



# **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 2**

## **NEWSLETTER, JANUARY-JUNE 2022**

**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 analyse 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 modelling 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. Analyse 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. Thippeswamy G**  
**BE, ME, Ph.D.**

I am extremely happy to share with you the progress; Department of Computer Science & Engineering has made during 2021 – 2022 Even 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 33 qualified and experienced faculty members with Nineteen Doctoral degree holders in different domains. The department has a team of highly-skilled, motivated, proficient faculty, and technical staff members who are striving hard continuously to enhance the quality of education.

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

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

## Teaching Staff



**Dr. Thippeswamy G**  
**BE, ME, Ph.D.**  
**Professor & HOD**



**Dr. Anil G.N**  
**BE, M.Tech, D.Sc,**  
**Professor & Dean (Academics)**

## Professors



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



**Dr. Arunkumar B R**  
**BSc, MCA,M.Phil(CS),**  
**M.Tech (CSE), PGDIPR-NLSIU, PhD**

## Associate Professors



Dr. Hema Malini B H  
BE M.Tech. Ph.D



Mrs. Bharathi R  
BE, M.Tech, (Ph.D)



Dr. Usha B A  
BE-CSE. Mtech-CSE.



Dr. Mahesh G  
B.E, M.Tech, PhD



Dr. Anjan Krishnamurthy  
BE, M.Tech, PhD  
PG Coordinator



Dr. Sunanda Dixit  
BE, Mtech, PhD

## Assistant Professors



Dr. Satish Kumar T.  
BE, ME, PhD



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



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



Mr. Jagadish.P  
BE, M.Tech, (PhD)



Mrs. Chetana C  
BE, MTech



Mrs. Durga Bhavani A  
B.Tech. M.Tech



Mr. Rajesh N V  
BE, M.Tech



Dr. Ashwini N  
BE. M Tech. (PhD)



Ms. Ambika G.N  
BE, M.Tech, (Ph.D)



Mrs. Vidya Rajesh Pai  
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. Shankar R  
BE, Me, (Ph.D)



Dr. Arunakumari B N.  
BE, Mtech, PhD



Dr. Lakshmi B N  
BE, Mtech, PhD



Dr. Manoj H M  
BE, Mtech, PhD



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



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

## NON-TEACHING STAFF'S



Sri. Yatheesh N G  
System Analyst



Sri. M. Adinarayana Reddy  
Instructor



Smt. Ragini T N  
Instructor



Smt. Bhagya. M  
Instructor



Sri. Venkatesh Banagaar  
Assistant Instructor



Sri. Hari Prasad Pai  
Instructor



Sri. Hareesh Naik  
Assistant Instructor



Sri. Shivaprasad Honnatappa  
Assistant Instructor



Smt. Rosary Jospene Mary  
Second Division Assistant

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## Department Activities Information

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## BOE

1. Dr.Usha B A, Associate Professor, Dept of CSE has served as External BOE for scrutinizing the Question papers of 6th & 8th Semester of UG and M.Tech CSE(PG) for June/July 2022 Examinations of Reva University, Bengaluru which was held on 14.5.2022.
2. Dr.Usha B A, Associate Professor, Dept of CSE has served as External BOE for scrutinizing the Question papers of 4th semester UG for June/July 2022 Examinations of Reva University, Bengaluru which was held on 26.5.2022.

