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 each 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 35 qualified and experienced facultymembers with Nineteen Doctoral degree holders in different domains. The department has a team of highly-skilled, motivated, proficient faculty, 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 Fifty 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 college is granted Autonomous.

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 poisedto 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
BE, M.Tech, D.Sc,

Professor & Dean (Academics)

Professors

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

Dr. Arunkumar B R

BSc, MCA,M.Phil(CS),

M.Tech (CSE), PGDIPR-NLSIU, PhD

Associate Professors

Dr.HemaMalini B H

BE M.Tech, Ph.D

Mrs. Bharathi.R

BE, M.Tech, (Ph.D)

Dr. Usha B A

BE-CSE, Mtech-CSE, PhD

Dr. Mahesh G

B.E, M.Tech,PhD

Dr. Anjan Krishnamurthy

BE, M.Tech, PhD

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)

Mr. Muneshwara M S

BE, M.Tech, (Ph.D)

Mr. Anand.R

BE, M.Tech, (Ph.D)

Mrs. G.Y.Durga Devi

B.Tech, M.Tech,(Ph.D)

Mrs. Shruthi.J

BE, M Tech, (Ph.D)

Mr. Jagadish.P

BE, M.Tech, (Ph.D)

Mrs. Durga Bhavani A

B.Tech, M.Tech,(Ph.D)

Mr. Rajesh N V

BE, M.Tech,(Ph.D)

Mrs. Chetana C

BE, MTech

Ms. Ambika G.N

BE, M.Tech, (Ph.D)

Mrs. Vidya Rajesh Pai

BE, M.Tech, (Ph.D)

Dr. Ashwini N

BE, M Tech, (Ph.D)

Mrs. Mari Kirthima

BE, ME, (Ph.D)

Dr. Radhika K R

BE, M.Tech, (Ph.D)

Mr. Guruprasad S

BE, M.Tech, (Ph.D)

Dr. Srivani P

BE, M.Tech, (Ph.D)

Mr. Ravi Kumar B N

BE, M.Tech, (Ph.D)

Mr. Shankar R

BE, Me, (Ph.D)

Dr. Arunakumari B N.

BE, Mtech, (Ph.D)

Dr. Lakshmi B N

BE, Mtech, (Ph.D)

Dr. Manoj H M

BE, Mtech, (Ph.D)

Dr. Dhana Lakshmi

B.E., M.Tech, (Ph.D)

Dr. Archana R A

B.E., Mtech, (Ph.D)

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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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

CITY READ

BSN BLOCK

YOUTH EMPOWERMENT

Youth empowerment centre inaugurated at city-based education institution

Honeywell Center of Excellence for Youth Empowerment was inaugurated in BMS Institute of Technology and Management Yelahanka recently. The centre aims to empower the students of the institution with digital skills such as big data analytics, artificial intelligence, robotic process automation and much more. The center will also train 138 students on advanced technologies, provide global certification from tech giants and facilitate placements for certified students.

ಹನಿವೆಲ್ ಸೆಂಟರ್ ಆಫ್ ಎಕ್ಸಲೆನ್ಸ್ ಆರಂಭ

ಯಲಹಂಕ: ಬಿಎಂಎಸ್ ತಾಂತ್ರಿಕ ಮತ್ತು ನಿರ್ವಹಣೆ ಮಹಾವಿದ್ಯಾಲಯದಲ್ಲಿ ಯುವ ಸಬಲೀಕರಣಕ್ಕಾಗಿ ಹನಿವೆಲ್ ಸೆಂಟರ್ ಆಫ್ ಎಕ್ಸಲೆನ್ಸ್ ಅನ್ನು ಉದ್ಘಾಟಿಸಲಾಯಿತು.

ಬಿಗ್ ಡೇಟಾ ಅನಾಲಿಟಿಕ್ಸ್, ಎಐ, ಎಂಎಲ್, ಆರ್‌ಪಿಎ ಮುಂತಾದ ಡಿಜಿಟಲ್ ಕೌಶಲಗಳೊಂದಿಗೆ ವಿದ್ಯಾರ್ಥಿಗಳನ್ನು ಸಬಲೀಕರಣಗೊಳಿಸುವ ಗುರಿಯನ್ನು ಕೇಂದ್ರ ಹೊಂದಿದೆ. 138 ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ತರಬೇತಿ ನೀಡಲಿದೆ. ಟೆಕ್ ಕಂಪನಿಯಿಂದ ಜಾಗತಿಕ ಪ್ರಮಾಣೀಕರಣ ಒದಗಿಸಿ, ಪ್ರಮಾಣೀಕೃತ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಉದ್ಯೋಗಾವಕಾಶಗಳನ್ನು ಕಲ್ಪಿಸಲಿದೆ.

ಹನಿವೆಲ್ ಇಂಡಿಯಾದ ಅಧ್ಯಕ್ಷ ಆಶಿಶ್ ಗಾಯಕ್ವಾಡ್ ಅವರು, 'ಈ ಕಂತ್ರಜ್ಞಾನ ಕಾರ್ಯಕ್ರಮಗಳು ಕೈಗಟುಕುವ ಮತ್ತು ಸಮಾಜದ ಎಲ್ಲವರ್ಗದ ಜನರಿಗೂ ಲಭ್ಯವಾಗಬೇಕು' ಎಂದು ತಿಳಿಸಿದರು.

ಸರ್ಕಾರ ಮತ್ತು ಕಾರ್ಪೊರೇಟ್ ಉಪಕ್ರಮಗಳ ಮುಖ್ಯಸ್ಥ ಎಲ್.ಸುರೇಶ್ ಬಾಬು ಮಾತನಾಡಿ, 'ತಂತ್ರಜ್ಞಾನವು ವಿಕಸನಗೊಂಡಂತೆ ಕೌಶಲ, ಉದ್ಯೋಗ ಮತ್ತು ಆರ್ಥಿಕ ಅಭಿವೃದ್ಧಿಗೆ ಪೂರಕವಾಗಲಿದೆ' ಎಂದರು.

ಪ್ರಾಂಶುಪಾಲ ಡಾ.ಜೊನ್. ಮೋಹನ್ ಬಾಬು, ಡೀನ್ ಡಾ.ಹೇಮಾ ಸಿಂಗ್, ಕಂಪ್ಯೂಟರ್ ವಿಜ್ಞಾನ ಮತ್ತು ಎಂಜಿನಿಯರಿಂಗ್ ವಿಭಾಗದ ಮುಖ್ಯಸ್ಥೆ ಡಾ.ಸಿ.ಎಂ.ಭುವನೇಶ್ವರಿ ಇದ್ದರು.

Honeywell

ICTACADEMY

Inauguration of

CENTER OF EXCELLENCE FOR YOUTH EMPOWERMENT

09 Nov 2021
03:30 pm onwards

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT
BENGALURU, KARNATAKA

INAUGURAL SPEAKERS

Ashish Gaikwad
Dr. Mohan Babu G N
Dr. Seema Singh
Dr. Bhuvaneshwari C M
Dr. HemaMalini B H
Suresh Babu L

www.ictacademy.in/honeywell

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 back-seat 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 runs 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 12
25 Dec 2021

ಲಾಭದ ಹಣ ಸರ್ಕಾರಕ್ಕೆ ನೀಡಿದ ಬಿಇಎಂಎಲ್

ಬೆಂಗಳೂರು: ಬಿಇಎಂಎಲ್ ತನ್ನ ಲಾಭಾಂಶದ 13.50 ಕೋಟಿ ರೂ. ಡಿವಿಡೆಂಟ್ನ್ನು ಕೇಂದ್ರ ಸರ್ಕಾರಕ್ಕೆ ಸಲ್ಲಿಸಿದೆ.
ದೆಹಲಿಯಲ್ಲಿ ನಡೆದ ಕಾರ್ಯಕ್ರಮದಲ್ಲಿ ಬಿಇಎಂಎಲ್ ಅಧ್ಯಕ್ಷ ಅಮಿತ್ ಬ್ಯಾನರ್ಜಿ 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 ಸಮಾಜದ ಸುಧಾರಣೆಗೆ ಪೂರಕವಾಗಿರಬೇಕು ಎಂದು ಬಿಎಂಎಸ್ಐಟಿ ಕಾಲೇಜಿನ ವ್ಯಾಂಶುಪಾಲ ಡಾ.ಮೋಹನ್ ಬಾಬು ಜಿ.ಎನ್ ಹೇಳಿದರು.
ಗುರುವಾರ ಫಾರೆನ್ಸಿಕ್, ಅನಾಲಿಟಿಕ್ಸ್, ಬಗಡೇಟಾ ಮತ್ತು ಸೆಕ್ಯುರಿಟಿ ವಿಷಯಕೆಯಡಿ ಯಲಹಂಕದ ಬಿಎಂಎಸ್ಐಟಿ ಕಾಲೇಜಿನಲ್ಲಿ ಎರಡು ದಿನಗಳ ಇಂಟರ್ ನ್ಯಾಷನಲ್ ಕಾನ್ಫರೆನ್ಸ್ನಲ್ಲಿ ಅವರು ಮಾತನಾಡಿದರು.
ಯಾವುದೇ ಸಂಶೋಧನೆಗಳು ಸಮಾಜದ 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 ವಿಶ್ವವಿದ್ಯಾಲಯಗಳಸಂಶೋಧಕರುತಮ್ಮಸಂಶೋಧನೆಗಳನ್ನು ಮಂಡಿಸಿದರು. ಯುನಿವರ್ಸಿಟಿ ಆಫ್ ಆರ್ದನ ಪ್ರೊ.ಡಾ.ವ್ಯಾಲಂಟಿನ್ ಇ ಬಲಾಸ್, ಡೀಕಿನ್ ವಿವಿ ಆಸ್ಟ್ರೇಲಿಯಾದ ಡಾ.ಗಾಂಗ್ಲೀ ಸೇರಿದಂತೆ ವಿವಿಧ ಅಂತಾರಾಷ್ಟ್ರೀಯ ವಿವಿಗಳ ಪ್ರೊಫೆಸರುಗಳು ಭಾಗವಹಿಸಿದ್ದರು.

PATENTS

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

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

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

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.	Margadarshan 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.

BOE

1. 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.
2. 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
3. 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.
4. 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.
5. 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
6. 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.
7. 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.
8. 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.

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)

ABOUT COLLEGE

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 Anna University and approved by AICTE. The courses offered are B.E. - CSE, ECE, EEE & Mech in Engineering, & B.Tech 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.

ABOUT THE DEPARTMENT

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.

ABOUT THE PROGRAMME

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 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 brings you a taste of technology and generate a quick start interest to work with future technologies.

