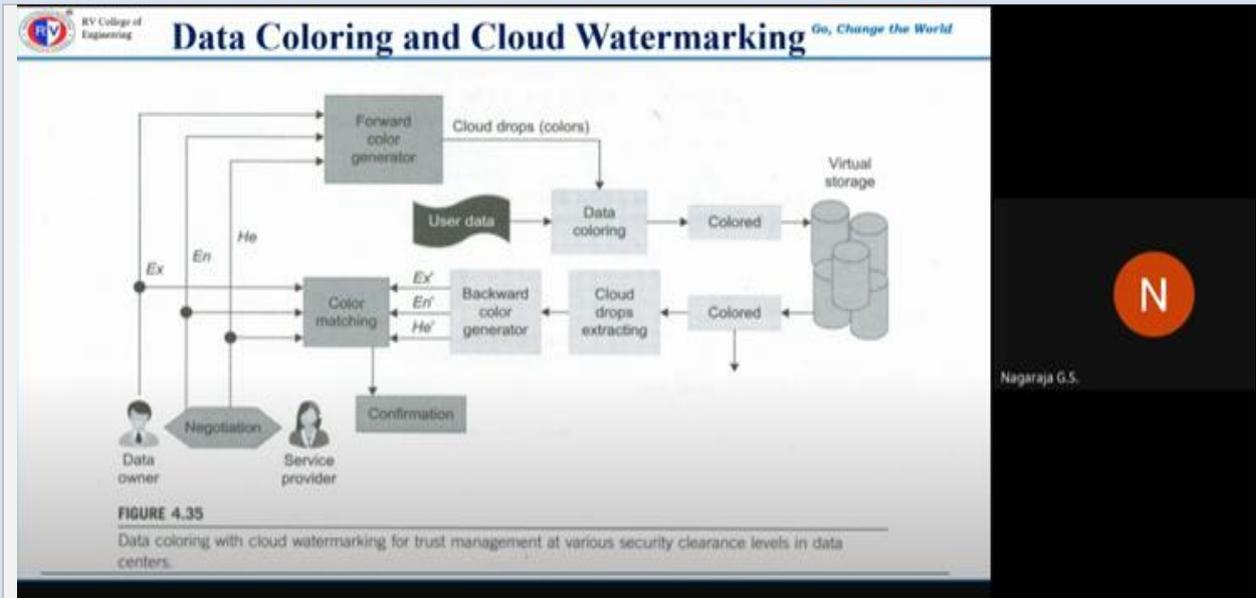
Girl Geeks Session 2
Dr.Srikanth Prabhu

24/07/2021

Our speaker for this session was Dr.Srikanth Prabhu. He did his M.Sc in Mathematics and specialization in computer science from Sri Sathya Sai Institute of Higher Learning. He has also done his M.tech in computer science and Ph.d from IIT (Indian Institute of technology), Kharagpur. In the last session the attendees had learnt about cloud computing, different types of clouds and their various applications. In this session our speaker Dr.Srikanth Prabhu talked about cloud computing and Distributed Health Care. In this session our speaker explained the application of cloud computing in the area of health care. Dr.Srikanth Prabhu started by explaining what a distributed system is, later he talked about various parts or steps in distributed systems. Then he explained the working of various biometric systems (finger print, faces and retina) explaining each with a real time example. Then he gave a hands-on demonstration of a face generation case study. Later in the session the speaker explained about the health care systems that use cloud computing.