## Session Chair

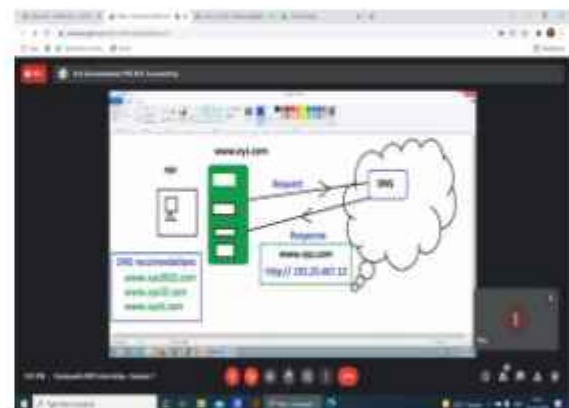
1. Dr.Usha B A, Associate Professor, Dept of CSE has served as Session chair for the 4 th International Virtual Conference on Advances in Computing and Information Technology (IACIT-2022) organized by Reva University, Bengaluru which was held on 17.5.2022 & 18.5.2022

# MOUs

The AWS Student Internship and Certification program started online under the Honeywell Centre of Excellence, under the leadership of Dr. HemaMalini B. H., Associate Professor, Dept of CSE.. Under this program, 100 hours of activity based and hands on training will be provided to the final year students of CSE, ISE, ECE, ETE and EEE branches.

The sessions were started online from 13.1.2022. Every day, the sessions are conducted as 2 sessions. The first session is from 1 pm to 3 pm. Second session from 3.30 pm to 5.30 pm. The session recordings are uploaded in the Google Classroom for further reference of students on a daily basis.

The Honeywell trainer is Dr. K. Saravana Kumar, M. Tech, PhD. He has 16+ years experience in teaching and administration. His area of specialisation is Cloud Computing. He has received grants and financial assistance from funding agencies.



# Faculty Awards

1. Dr. HemaMalini B. H., Associate Professor, Dept of CSE has been conferred the prestigious “Adarsh Vidya Saraswati Rashtriya Puraskar” award, by the Global Management Council, for the valuable and Noble work on 5.12.2021.



2. Dr. Bhuvaneshwari C.M, Professor, Dept. of CSE has been invited as a president of,17th Kannada sahitya sammelana great, memorable moment on 26.03.2022 at Vijayapura.



3. Dr.Ashwini N has been awarded with Ph.D in Computer Science by Visvesvaraya Technological University during the convocation organized by the University on 10.03.2022.



4. Dr. Srivani P has been awarded with Ph.D in Computer Science by Visvesvaraya Technological University during the convocation organized by the University on March 10th 2022.



# Faculty as Resource Person

1. Dr.Usha B A, Associate Professor Dept of CSE has invited as External Evaluation Panel Member for Judging the **8th National Level Technical Project Exhibition and Competition - SRISHTI - 2022**, held at **SAINTGITS College of Engineering(Autonomous)** on **25.4.2022** and **26.04.2022** at **Kottayam, Kerala**.



2. **Dr.Usha B A**, Associate Professor, Dept of CSE has delivered the talk on **Artificial Intelligence in Cyber Security** in the Seminar Organized by Department of CSE, **Francis Xavier Engineering College (An Autonomous Institution)**, Vannarpet, Tirunelveli, Tamil Nadu 627003 on 6.5.2022.

**FRANCIS XAVIER**  
ENGINEERING COLLEGE  
AN AUTONOMOUS INSTITUTION

**Seminar on**  
**Artificial Intelligence in Cyber Security**

Register Now

6 May 2022  
3 PM

**Dr. USHA B.A.**  
Associate Professor  
Computer Science and Engineering  
RVS Institute of Technology, Bangalore

Organized by  
**Department of Computer Science and Engineering**

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3. Prof. Muenshwara M S, Assistant Professor, Dept. of CSE has extended as Internal Resource person for **“Java for Placements”** in Open Course-2022 from 14.6.2022 organised by dept. of CSE, BMSIT&M-560064.



4. Prof. Jagadish P, Assistant Professor, Dept. of CSE has extended as Resource person for **“Java for Placements”** in Open Course-2022 from 14.6.2022 organised by dept. pf CSE, BMSIT&M-560064.