ORGANIZING COMMITTEE

CHIEF PATRONS

Dr. B. Babu Manoharan M.A., M.B.A., Ph.D, Chairman , St. Joseph's Group of Institutions

Mrs. S. Jessie Priya M.Com, Managing Director St. Joseph's Group of Institutions

Mr. B. Shashi Sekar M.Sc., Director St. Joseph's Group of Institutions

CHAIR

Dr. P. Ravichandran M.Tech., Ph.D., Principal

CONVENER

Dr. S. Kularani M.E., Ph.D. Professor and Head of the Department

Dr. R. Priscilla M.E., Ph.D Professor and Head of the Department

COORDINATORS

Ms. C. Niroshini Infantia M.E., (Ph.D.)

Ms. V. Neelambary M.E., (Ph.D.)

Ms. G. Subhashini M.E., (Ph.D.)

RESOURCE PERSONS

Dr V. Rajkumar Assistant Professor, Dept of Mechanical Engineering, Indian Institute of Technology, Jammu.

Dr. Palanichamy Naveen Faculty of Computing and Informatics (FCI), Multimedia University, Singapore.

Dr. B. A. Usha Associate Professor, Department of CSE, BMS Institute of Technology, Bengaluru.

Dr. M. Janani Meena, Professor, School of Computer Science, and Engineering, VIT, Chennai.

Dr. A. Menaka Pushpa, Assistant Professor, School of Computer Science and Engineering, VIT, Chennai.

WHO CAN PARTICIPATE?

Faculty members and Research scholars of Information Technology, Computer Science and Engineering, Electronics and Communication Engineering, Electrical and Electronics Engineering, Chemical Engineering, Power Engineering, Mechanical and Civil Engineering.

REGISTRATION

Registration Link:

https://tinyurl.com/2bvackrw

Whatsapp Link:

https://tinyurl.com/4vb4hfmc

Registration Fee: NIL

CONTACT

Ms. C. Niroshini Infantia M.E., (Ph.D.) Ph: +91 9176120424 Email: ti09@stjosepstechnology.ac.in

Mr. M. Karthi M.Tech., (Ph.D.) Ph: +91 8189957033 Email: ti14@stjosepstechnology.ac.in

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

Glacier Journal Research foundation

GLOBAL MANAGEMENT COUNCIL

AHMEDABAD

Adarsh Vidya Saraswati Rashtriya Puraskar

(National Award Of Excellence 2021)

This is to certify that

Dr. HemaMalini B H

Associate Professor

Department of CSE

BMS Institute of Technology and Management

Bengaluru.

has been conferred the Prestigious "Adarsh Vidya Saraswati Rashtriya Puraskar" by our council for valuable & noble work on 5th. Day of December, 2021.

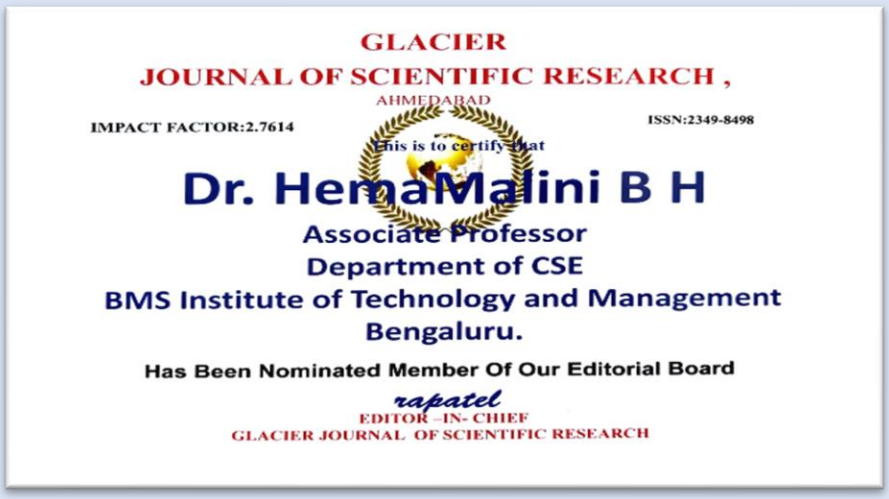
rapatel

PRESIDENT

GLOBAL MANAGEMENT COUNCIL

www.glacierjournal.org

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


GLACIER

JOURNAL OF SCIENTIFIC RESEARCH ,

AHMEDABAD

IMPACT FACTOR:2.7614 ISSN:2349-8498

This is to certify that

Dr. HemaMalini B H

Associate Professor

Department of CSE

BMS Institute of Technology and Management

Bengaluru.

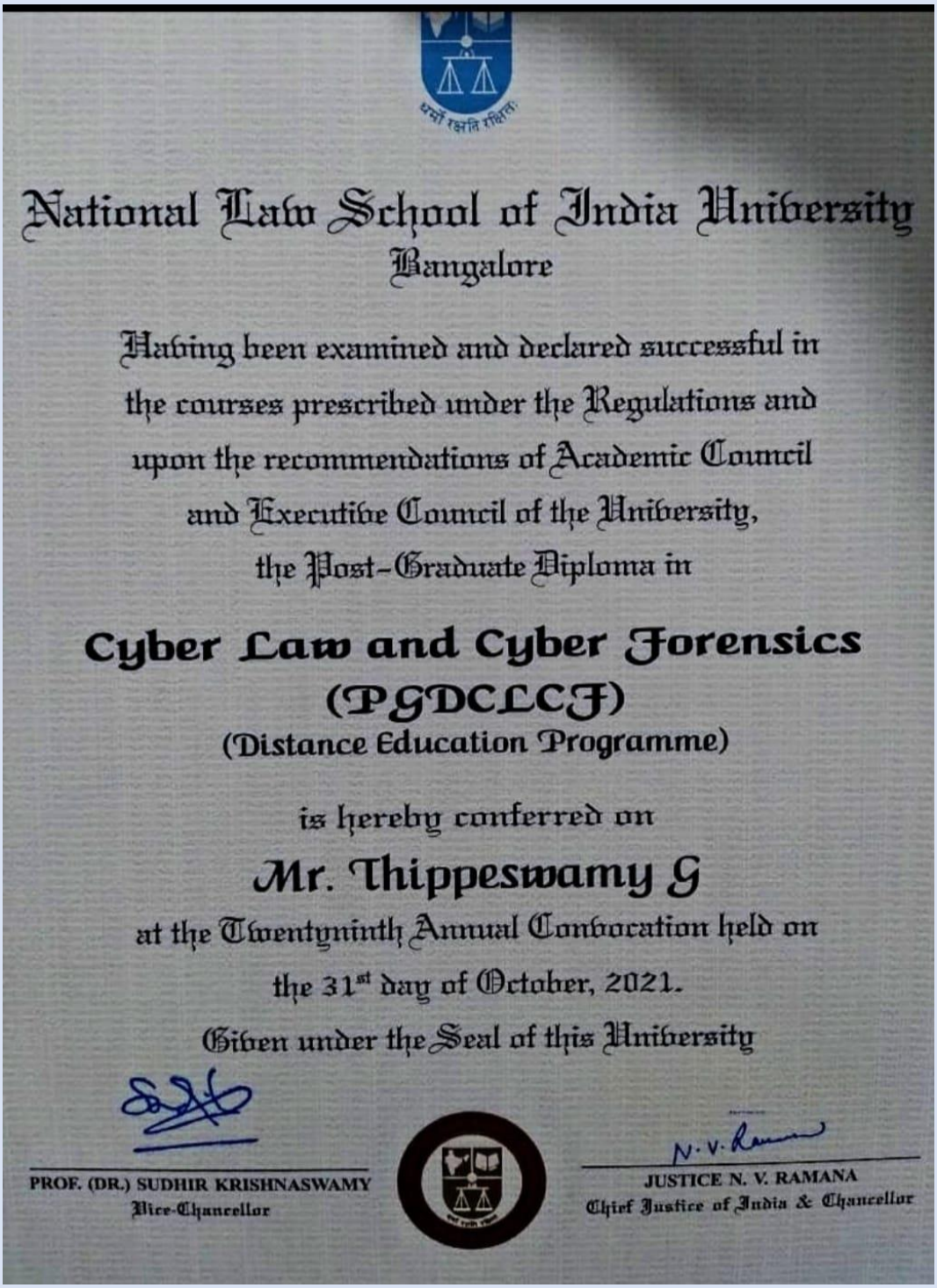
Has Been Nominated Member Of Our Editorial Board

rapatel

EDITOR –IN- CHIEF

GLACIER JOURNAL OF SCIENTIFIC RESEARCH

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



National Law School of India University
Bangalore

Having been examined and declared successful in the courses prescribed under the Regulations and upon the recommendations of Academic Council and Executive Council of the University, the Post-Graduate Diploma in

Cyber Law and Cyber Forensics (PGDCLCF)
(Distance Education Programme)

is hereby conferred on

Mr. Thippeswamy G

at the Twentyninth Annual Convocation held on the 31st day of October, 2021.

Given under the Seal of this University

PROF. (DR.) SUDHIR KRISHNASWAMY
Vice-Chancellor

JUSTICE N. V. RAMANA
Chief Justice of India & Chancellor

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

ter PBL Project - Develop/Implement DAA concept using Object Oriented Programming language (OOC) 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

Grou p No	NAME	USN	PBL Title	Faculty Incharge	Completion of the project	Societal Relevance (10)	Presentation (10)	Viva (10)	Report (10)	Total(50)	Place
IA3	Kevin P	1BY19CS067	Covid-19 Bed Allocation System	Dr. Hemamalini B H	10	10	9	9	10	48	first
	Charukesh	1BY19CS033									
	B Hrishikesh	1BY19CS025									
IA14	Akanksha N	1BY19CS006	Smart Assistant	Prof. Anand	10	8	9	9	10	47	second
	Challa Jwanitha	1BY19CS031									
	Harshitha GS	1BY19CS051									
	Hitha	1BY19CS052									
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(Linearly)	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									
IC-5	Shruthilaya.K	1BY19CS147									
	Shweta Bhat	1BY19CS149									
	Smruthi.N.S	1BY19CS152									
	Tejaswini S Rad	1BY19CS169	ator for a Given	Dr. Satish Kumar T	10	8	9	8	10	45	second

6th Semester WINERS

BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

Yelahanka Bangalore 560054

Computer Science and Engineering

PBL 2020-21 Even Semester - Shortlisted Team Information

e/ Perform the CODE OPTIMIZATION (SSCD) in Computer Graphics & Visualization or Mobile Application De