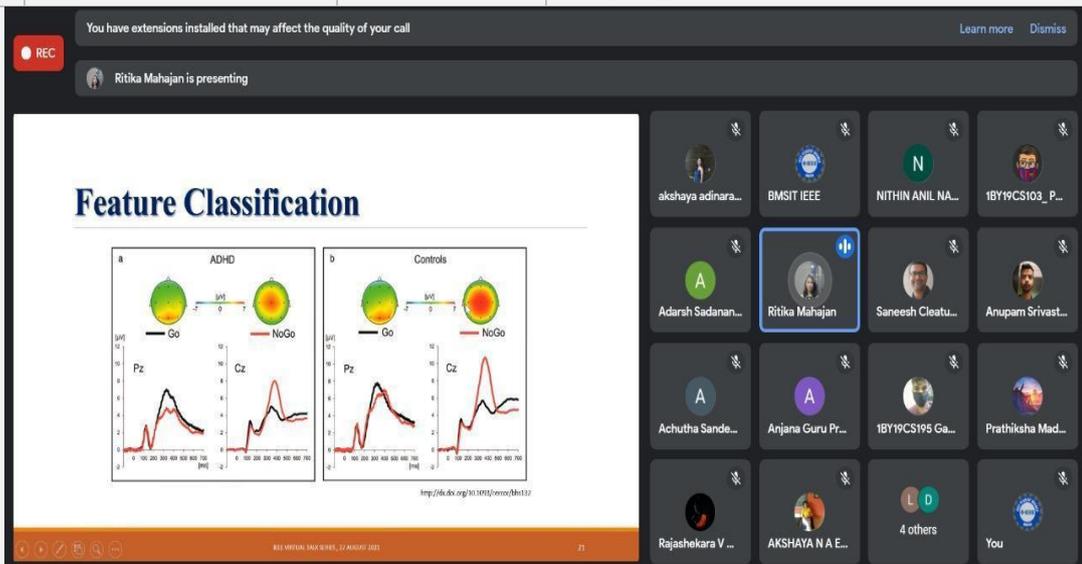
| | | | |
|----------|--|-------------------|--|
| <p>5</p> | <p>Girl Geeks Session 3 Dr. Nagaraja G.S</p> | <p>31/07/2021</p> | <p>The speaker for this event was Dr. Nagaraja G S. He is associate dean of the department of computer science engineering at R V college of engineering. He has 26 years of experience in teaching and around 16 years of experience in research in Computer networks. He has worked on various projects sanctioned by UGC and VTU. He has also published various papers in international conferences. The speaker Dr. Nagaraja G S gave a talk on research challenges in cloud security and trust management. Dr. Nagaraja G S started with a brief introduction about Cloud Computing. Then he went on to explain about the research challenges in the various areas of cloud security. He also talked about trust management. Later in the session he explained about different dimensions of cloud computing.</p> |
|----------|--|-------------------|--|



Nagaraja G.S.

| | | | |
|----------|---|-------------------|--|
| <p>6</p> | <p>Girl Geeks Session 4 Ms. Sangetta Shetty</p> | <p>07/08/2021</p> | <p>The speaker for the last session of Girlgeeks was Ms. Sangeeta Shetty. She did her masters in computer science. Ms. Sangeeta is the cloud security architect at IBM. She is an accomplished information security professional with 20 years of experience in the IT field, with a successful track record of implementing medium and large scale IT security projects. The speaker gave a very brief introduction about cloud computing. Then the speaker explained about cloud service delivery models and also about key drivers for cloud adoption. Later the speaker familiarized the audience with the top security challenges for cloud adoption and also the challenges with hybrid cloud security. Then the speaker explained the key security considerations in the public cloud. At the end of the session there was a Q&A session where the speaker answered questions of the audience. It was a very interactive session.</p> |
| <p>7</p> | <p>EEG Cognition and Signal Processing Ms. Ritika Mahajan</p> | <p>27/08/2021</p> | <p>The speaker of this session was Ms. Ritika Mahajan. She graduated from HPTU with B.Tech in electronics and communication followed by MTech in Biomedical Engineering from NIT Kurukshetra. Her research area is EEG signal processing and cognition and binaural beats carried out in collaboration with INMAS, DRDO. She has published 3 papers (2 chapters and 1 article) in reputed journals and</p> |

represented her work in national and international conferences. After her bachelor's, she has served her duties as a lecturer in Vaishno College of Engineering, Himachal. She is recently working towards the application of biomedical signals for early detection of diabetic neuropathy, Parkinson's and improving mental health through music and binaural beats. The session commenced with an amazing introduction of the speaker followed by a brief description of Signal Processing by the speaker. After a quick intro about Signal Processing, the speaker gave insights on what cognition means and how EEG is helpful in reading signals obtained from different activities of Brain. Steps involved while processing signals from EEG which involves pre-processing, filtering (which helps in selecting the required band, removing an disturbing signals from the extracted signals, etc), feature extraction, feature classification and BCI application. All these steps was well explained with an example which made the session more insightful. With this she completed her presentation, and handed over the session to students for a Q&A round to get their doubts cleared. The session, ended with a vote of thanks by Poorvik, member IEEE SPS BMSIT & M.