# Reviewer for journal/Conference

1. Dr.Usha B A, Associate Professor Dept of CSE has been invited as **Reviewer** for the **3rd International Conference on Recent Innovative Trends in Computer Science and Applications** Organized by Ramaiah Institute of Technology during April 2022.
2. Dr. HemaMalini B H, Associate Professor, Dept of CSE reviewed a paper entitled "Prediction Analysis of Parkinson Disease using Machine Learning" for "Journal of The Institution of Engineers (India): Series B (IEIB)" May 2022.

# Memorable moments/best practices

## 1. PG NBA Celebration:

On the Occasion of The M. Tech (CSE) is accredited from 2021-24 from **NATIONAL BOARD OF ACCREDITATION**, New Delhi on 15.2.2022, the CSE dept. has been organised the Lunch for all staff of CSE dept. and to other dept. also.



## 2. Parent Teacher Meeting Odd Semester 2021-22

3<sup>rd</sup> Semester (Lateral Entry) and 1<sup>st</sup> Semester 'A', 'B' & 'C' Sections



The meeting was scheduled on 26.02.2022 at 10:00 AM in CSE Seminar Hall, 4th Floor, BSN Block. Around 30 parents were present for the meeting along with the teachers.

Dr. Bhuvaneshwari C M, Professor and HOD, welcomed all the parents to the meeting and presented the following to the parents,

1. Institution and Department – Vision and Mission
2. Information about the department including faculty details, student details and department accomplishments like NBA, NAAC, NIRF Ranking and Autonomous Status
3. Faculty Achievements/Awards/Recognitions
4. Best Practices in the department including PBL, Proctor System, Open day, Tech Transform, Open courses and MOOCs.
5. Students Achievements/Awards
6. Social/Outreach activities
7. Placements and Internship
8. Autonomous Syllabus, CSI/IEEE Activities

3. Grand Inauguration of New Laboratory “SHAKUNTHALA DEVI LABORATORY” on 27.04.2022 at 12.00 p.m, Guest of Honour Mr. Avinash Sharma, Chairman,BMSIT&M , Dignitaries are Principal & Vice Principal,BMSIT&M at 4<sup>th</sup> Floor, Academic Block , BMSIT&M



#### 4. Parent Teacher Meeting Even Semester 2021-22

6<sup>th</sup> and 8<sup>th</sup> Semester 'A', 'B' & 'C' Sections meeting was scheduled on 28.05.2022 at 11:00 AM in CSE Seminar Hall, 4th Floor, BSN Block. Around 5 parents were present for the meeting along with the teachers. Dr. Bhuvaneshwari C M, Professor and HOD, welcomed all the parents to the meeting and 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
- Professional Body CSI/IEEE Activities
- Social/Outreach activities
- Results of the previous semesters
- Placements and Internship



5. Dr. Bhuvaneshwari the present HoD of the department of CSE handed over the charges to the new HoD, Dr. Thippeswamy G, Professor, Dept. of CSE, BMSIT & M. Dr. Thippeswamy G took over the charges as the HoD of department of CSE and addressed the faculty and staff discussing some key factors responsible for the department of CSE to be one of the successful departments at BMSIT &M on 17.6.2022.



6. The Life skill development program was conducted from NSS Unit to the department of CSE on 10.06.2022 with association of Yuva Spandana organization. The students of 4th semester participated in the event.



## ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಜೀವನಕೌಶಲ ಕಲಿಕೆ



ಬಿಎಂಎಸ್‌ಐಟಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ಎನ್‌ಎಸ್‌ಎಸ್ ಯೋಜನೆಯಡಿ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಜೀವನ ಕೌಶಲ ಕಲಿಕೆ ಶಿಬಿರ ಆಯೋಜನೆ ಮಾಡಲಾಗುತ್ತಿತ್ತು.