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 lo	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 Sing	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									
	M S Vishnupriya	1BY18CS086									
6B-13	Rushikesh Chas	1by18cs127	Medico bud	Dr. Usha B A	9	9	9	8	9	44	Second
	Sakshi Agrawal	1by18cs135									
	Saurabh Prakas	1by18cs145									
	Rakhi Purwar	1by18cs116									
6C-18	Siddhanth Tripat	1BY18CS164	LUNG DISEASE DETECTION USING DEEP LEARNING	Dr. Manoj H M	9	9	9	8	9	44	First
	Sinchana Shetty	1BY18CS165									
	Somil Jain	1BY18CS167									
	Vanshika Sharm	1BY18CS185									
6C-15	Sushmitha HM	1BY18CS174	Image Steganography using deep		9	9	8	8	9	43	Second
	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

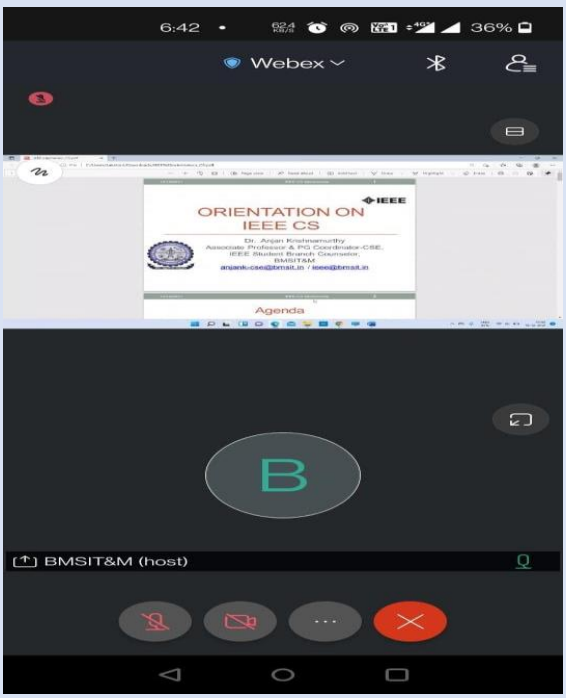
NBA expert committee member visited to Dept. of CSE on 10.12.2021 and 11.12.2021 for Accrediting the PG Program, M.Tech, CSE.

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.

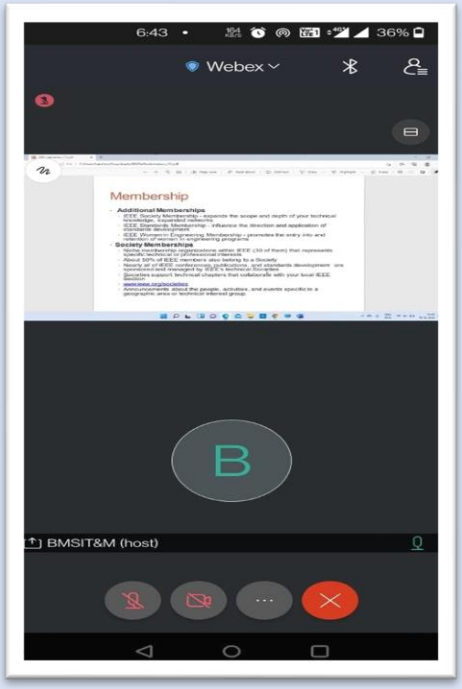
The student Induction Program was conducted online for the first year students of CSE,BMSIT & M and the students were welcomed to the department with an introduction session by Dr.Bhuvaneshwari C.M, the HOD, Department of CSE on 18.12.2021 from 10.45a.m - 12.45 p.m . Dr. Bhuvaneshwari C.M, HOD of CSE 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.

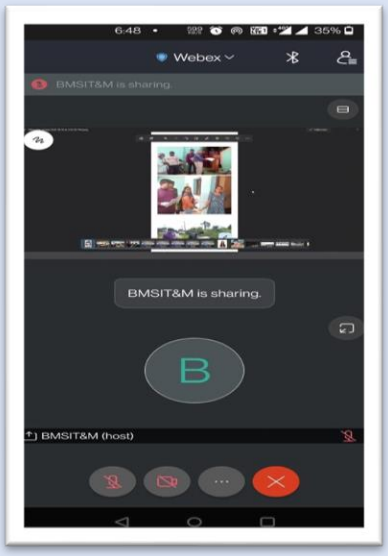
A virtual tour of the department for the students was arranged for them to see and know what the facilities and labs the department provides to the students. Dr. Arunkumar B.R, Professor, Dept. of CSE briefed the students about the rules and regulation at department of CSE, highlighting about the inputs, 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.**



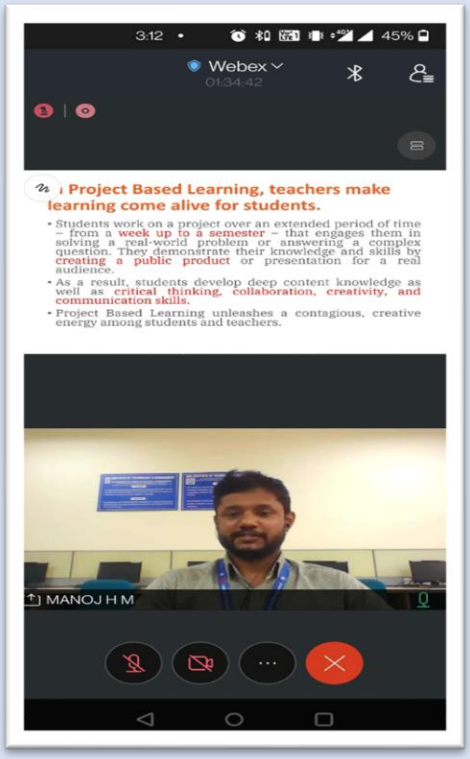


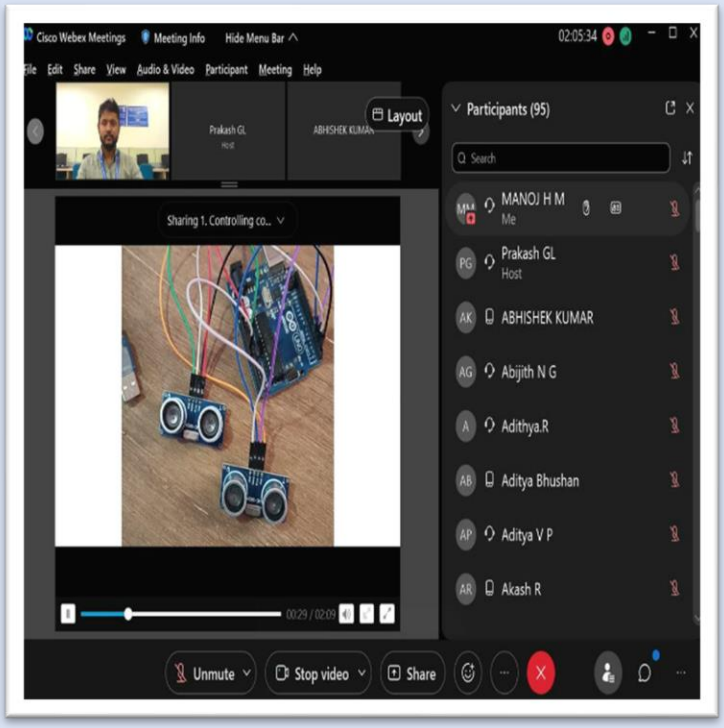
A specific session for introducing the clubs at the department was conducted 18.12.2021 from 1.15 p.m to 3.15 p.m by Prof. Vidya Pai discussed about CSI and its membership and other details about the club **as a part of E-Student Induction Program-2021-22.**

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.





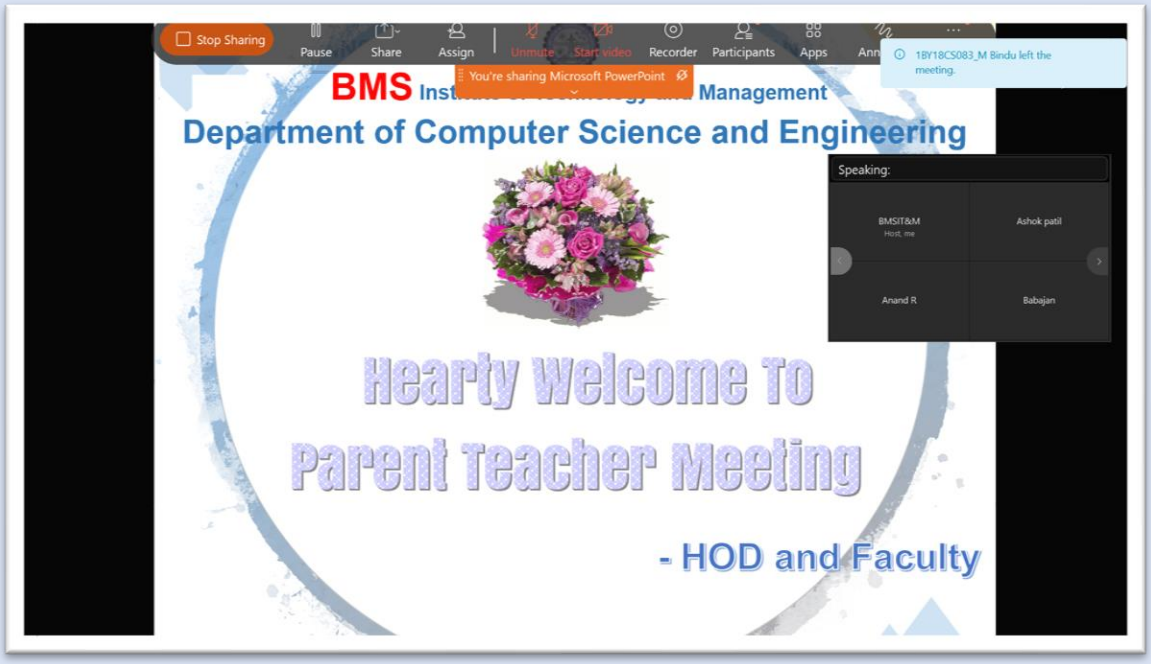
Parent Teacher Meeting Odd Semester 2021-22

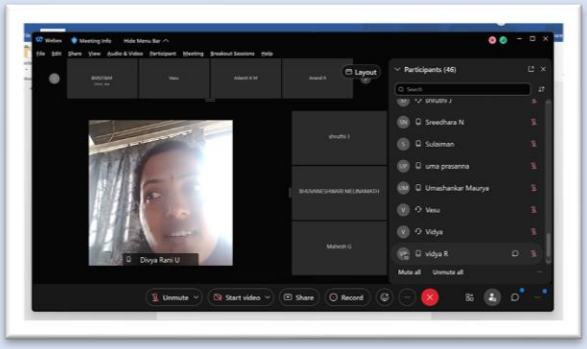
The meeting was scheduled on 04/12/2021 at 11:30 AM online via BMSIT Webex.