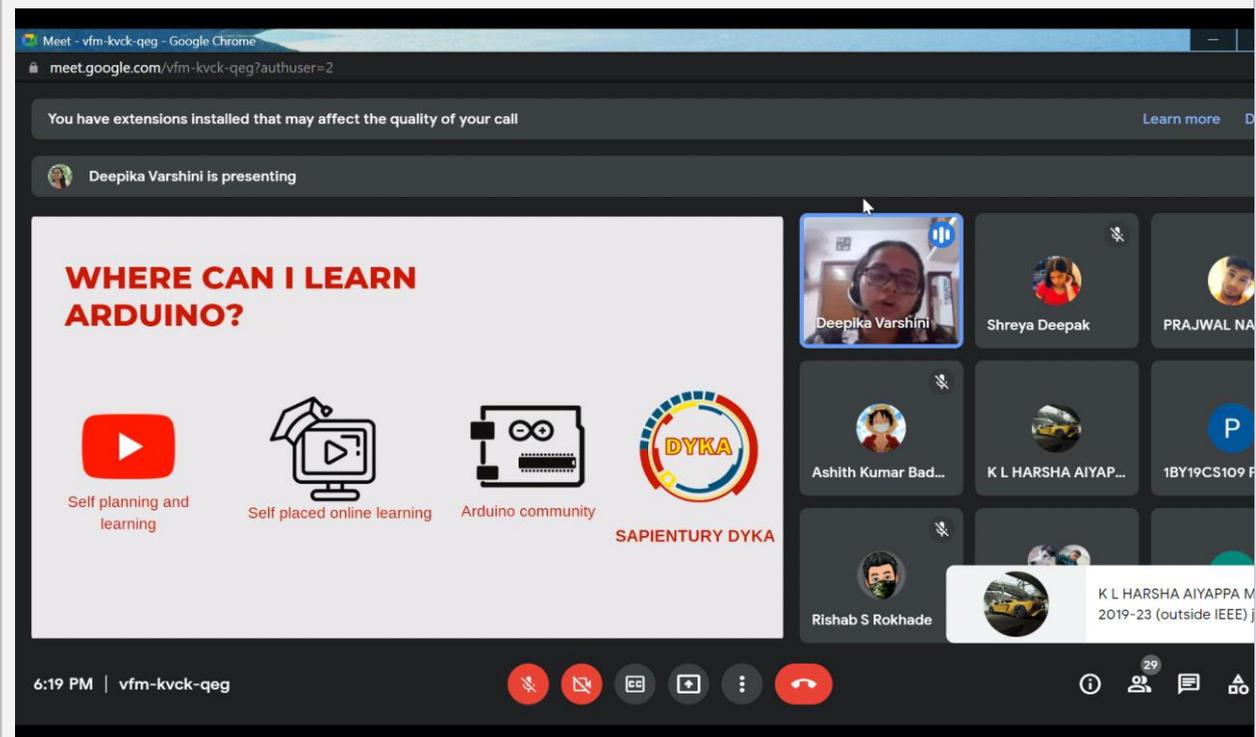
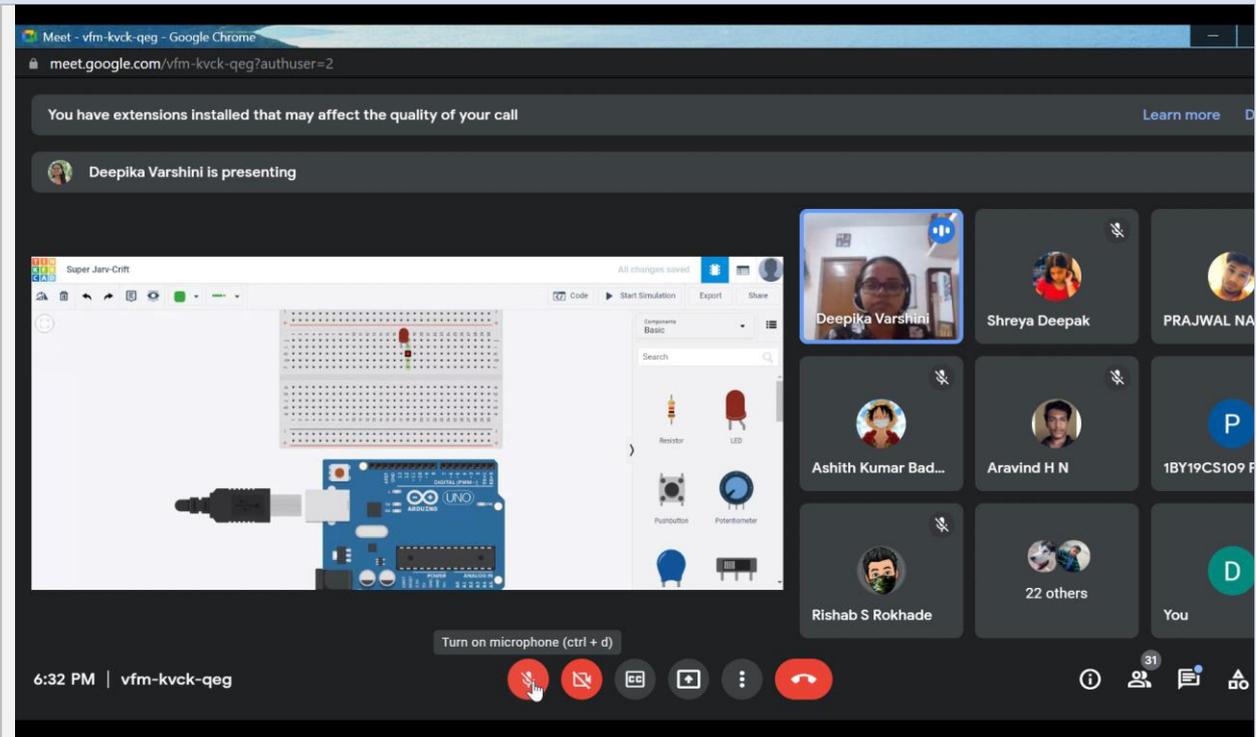