**ಬೆಂಗಳೂರು:** ಬಿಎಂಎಸ್‌ಐಟಿ ಇಂಜಿನಿಯರಿಂಗ್ ಕಾಲೇಜಿನಲ್ಲಿ ರಾಷ್ಟ್ರೀಯ ಸೇವಾ ಯೋಜನೆಯಡಿಯಲ್ಲಿ ಡಾ. ಮೋಹನ್ ಬಾಬು, ಸಿವ್ಜನ್ ಪ್ರಾಧ್ಯಾಪಕ ವಿದ್ಯಾರ್ಥಿಗಳಿಗೆ ಜೀವನ ಕೌಶಲಗಳ ಬಗ್ಗೆ ಅರಿವು ಮೂಡಿಸಲಾಯಿತು. ಸ್ವ-ಆರಿವು, ಭಾವನೆಗಳ ನಿರ್ವಹಣೆ, ಸಂಬಂಧ, ಪರಿಣಾಮಕಾರಿ ಸಂವಹನ, ಆಮೃತಕ ಸಂವಹನ, ಒತ್ತಡ ನಿವಾರಣೆ ಮತ್ತು ಸೃಜನಾತ್ಮಕ ಚಿಂತನೆ ಕುರಿತು ತಜ್ಞರು ಉಪನ್ಯಾಸ ನಡೆಸಿದರು. ಪ್ರಾಂಶುಪಾಲ ಕಾಲೇಜಿನಲ್ಲಿ ಡಾ. ಬಿ.ಎಸ್. ಪ್ರದೀಪ್ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಡಾ. ಬಿ.ಎಸ್. ಪ್ರದೀಪ್ ಮಾರ್ಗದರ್ಶನದಲ್ಲಿ ಕಾರ್ಯಕ್ರಮ ನಡೆಯಿತು. ಜ್ಞಾನಕಿ ಮಹೇಶ್, ಎನ್‌ಎಸ್‌ಎಸ್ ಯೋಜನಾಧಿಕಾರಿ ಶಿವಕುಮಾರ್ ಶುಭ್ರದ, ಎನ್‌ಎಸ್‌ಎಸ್ ಕೋ ಆರ್ಟಿನೋಬರ್ ಸಿ.ಎನ್. ಬೇತನ ಕಾರ್ಯಕ್ರಮ ನಡೆಸಿಕೊಟ್ಟರು.

7. Reusable Items Collection drive was held on 3/6/2022 in association with Eco Club and NSS Unit. Activity Coordinator: Prof.Chethana C. Assistant professor, Dept. Of CSE, The various Items collected were Books, Pens, Geometry boxes, bags. The collected items were submitted to the Humanity Is Religion Organization. Mr. Suroj and Vinay Kumar were present on the day of the event. The departments coordinators and chief coordinators of Eco club and NSS and AICTE Points activities coordinator were present on the event day. The event was conducted as a part of AICTE points for (12.5). The departments participated in the collection drive are CSE, CV, ISE, AI&ML, ETE, EEE, ECE, and ME and the Department of CSE students Count is 373.



8. Yoga Day celebration was conducted on 21.06.2022 from NSS and NCC UNIT

9. Dr. Usha B A, Associate Professor, Dept. of CSE has coordinated in conducting Department Farewell function for the class of 2022 passing out students (UG and PG) on 30.6.2022.