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/1FAIpQLScGNlm1MtKpZPqdrkgP8Bvp8fDhIgBslLv0FjTS9IaST-sdQw/viewform?usp=sf_link


Stop Sharing
Pause
Share
Assign
Unmute
Start video
Recorder
Participants
Apps
You're sharing Microsoft PowerPoint
1BY18CS083_M Bindu left the meeting.
BMS
Management
Department of Computer Science and Engineering
Speaking:
BMSIT&M
Host, me
Ashok patil
Anand R
Babajan
Hearty Welcome To
Parent Teacher Meeting
- HOD and Faculty



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.

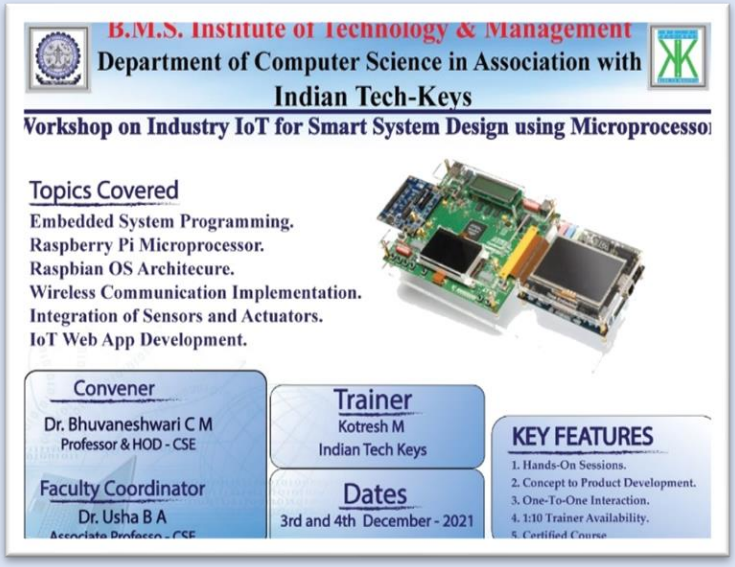
The following students from 5th semester have volunteered for the event.

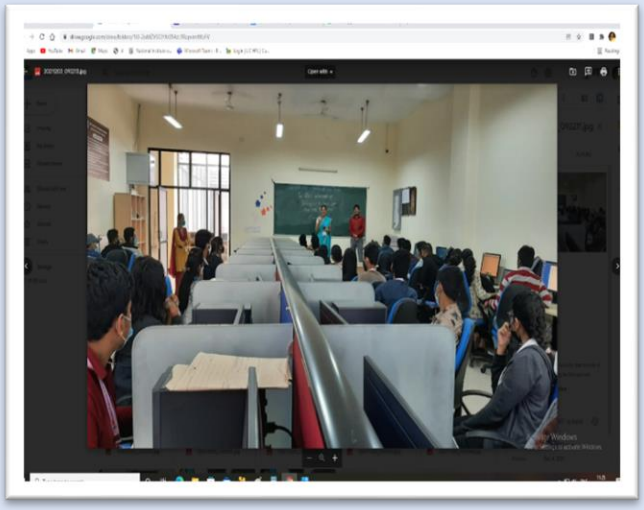
R.Bhuvan 1BY19CS112	J Naveen 1BY19CS055	Syed samira sama 1BY19CS166
Neha .B 1BY19CS093	Varshini sridhar 1BY19CS177	PAIDI VENKATA REVANTH DATTA 1by19cs098
Nikhitha Srinivas 1BY19CS095	HITHA 1BY19CS052	B jagadesh krishna 1BY19CS030
Sheshan.K 1BY19CS139	Rishik raj 1BY19CS120	Anjana G V 1BY19CS016
Rohit 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

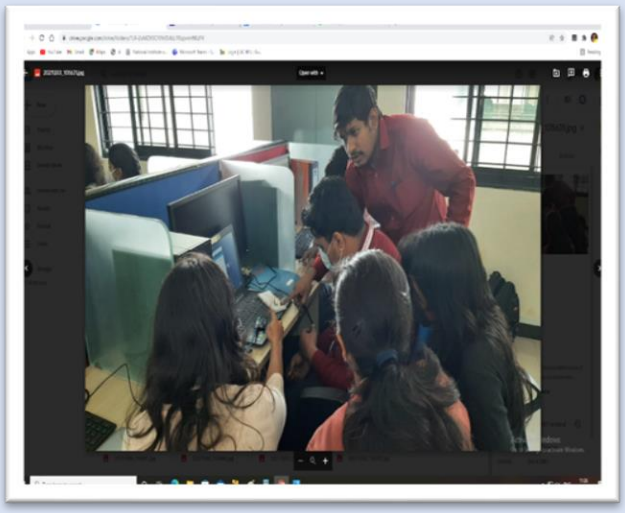
On the occasion of Children's Day on 14.11.2021 SUNDAY, NSS & YRC Wing of BMSIT&M organised a book and cloth donation drive. Volunteers donated books, stationary and clothes which are being donated to an orphanage. The collection boxes were Kept near BSN & Academic Block.

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.

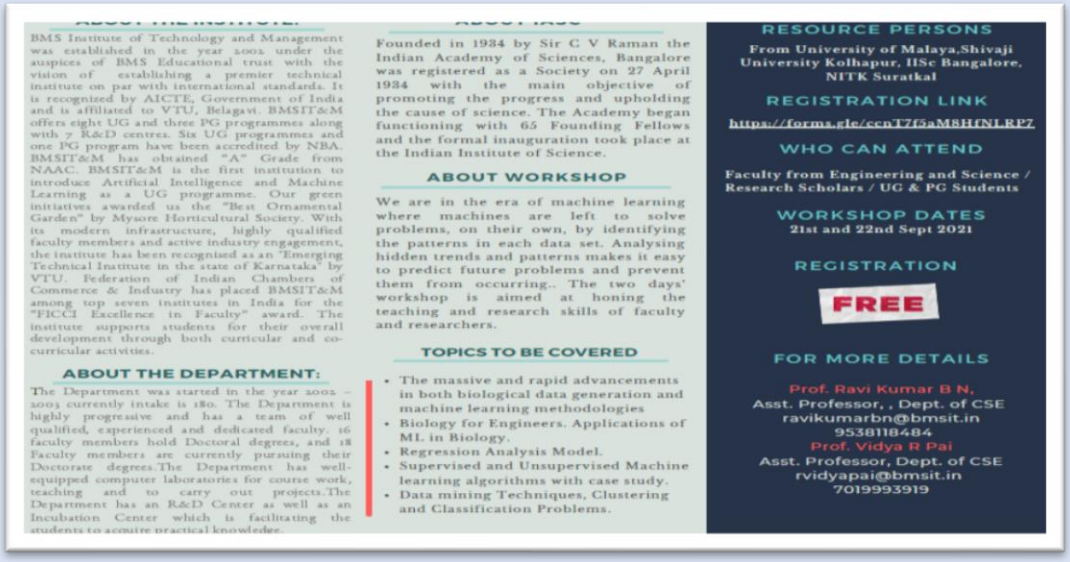






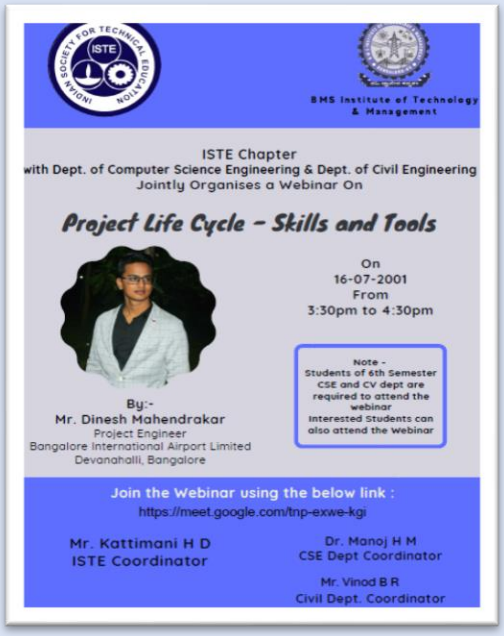
FDP conducted/ organised

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).



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.

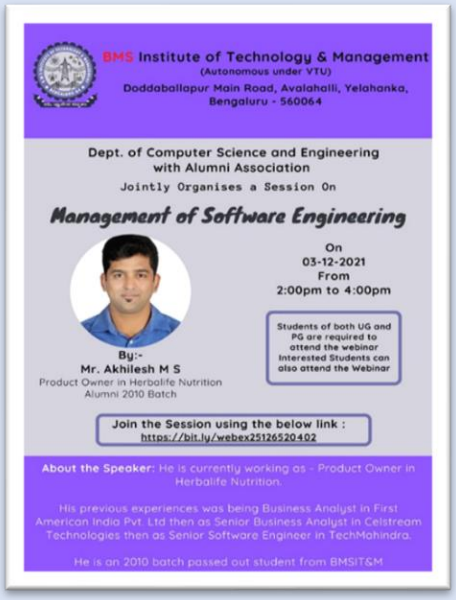


The department of CSE organized an expert talk on the topic "**Session on Future Tech Stack Adaption" for the CSE 5th Sem Students** on 19.11.2021 from 11.40 a.m. to 12.40 p.m. delivered by Mr Vishwanath, BITSTREAMIO, Rajaji nagara, Bengaluru**.**

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.