8 webinar on Arduino for Beginners
Ms. Deepika Varshini R

23/09/2021

The webinar was led by Deepika Varshini R, the Business Development Manager at Sapientury. Previously she has worked as the head of Customer Success in The Vimana. She

| | | | |
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| | | | <p>has pursued her Bachelor's degree from R V College of Engineering, Bangalore in the field of Aerospace Science and Technology. She holds various certificates, The Strategy of Content Marketing, from the University of California, Google Analytics for Beginners, Integrated Marketing Communications from IE Business School. Ms. Deepika has also volunteered in the AERO CONFER 2019 and has also been the Sponsorship and Finance Head at Hultz Prize India. She has won the first prize in the Case Study competition at the National Student Space Challenge conducted by IIT Kharagpur. Ms. Deepika is an enthusiastic learner who enjoys exploring different opportunities in the field of Engineering. The webinar on Arduino was conducted on Google meet for an hour from 6 pm to 7 pm on 23rd September 2021. Approximate of 30 participants attended the event. A PowerPoint consisting of the introduction to Arduino was presented which was followed by a small video on the various projects made using Arduino was played. Ms. Deepika then simulated a few experiments on TinkerCad which was the highlight of the event. A few questions were taken up at the end of the session. The webinar gave us deeper insights into the various applications of Arduino and motivated many of us to get innovative ideas into the real world using Arduino.</p> |
|--|--|--|--|



| | | | |
|---|---|------------|--|
| 9 | Solving Real Life Problems using AI and Signal Processing Dr. Anubha Gupta | 31/10/2021 | The speaker of this session was Prof Anubha Gupta. She graduated with a Ph.D. degree in Electrical Engineering from IIT Delhi in 2006. She did her bachelor's and master's in ECE from Delhi University in 1991 and 1997, respectively. She started her professional career with the position of Assistant Director at ALL India Radio (through Indian Engineering |
|---|---|------------|--|