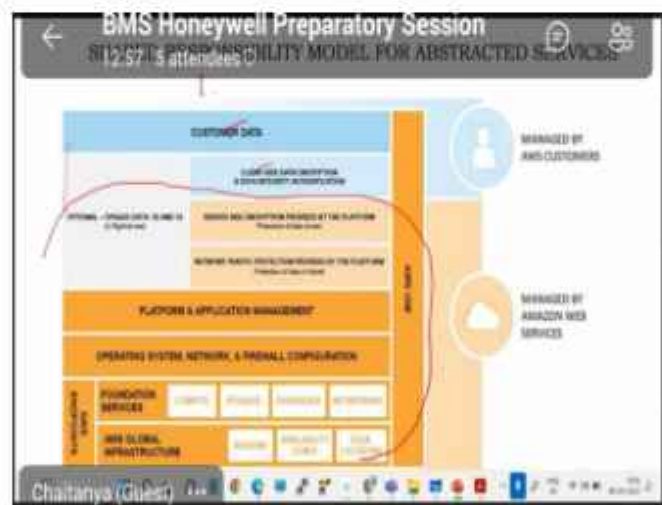


#### 10. PG M.Tech CSE got NBA

An Expert Team conducted online/on-site evaluation of the programs from 10<sup>th</sup>–12<sup>th</sup> December, 2021. The report submitted by the Expert Team were considered by the concerned Committees constituted for the purpose in NBA. The Competent Authority in NBA had decided accreditation of the following programs for the Academic Years 2021-2022 to 2023-2024.