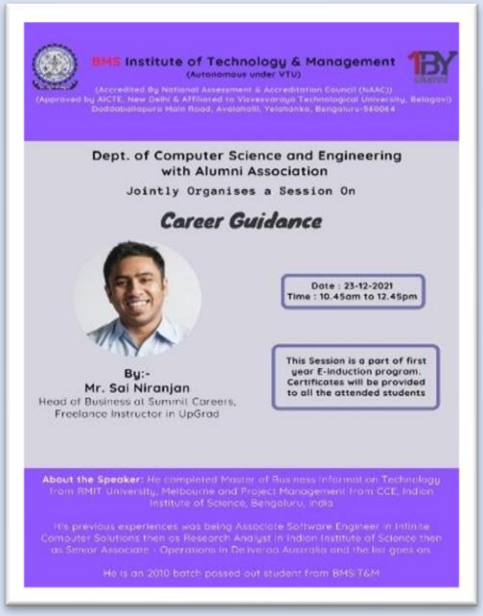
The department of CSE organized an Online expert talk on the topic **"Introduction to Agile Methodology"** for the CSE students on 26.11.2021 from 6.00 p.m to 7.00 p.m by Mr. Srinidhi VA, Chief Technical Architect, Kimshuka Technologies, Alumni 2010 passed out. He is a Alumni student representative as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

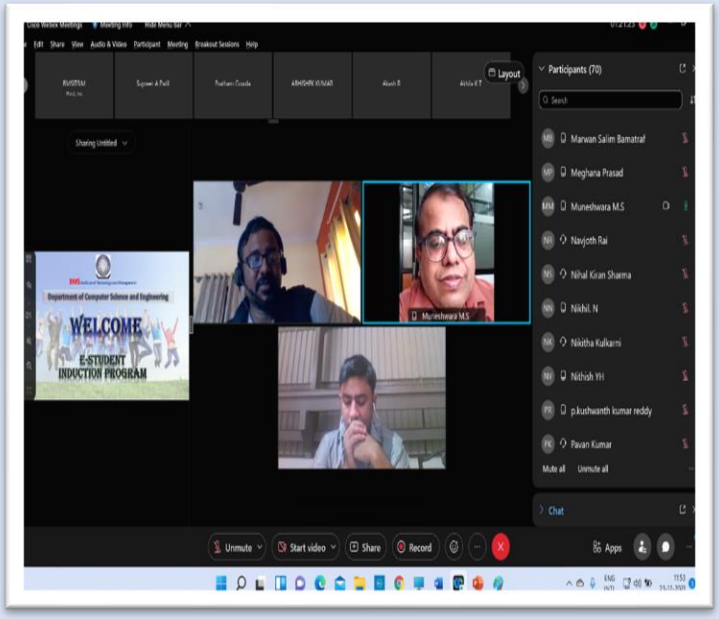
The department of CSE organized an Online expert talk on the topic "**Management of Software Engineering**" for the CSE students on 3rd Dec 2021, 2:00 PM to 4:00 PM by Mr. Akhilesh M S (2010 BATCH B.E CSE ALUMNI) Product Owner at Herbalife Nutrition, Bangalore, India.



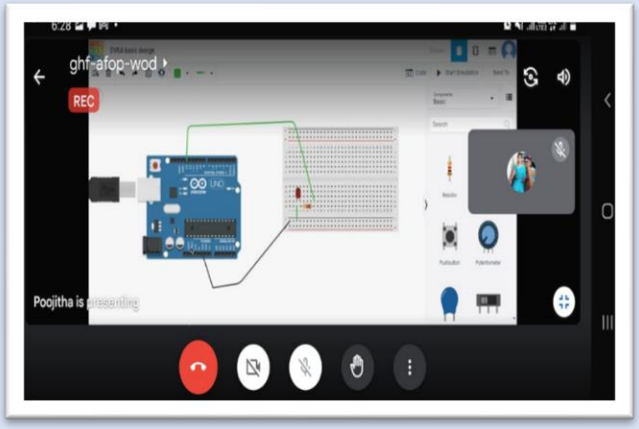
The department of CSE organized an Online expert talk on the topic "**After Graduation. What Next?**" for the CSE students on 08th Dec 2020 and 11:00 AM to 12:30 PM by Mr. Sai Niranjan (2010 BATCH B.E CSE ALUMNI) Assistant Professor in Devanga Sangha First Grade College, Freelance Instructor in UpGrad.

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.

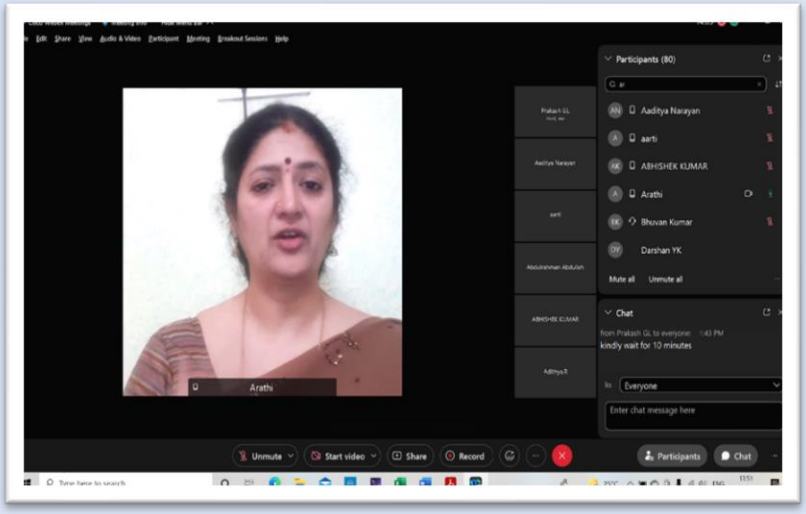




The Department of CSE in association with CSI BMSIT&M Student Branch and Sapientury has organized an online webinar on "**ARDUINO FOR BEGINNERS** !". by Ms. POOJITHA MK, Sysops engineer at Sapientury Pvt Ltd on 17.12.2021.



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 Sanskrtam & Indology and Behavioural Trainer. Founder head of Vibhu Academy, well known in the fields of Academic research and Behavioural & Soft-skills Training.



An eminent speaker session was arranged for the students on 29.12.2021from 1.15 p.m to 3.15 p.m which was a Workshop on Leadership and Values by the resource person Mr.Satyanarayana Raju M, Chief Mentor (HR & Counselling) in Nagarjuna, Group of Institutions , Bangalore as a part of student induction program.

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		

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		

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 Rehaman	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	Congnizant 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

Sl 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

Sl 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

Sl 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

Sl 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

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

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) Sooranguđi, 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) Sooranguđi, 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, **C**SE Department, completed a course on "**PYTHON Programming"** offered through UDEMY on 17.08.2021.Prof. Ambika G.N, Assistant Professor, **C**SE 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.

Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)

This certificate is awarded to

DR ARUN KUMAR B R

for successfully completing the course

Accreditation and Outcome Based Learning

with a consolidated score of 73 %

Online Assignments	19.54/25	Proctored Exam	53.75/75

Total number of candidates certified in this course: 672

Prof. G P Raja Sekhar
Dean, Continuing Education
IIT Kharagpur

Jul-Sep 2021
(8 week course)

Prof. Debjani Chakraborty
Coordinator, NPTEL
IIT Kharagpur

Indian Institute of Technology Kharagpur

swayam

Roll No:NPTEL21GE22S23191980

To validate and check scores: https://nptel.ac.in/noc

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 everybodu (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 Developement 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

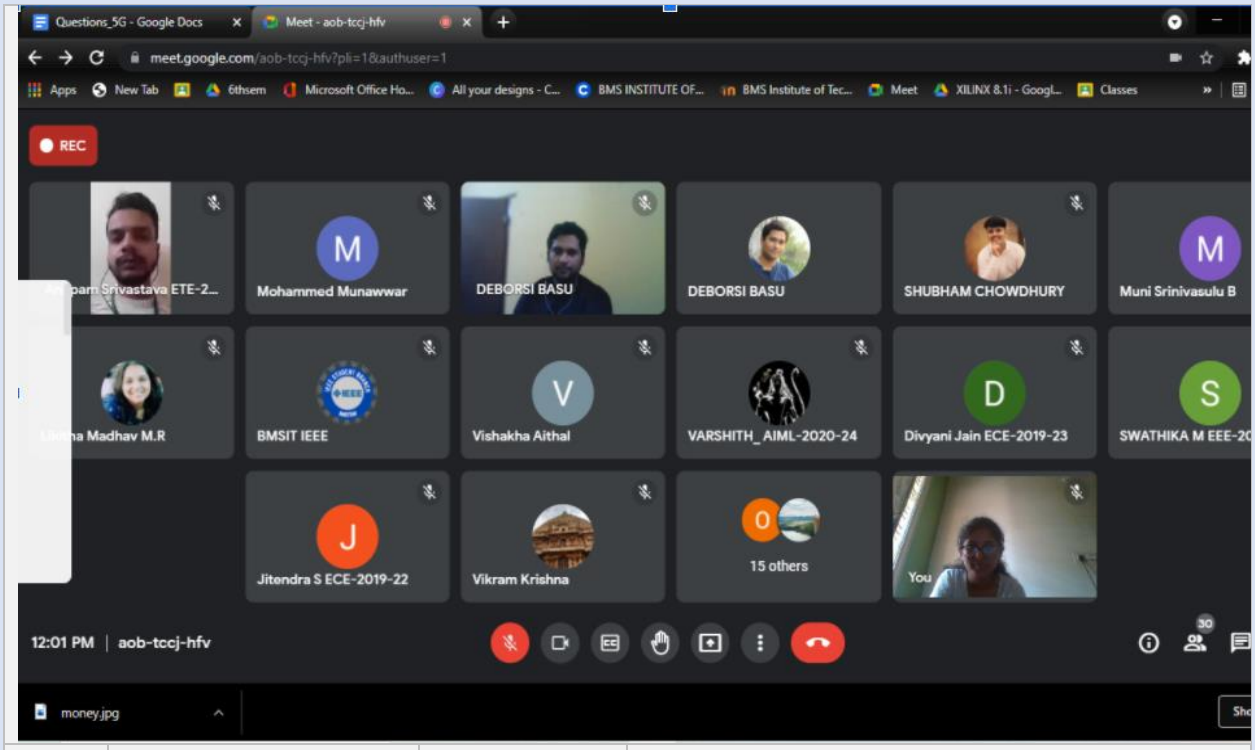
Sl. No	Name of the event & Resource Person	Date	Coordinator	Summary of the event
1	5G Wireless Technology (Expert Talk) Mr.Vikaas Shilingappa	28th September 2021	Prof.Vidya R Pai	The event helped the participants improve their technical skills. It also give an idea of AI, IOT. It also give information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