| | | | |
|--|--|--|---|
| | | | <p>Services) in 1993 and worked there until Feb. 1999. In Feb. 1999, she joined Netaji Subhas Institute of Technology (NSIT), Dwarka, Delhi. She worked as Assistant Professor in the Computer Engineering Department at NSIT for eight years. From July 2011 to Dec. 2013, she worked as associate professor at IIIT Hyderabad. In Dec 2013, she joined IIIT Delhi, where she is currently working as a professor in the Department of Electronics and Communication Engineering. She has authored/co-authored more than 100 technical papers in scientific journals and conferences. She has published research papers in both engineering and education. Her research interests include biomedical signal and image processing including fMRI, MRI, EEG, ECG signal processing, genomics signal processing in cancer research, Wavelets in deep learning, and signal processing for communication engineering. Prof. Gupta is a senior member of IEEE Signal processing Society and a member of IEEE Women in Engineering Society. She is Associate Editor of IEEE Access journal, Associate Editor of IEEE Signal Processing Magazine newsletter, and Chair, IEEE SPS Delhi Chapter. The session commenced with an amazing introduction of the speaker followed by a brief description of the research work done by the speaker. After a quick intro about her research work which included cancer image processing, genomics, survival analysis, etc Speaker gave insights on what MRS (Cancer Risk Staging Calculator for multiple myeloma) means. She also gave some conceptual clarity on what is MM using Genetic features involves. Steps involved while processing signals from ECG which involves pre-processing, filtering (which helps in selecting the required band, removing an disturbing signals from the extracted signals, etc), feature extraction, feature classification and ICA and clean data. All these steps was well explained with an example which made the session more insightful. With this she completed her presentation, and handed over the session to students for a Q&A round to get</p> |
|--|--|--|---|

their doubts cleared. The session, ended with a vote of thanks by Akshaya, President IEEE SPS BMSIT & M.



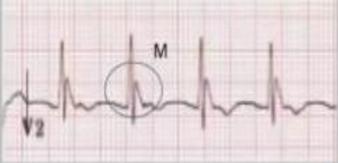
Some Interpretable Results



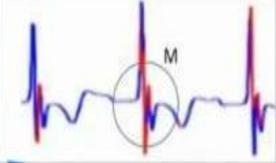
7 (a). Normal Lead V2 ECG



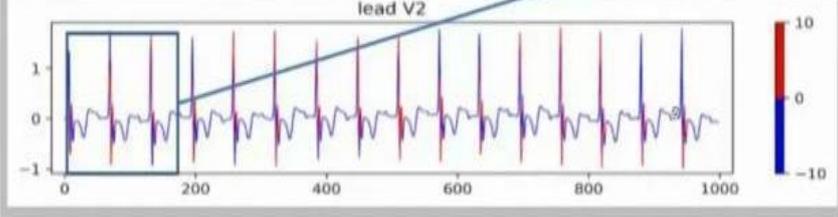
7 (b). Reference M wave in V2 lead ECG



7 (c). Our Model generated M wave in v2



lead V2



M wave highlighted in Lead V2 of ECG of a patient having Right Bundle Branch Block-- 7(a); Showing Lead V2 of a normal ECG; 7(b); Mwave in lead V2 was observed in previous literature and studies; and 7(c): a part of ECG (shown at the bottom of the figure) pointing to M wave highlighted in red color by our AI model. (On Y axis- left side each unit is equal to 10mm, right side color bar indicates SHAP values, red color indicated part of ECG highly contribute to AI decision, X-axis is in milliseconds) 15



Anubha Gupta

Events conducted by the Department of CSE 2020-21

| Type of Event | Date | Resource Person | Topics Handled |
|---|----------------------|---|--|
| National Level “Two days Virtual Lecture Workshop on “Diversified Applications of Machine Learning Algorithms | 21-22 September 2021 | 1. Dr. Vishwas Bapat Convener 2. Dr. Nagsuma Chandra IISC 3. Dr. Shivakumara Palaiahnakote, Associate Professor, University of Malaya 4. Dr. Shashidhar Koolagudi, NITK, Surathkal 5. Mr. Arunjit Chowdhury, CEO, EBTS | The massive and rapid advancements in both biological data generation and machine learning methodologies Biology for Engineers. Applications of ML in Biology. Regression Analysis Model. Supervised and Unsupervised Machine learning algorithms with case study. Data mining Techniques, Clustering and Classification Problems. |

The screenshot shows a Webex meeting interface. At the top, there is a meeting bar with the name 'Shivakumara' and a 'Connected' status. Below this, a grid of participant thumbnails is visible, including 'anita mhatre', 'Amanpreet Kaur', 'vidya R', 'BHUVANESHWARI MELINA...', 'anitha rao', 'Annapoorna Shetty', and 'Archana P'. The main content area is split into two parts. On the left, a slide titled 'Motivation' is displayed with the following text:

Motivation

- How to **survive** in the same field without changing area and domain?.
- State-of-the-Art of Text detection and Recognition in video/scene images.
- How are the challenges or problems **evolving** according to situations?
- **New Applications**
 - Challenges (**Complex problem**)
 - Ideas
 - Features

On the right, a video feed shows a man wearing glasses and a headset, identified as 'Shivakumara'. The background of the video feed is a plain wall.