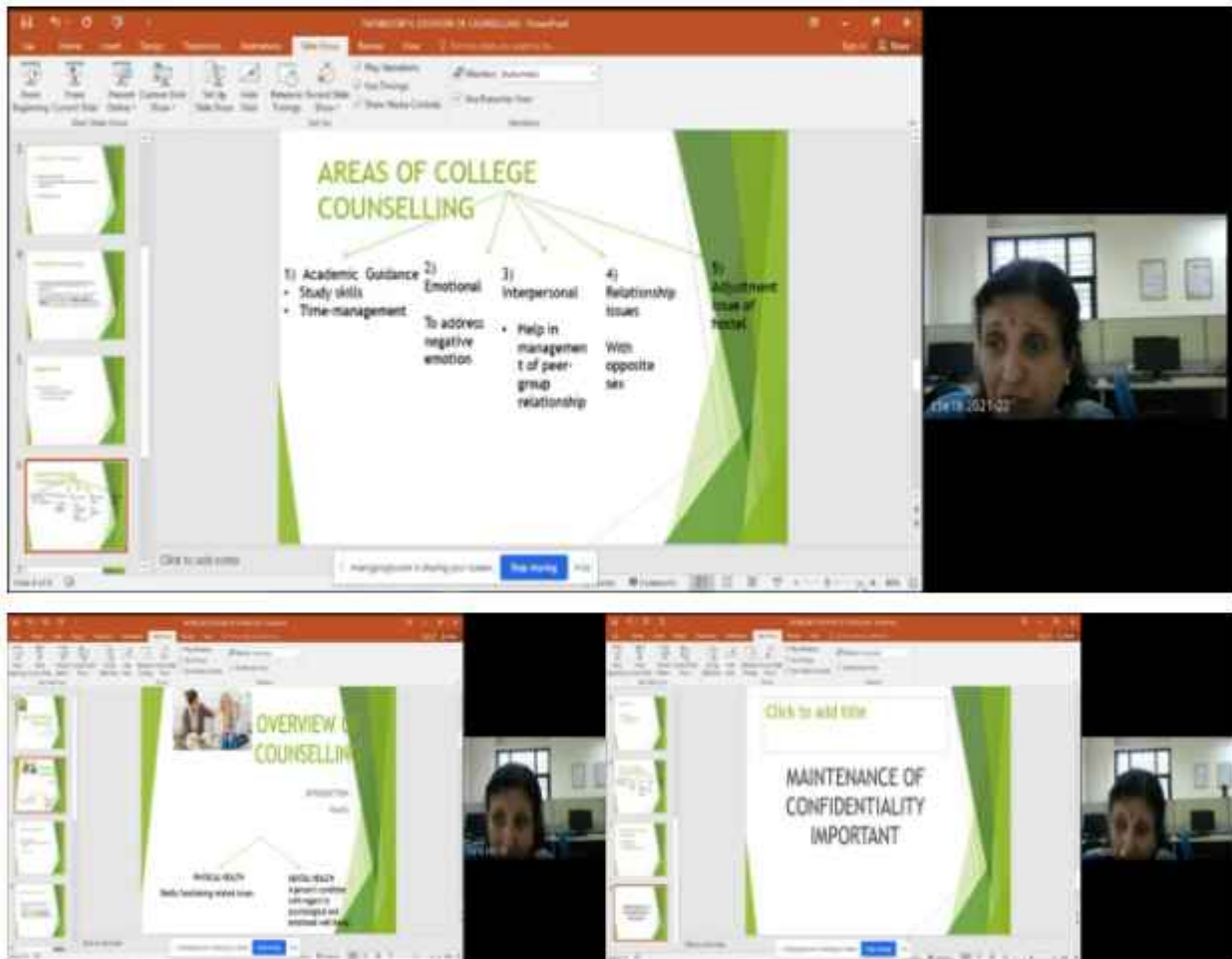
# Industry – Institute Interaction

Under the Honeywell Centre of Excellence, an AWS internship program was organised for students of BMSIT & Management. A 100-hour online training is given on Cloud Practitioner Program for the registered students from the departments of CSE, ISE, ECE, EEE and ETE. Two days' offline practice sessions were held during 7.5.2022, Saturday and 8.5.2022, Sunday during 10 am to 4.30 pm to take up the final assessments. Dr. HemaMalini B H, Associate Professor, Dept of CSE, is coordinating the program at the institution level.



# Departmental Co-Curricular Activities

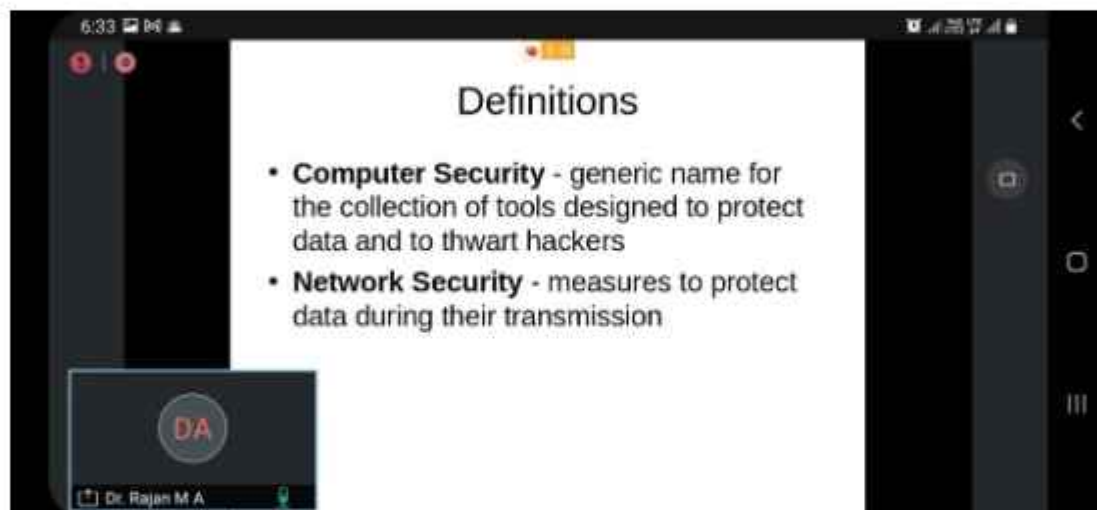
1. Prof. Chethana Srinivas, student counsellor has counselled the students of CSE 1<sup>st</sup> semester - A, B and C section on 7.1.2022 in online mode. from 3:00 pm to 4: 20 pm This will help the students to understand themselves and approach the counsellor and get the solution for their problems. coordinated by Dr. Manoj H M, Asst. Prof. Dept. of CSE



## 2. OBE Activity

### Partial Delivery conducted

Online Partial Delivery was conducted for the students of 5th semester CSE A,B, C on "**Computer Networks Security Protocols/Algorithms and its Industry Applications**" for the subject Computer Network & Security (18CS52) on Cisco Webex platform, scheduled from 12.1.2022 to 14.01.2022, by Dr. Rajan M A, senior scientist TCS Innovative Labs Bangalore.