IEEE Chapter

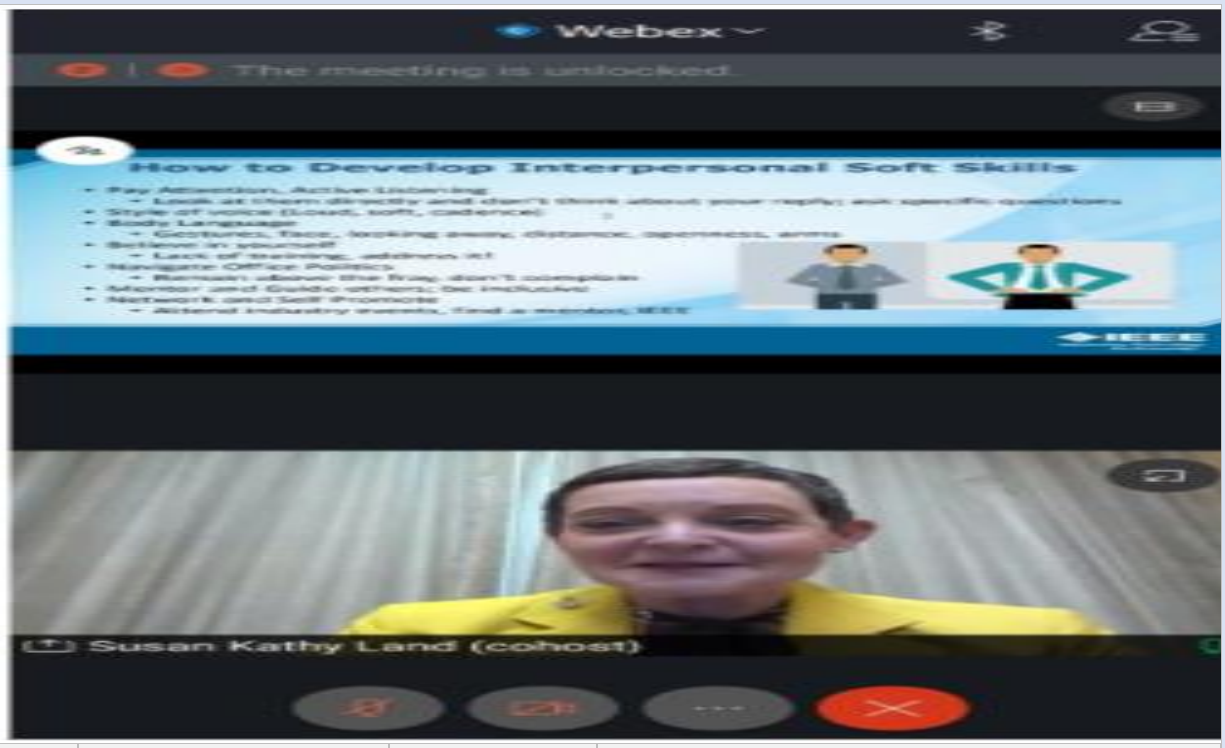
IEEE – Begin the networking for students in their area of interest and future profession. It connects IEEE with local sections and volunteer leadership. Students learn about Scholarships, Grants and Fellowships for IEEE student members. IEEE recognized BMSIT & M as an Educational Institution member in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

Institution Membership No: STB14611

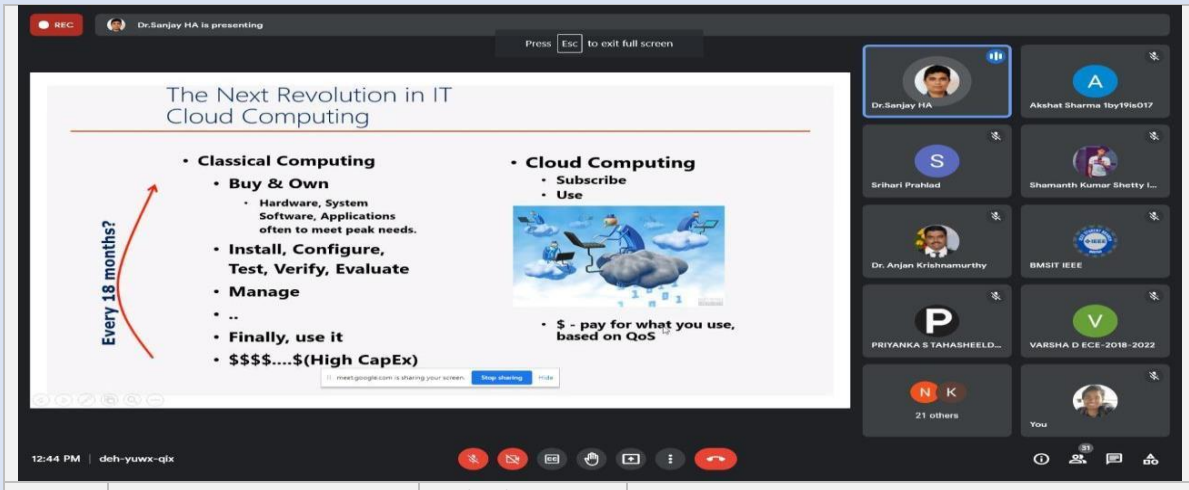
Sl. No	Name of the Event & Resource Person	Date	Summary of the event
1	Roadmap To 5G and Beyond Communication Mr. Deborsi Basu	4/07/2021	The session kicked off with an amazing introduction of the speaker followed by brief information about the recent trends regarding the 5G technology. The speaker drew 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.

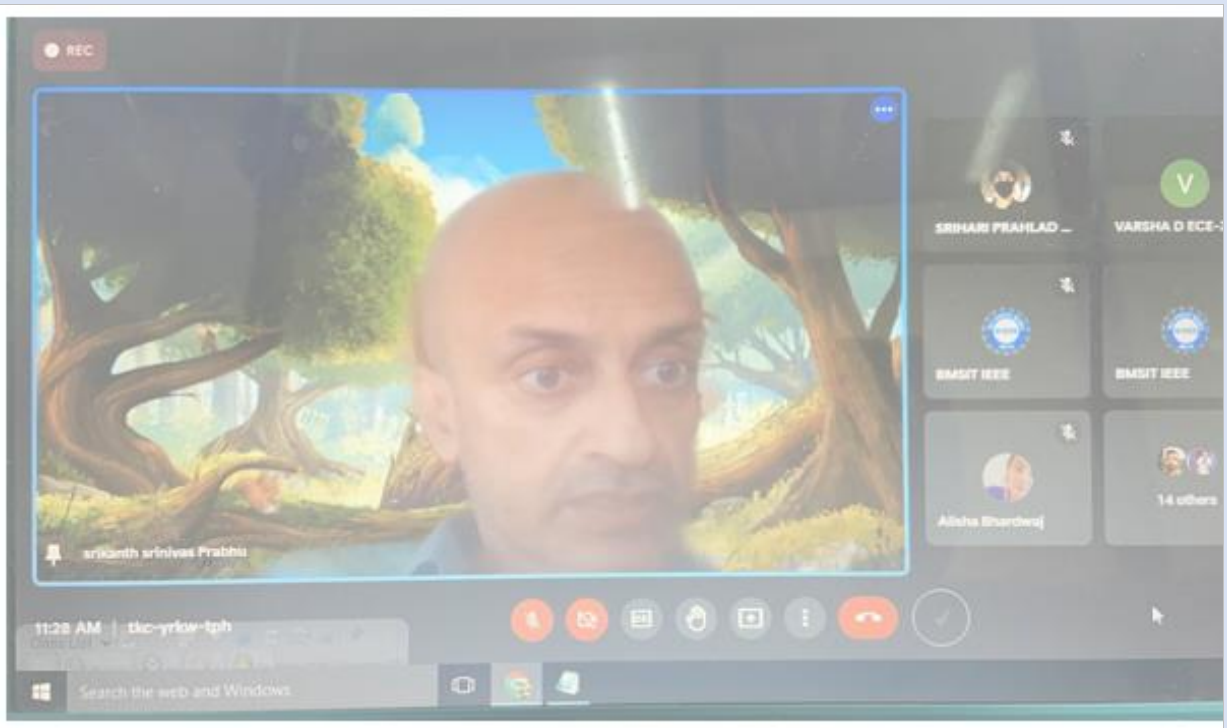


2	Webinar on Soft Skills Ms Susan Kathy Land	17/07/2021	The webinar was organized on the topic of Soft Skills. We had the IEEE President 2021, Ms Susan Kathy Land as the speaker of the event. The event started with the speaker introducing us to the key points of soft skills and how to inculcate them. 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.

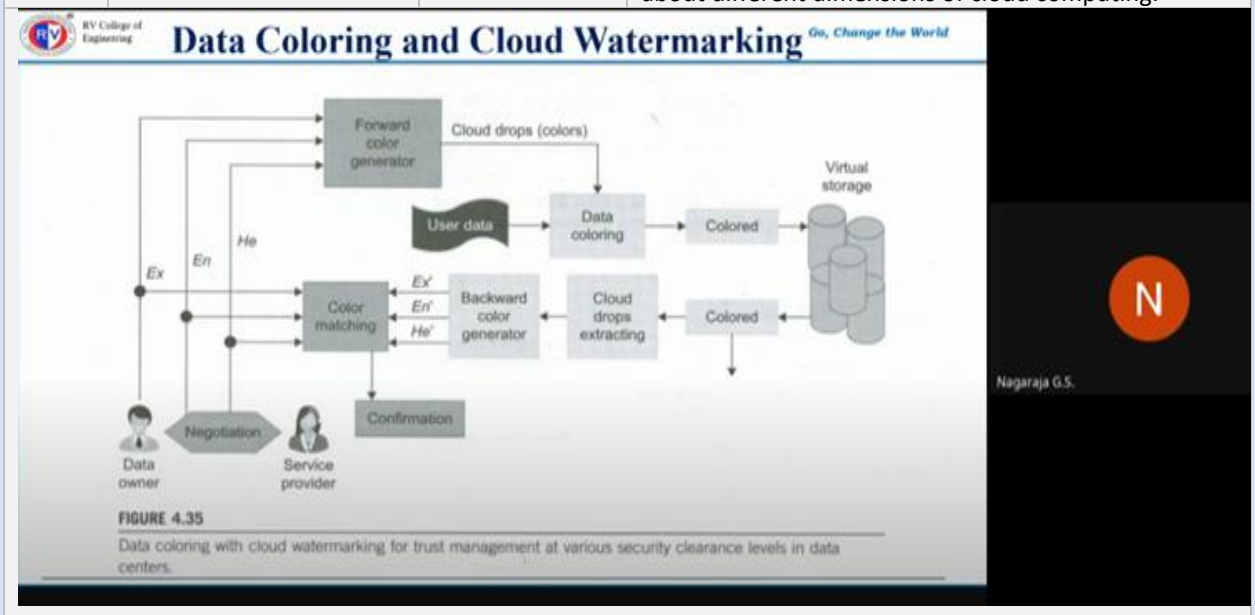


3	Girl Geeks Session 1 Dr. Sanjay H A	17/07/2021	The speaker for this event was Dr. Sanjay H A. He is a research pioneer in the field of cloud computing and blockchain technology. He is a B.E graduate from Kuvempu University. He did his master's in computer science and engineering from Visvesvaraya Technological 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.