The screenshot shows a Webex meeting interface. The main content area displays a presentation slide with the following text:

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
YELAHANKA, BENGALURU - 560064
Department of Computer Science and Engineering
PRESENTS
VIRTUAL LECTURE WORKSHOP ON
"DIVERSIFIED APPLICATIONS OF MACHINE LEARNING ALGORITHMS"
A PRESENTATION ON
BASICS OF AI ML AND APPLICATIONS IN
SPEECH PROCESSING
DELIVERED BY:
SHASHIDHAR G. KOOLAGUDI
NATIONAL INSTITUTE OF TECHNOLOGY KARNATAKA,
SURATHKAL
KOOLAGUDI@NITK.EDU.IN

At the bottom of the slide, there is a list of participants: 'vidya R', 'Shashidhar', 'BMSIT&M', 'BHUVANESHWARI MELINA...', and 'anita mhatre'. The 'Shashidhar' participant is highlighted with a blue box. The meeting controls at the bottom include 'Unmute', 'Start video', 'Share', and 'Participants'.

The image is a detailed announcement for a virtual lecture workshop. It features the BMS Institute of Technology and Management logo at the top left. The text reads:

BMS Educational Trust®
BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
Doddaballapur Main Road, Avalahalli, Yelahanka, Bengaluru-560064.
Recognized by AICTE & Affiliated to VTU All eligible programmes are NBA accredited & Awarded 'A' Grade by NAAC, Member of IIC-MHRD & UGC
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
Organizing
INDIAN ACADEMY OF SCIENCES, BANGALORE, SPONSORED

Below the text are three logos: the Indian Academy of Sciences logo, the BMS Institute of Technology and Management logo, and the National Institute of Technology Karnataka logo. The main title of the workshop is:

VIRTUAL LECTURE WORKSHOP ON
"DIVERSIFIED APPLICATIONS OF MACHINE LEARNING ALGORITHMS"
Date: 21st & 22nd September 2021

At the bottom, the names and titles of the organizers are listed:

Dr. Bhuvaneshwari C.M
HoD, Computer Science & Engg.
Dr. Mohan Babu G.N.
PRINCIPAL

Awards received by Students

| STUDENTS NAME | AWARDS |
|---------------|---|
| 2021-22 | |
| Jatin G Nair | <p>Winner in Table Tennis Inter Collegiate Bangalore North Zone Tournament held at shri Vidya Institute of Technology from 24-11-2021 to 25-11-2021</p>  |
| 2020-21 | |
| Ms.Roobini G | <p>Certificate of appreciation for volunteering for 7th International Conference on Electronics, Computing and Communication Technologies, IEEE CONEECT (July 09-11, 2021) organised by IEEE Bangalore Section.</p> |

Publications in Inter Institute Events by Students

| YEAR | STUDENTS NAME | TITLE | PLACE & DATE |
|---------|---|---|---|
| 2020-21 | Mr. A R Sumukha, Mr. Arun R Shenoy, Mr. Kevin Biju, Mr. Charan Kalshetty | Implementation Of Peer To Peer Social Media Network Using Block-Chain | International Journal of Aquatic Science ISSN: 2008-8019 Volume 12, Issue 02, August 2021 |
| | Abhishek V, Anant Shukla, Anuj V, Prasanth Kumar Reddy K | Resume Screening and Ranking with spaCy | Turkish Online Journal of Qualitative Inquiry (TOJQI) Volume 12, Issue 7, July 2021: 9116-9123 |
| | Bindu B, Amrutha R, Arpitha G B, V. Divya | Human Emotion Recognition system using deep learning approach | journal of advanced research in dynamica and control system, Vol 2, issue 6, Publisher Institute of Advanced Scientific Research. |
| | Aman Rai | A Novel Approach for AES Encryption– Decryption Using AngularJS | Springer Publication, Part of Lecture Notes on Data Engineering and Communication Technologies, bookseries (LNDECT, volume 58), pp 1183-1197.03 June 2021 |
| | Aman Rai | An Ameliorated Methodology to Predict Diabetes Mellitus Using Random Forest | Published as book chapter in Data Science and Data Analytics.: Opportunities and Challenges. |

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