**Department Project presentations**

<b>Sl no:</b>	<b>No: of Batches</b>	<b>Date</b>	<b>No: of Students Participated</b>	<b>Description (Brief Domains)</b>
1	65	June 2022	Around 200 Students	Various Latest Technologies related to Data Science, IOT, Block Chain Technology etc

**Department Seminar presentations**

<b>Sl no:</b>	<b>No: of Batches</b>	<b>Date</b>	<b>No: of Students</b>	<b>Description (Brief Domains)</b>
1	65	29.4.2022	Around 200 Students	Various Latest Technologies related to Data Science, IOT, Block Chain Technology etc

**Online Classes handled by the department**

<b>Sl no:</b>	<b>Department</b>	<b>Semester</b>	<b>No: of Theory classes</b>	<b>No: of Practicals classes</b>
1	CSE	1,3,5,7	357	40
2	CSE	1,3	68	12

# Workshops / Seminars / Fdps Attended

## FDP /Workshops/STTP attended (faculty):

1. Prof. Muneswara M S, Asst. Prof, Dept. of CSE participated AICTE-ISTE Sponsored One week Online FDP On "**Electronic Assistive Device**" from 07.01.2022 to 13.01.2022 at Dept. of ECE, Bapuji Institute of Engineering and Technology, Davangere-04
2. Prof. Muneshwara M S, Assistant Prof, Dept. of CSE participated in the One week FDP on "**Computational Methods in Boundary layer Theory**" from 07.03.2022 to 12.03.2022 at RAMAIAH INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Bengaluru-560054.
3. Prof. Muneshwara M S, Assistant . Prof, Dept. of CSE participated in the One Week Online Faculty Development Program on "**ADVANCES IN NATURAL LANGUAGE PROCESSING USING AI**" from 14.03.2022 to 18.03.2022 at organized by the Department of Computer Science & Engineering, Vimal Jyothi Engineering College, Kannur, Kerala - 670 632.
4. Prof. Anand R, Assistant . Prof, Dept. of CSE participated in the One Week Online Faculty Development Program on "**ADVANCES IN NATURAL LANGUAGE PROCESSING USING AI**" from 14.03.2022 to 18.03.2022 at organized by the Department of Computer Science & Engineering, Vimal Jyothi Engineering College, Kannur, Kerala - 670 632
5. Prof. Muneshwara M S, Assistant. Prof, Dept. of CSE attended 3 day faculty development program on "**MACHINE LEARNING**" from 31.03.2022 to 02.04.2022 at Imparticus Learning , NSDC, Data Science club.

### Webinars Attended (faculty):

Prof. Muneshwara M S, Asst. Prof, Dept. of CSE, has attended the National Level webinar on “Recent Advance in Mathematics” on 18.1.2022 organised by Shri Siddheshwar Mahavidyalaya Majalogaon, Dist, Beed(M S).

### Student Achievements

1. Thematic concert performed by Mr. Vishnu Shastri , 7<sup>th</sup> Sem student of CSE for the series called - “Vaggeya Sourabha” organized by the Karnataka College of Percussion, Bengaluru. This series pays a tribute to Vaggeyakaras(Composers) in the field of Carnatic Classical Music. Given an opportunity to present the compositions of Sri Muttaih Bhagavatar on 27.2.2022, Event link <https://youtu.be/a9nHU687a9I> .



2. The 8<sup>th</sup> Sem CSE students Asif Ali Ahmed R , Vishnu Sastry, Roobini G , Sheetal Neeraj, has been selected for 1st Prize to Dr S K Shivakumar State Award from Govt of Karnataka... First prize Includes citation with cash amount of 10000/-. This innovation work was carried under the guidance of Dr Arunakumari B N , Assistant Professor, Dept. of CSE March 2022.