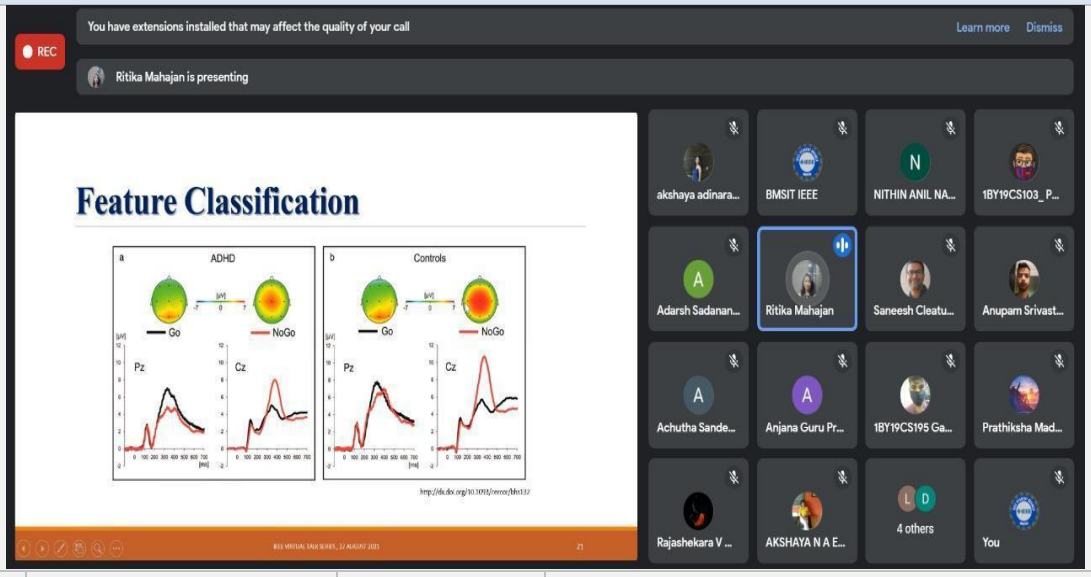
			
4	Girl Geeks Session 2 Dr.Srikanth Prabhu	24/07/2021	Our speaker for this session was Dr.Srikanth Prabhu. He did his M.Sc in Mathematics and specialization in computer science from Sri Sathya Sai Institute of Higher Learning. He has also done his M.tech in computer science and Ph.d from IIT (Indian Institute 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.



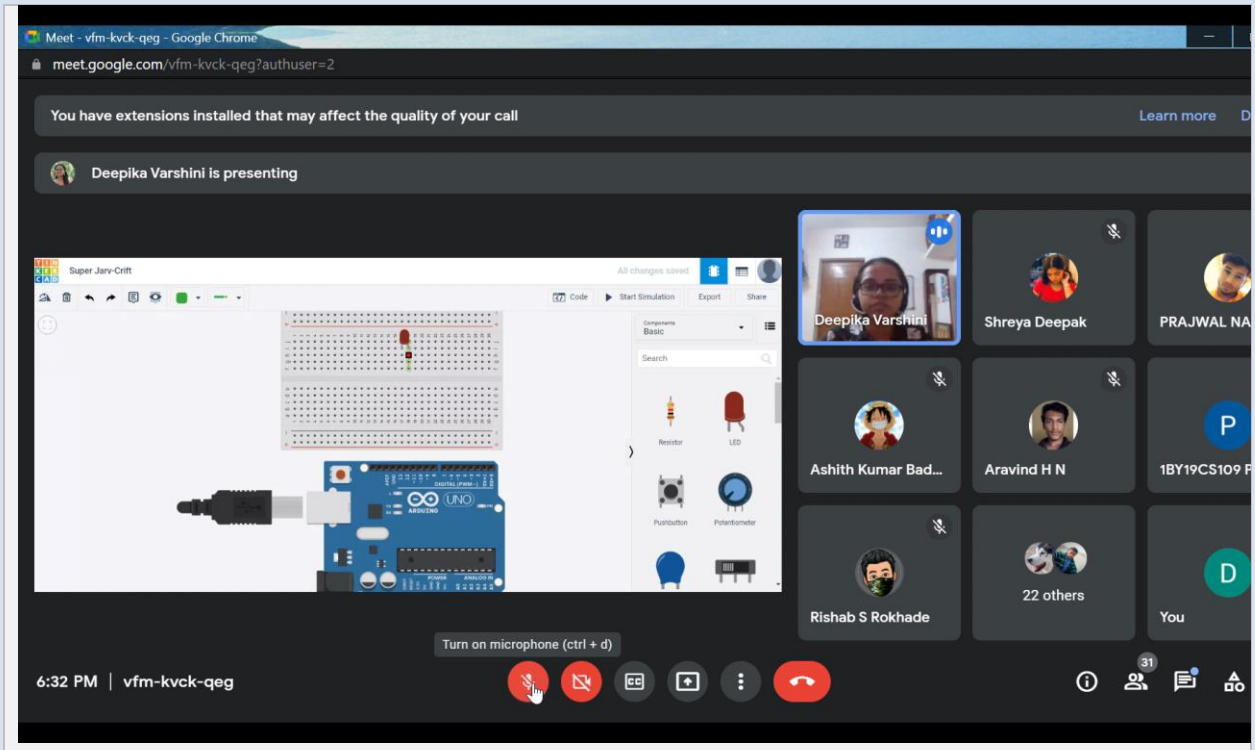
5	Girl Geeks Session 3 Dr. Nagaraja G.S	31/07/2021	The speaker for this event was Dr. Nagaraja G S. He is associate dean of the department of computer science engineering at R V college of engineering. He has 26 years of experience in teaching and around 16 years of experience in research in Computer 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.

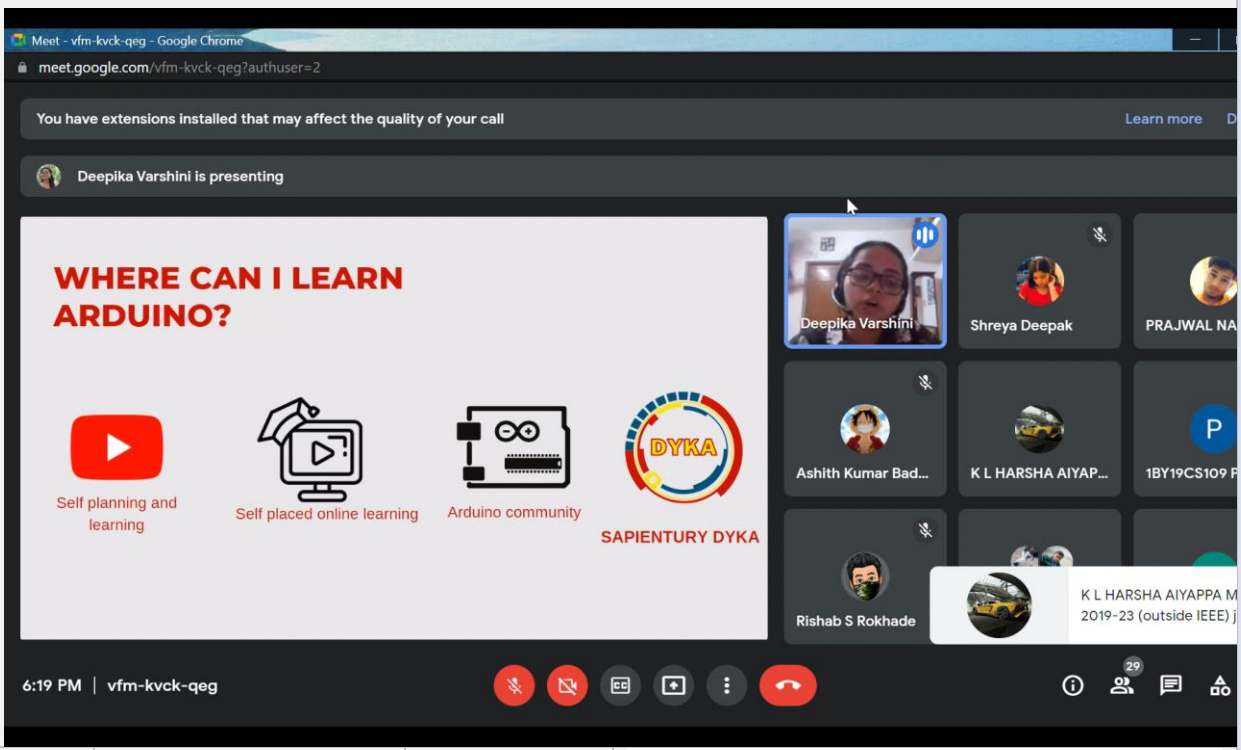


6	Girl Geeks Session 4 Ms. Sangetta Shetty	07/08/2021	The speaker for the last session of Girlgeeks was Ms. Sangeeta Shetty. She did her masters in computer science. Ms. Sangeeta is the cloud security architect at IBM. She is an accomplished information security professional with 20 years of experience 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.
7	EEG Cognition and Signal Processing Ms. Ritika Mahajan	27/08/2021	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 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.



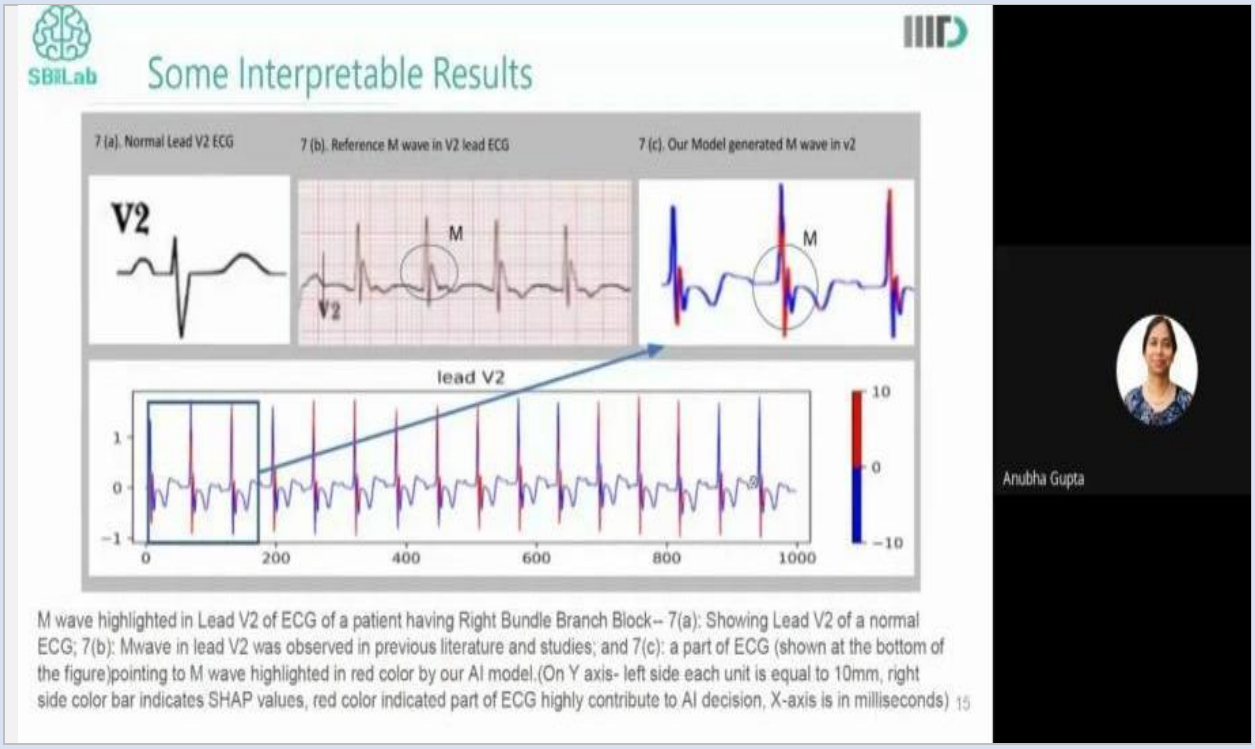
8	webinar on Arduino for Beginners Ms. Deepika Varshini R	23/09/2021	The webinar was led by Deepika Varshini R, the Business Development Manager at Sapientury. Previously she has worked as the head of Customer Success in The Vimana. She has pursued her Bachelor's degree from R V College of Engineering, 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.





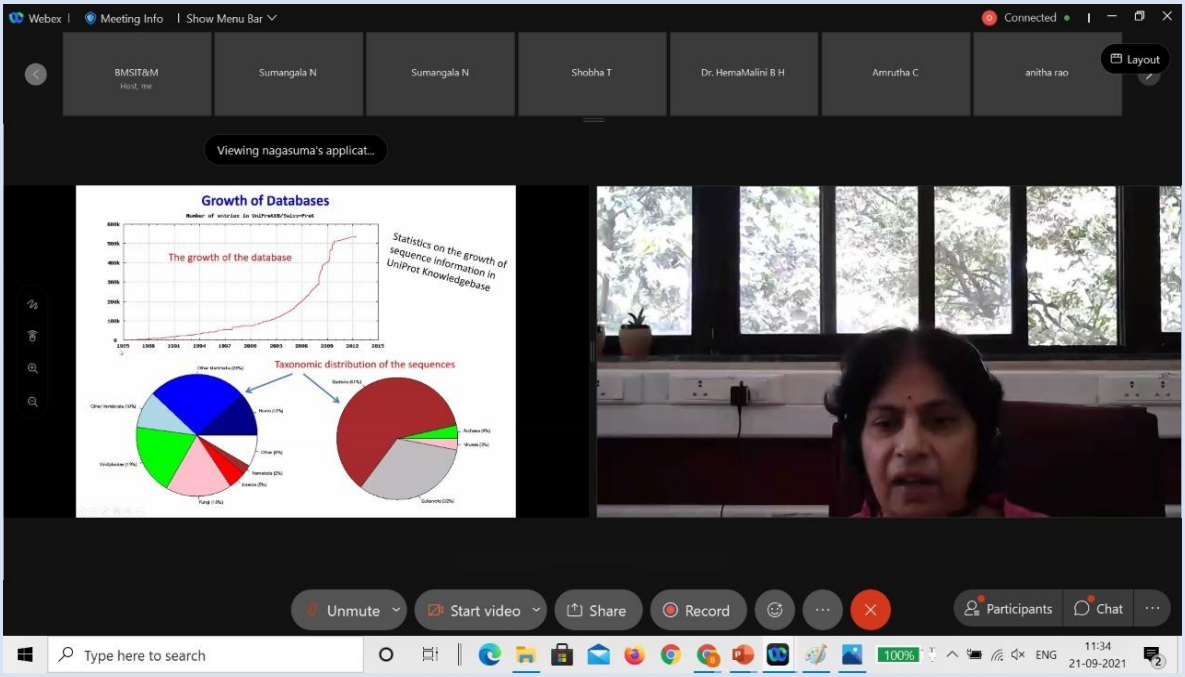
9	Solving Real Life Problems using AI and Signal Processing Dr. Anubha Gupta	31/10/2021	The speaker of this session was Prof Anubha Gupta. She graduated with a Ph.D. degree in Electrical Engineering from IIT Delhi in 2006. She did her bachelor's and master's in ECE from Delhi University in 1991 and 1997,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

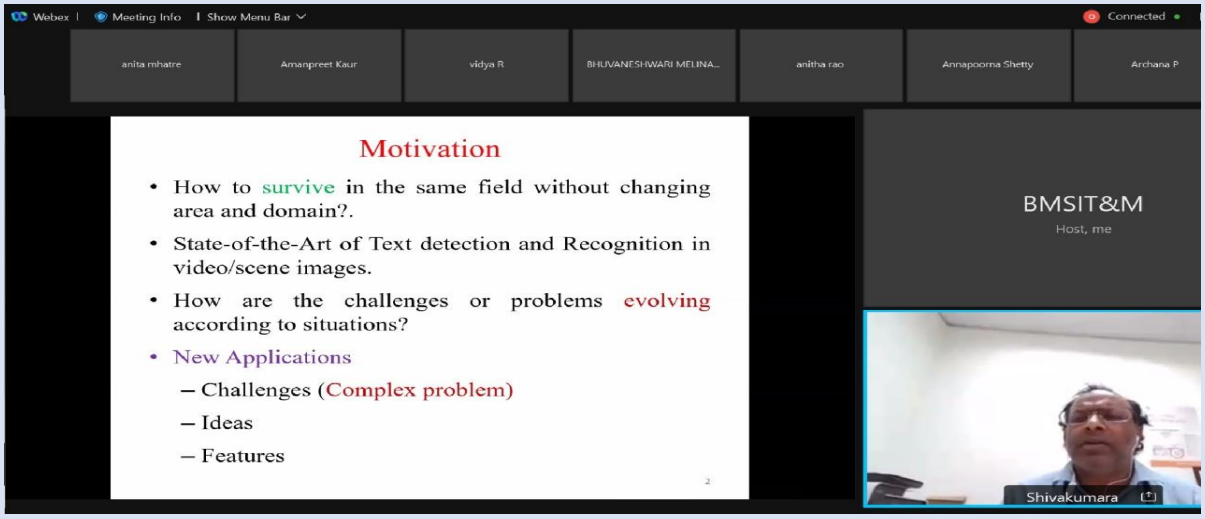
			Computer Engineering Department at NSIT for eight years. From July 2011 to Dec. 2013, she worked as associate professor at IIIT Hyderabad. In Dec 2013, she joined IIIT Delhi, where she is currently working as a professor in the Department of Electronics and Communication Engineering. She has authored/co-authored 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 their doubts cleared. The session, ended with a vote of thanks by Akshaya, President IEEE SPS BMSIT & M.


SBILab
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
V2
M
V2
M
lead V2
1
0
−1
0
200
400
600
800
1000
10
0
−10
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 Deparatment 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.

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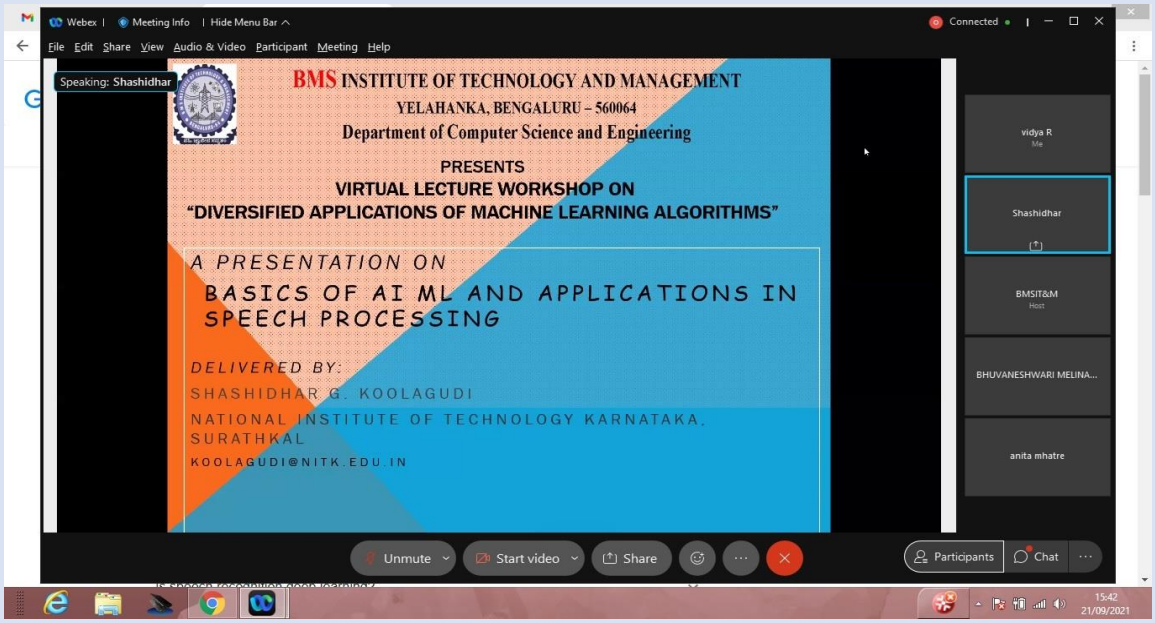
anita mhatre
Amanpreet Kaur
vidya R
BHUVANESHWARI MELINA...
anitha rao
Annapoorna Shetty
Archana P
Motivation
How to survive in the same field without changing area and domain?.
State-of-the-Art of Text detection and Recognition in video/scene images.
How are the challenges or problems evolving according to situations?
New Applications
– Challenges (Complex problem)
– Ideas
– Features
BMSIT&M
Host, me
Shivakumara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Speaking: Shashidhar
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
vidya R
Shashidhar
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VIRTUAL LECTURE WORKSHOP ON
"DIVERSIFIED APPLICATIONS OF MACHINE LEARNING ALGORITHMS"
Date: 21st & 22nd September 2021
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	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
2020-21	
Ms.Roobini G	Certificate of appreciation for volunteering for 7th International Conference on Electronics, Computing and Communication Technologies, IEEE CONECCT (July 09-11, 2021) organised by IEEE Bangalore Section.

Visvesvaraya Technological University
" Jnana Sangama ", Belagavi- 590 018, Karnataka, India.
Department of Physical Education & Sports
Inter - Collegiate Zonal Tournament : 2021 - 2022
Certificate
This is to certify that Sri./ Kum. Jatin G Nair
USN Representing B.M.S.I.T & M
has Secured Winners / Runners - up Place in Table Tennis (M)
Inter Collegiate Bangalore North Zone Tournament / Competition
held at Sai Vidya Institute of Technology
from 24-11-2021 to 25-11-2021
Director of Physical Education VTU, Belagavi.
Principal - organizing college
Vice Chancellor VTU, Belagavi.

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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