3. The 6<sup>th</sup> Sem CSE student Rishab A Rokhade, Cadet Senior Under officer(CSUO) have been awarded The **Dy. Director General Commendation Card** by Air Commodore Bhupender Singh Kanwar, VSM, DDG-Karnataka & Goa Directorate. And also CSUO Rishab recently awarded the Director General's Appreciation Medallion by DG NCC, Lieutenant General Gurbirpal Singh, AVSM, VSM for rendering services of high order and participating in Nation Building on 09.03.2022.



4. **8th Semester students** of Dept of CSE, BMSIT&M, Mr. Sharanu, Mr. Kanak Dullu and Ms. Bhumika Dinesh Shetty has presented their Project in the **8th National Level Technical Project Exhibition and Competition - SRISHTI - 2022**, held at SAINTGITS College of Engineering(Autonomous) on 25.4.2022 and 26.04.2022 at Kottayam, Kereala. Project was guided by **Dr. Usha B A**, Associate Professor, Dept of CSE.



5. Mr. Chethan Patel and Ms. Megana Arora participated in Technotsav 6.0 organized by Department of Computer Science and Engineering, SJC Institute of Technology, Chikkaballapura and won first place in the event Quizathon on 15.6.2022.



### Seminar/ Expert Talks

**ISTE webinar** is conducted in joint collaboration of department of Computer Science and Engineering and Civil Engineering on 25.5.2022: Webinar Title :“**EXPERT GUIDANCE TO CRACK CIVIL SERVICE AND OTHER COMPETITIVE EXAMS**” , Duration of **webinar**: 5 pm to 6:30 pm. Mode/platform: Online Google Meet - <https://meet.google.com/pqr-zkiv-nif>. **Speaker**: Miss. Pavithra G S. Statistical Inspector at the Directorate of Economics and Statistics, Govt. of Karnataka. **Faculty Coordinator**: **Mr.Kattimani(ISTE) & Dr.Manoj.H.M(CSE) & Mr.Vinod B.R(CV)**.



# Publication of Research Papers by Faculty Members

## International Journal:

1. Dr. Dhanalakshmi B K “**Classification and Merging Techniques to Reduce Brokerage Using Multi-Objective Optimization** “ Algorithms-2022, <https://doi.org/10.3390/a15020070>( SCI ) Scopus, was, Volume 15, Issue 2 , 21.2.2022
2. Dr. Arun kumar B.R. , Prof. Reshma C .R “**Spectrum Pricing in Cognitive Radio Networks: An Analysis**”,in International journal, (IJACSA) International Journal of Advanced Computer Science and Applications, Vol. 13, No. 3, 2022, [https://thesai.org/Downloads/Volume13No3/Paper\\_7-Spectrum Pricing in Cognitive Radio Networks.pdf](https://thesai.org/Downloads/Volume13No3/Paper_7-Spectrum Pricing in Cognitive Radio Networks.pdf), indexed in WoS and Scopus (Elsevier) March 2022.
3. Mr. Muneshwara M S, Ms. Poorvi Rohidekar ,Mr. Pranove A B “**Implementation of Therapy Bot for Potential Users With Depression During Covid-19 Using Sentiment Analysis**” Journal of Positive School Psychology, Web page Link: <https://journalppw.com/index.php/jpsp/article/view/4721>, Scopus Indexed Q2 Journal, 14.5.2022, Vol. 6 No. 3 ,ISSN: 2717-7564 PP: 7816-7826SJF Impact Factor: 0.54, May 2022

## International Conference:

1. Prof. Muneshwara M S, “**Classification of Malicious Websites using feature based Machine Learning Techniques** ” , International Conference on Intelligent Systems & Network, SwinBurne Vietnam Innovation space, Hanoi, Vietnam, 19.3.2022,
2. Prof. Muneshwara M S, “**Developing Virtual Police Station to Receive FIR Through Digital Signature**” IEEE 6th International Conference on Intelligent Computing and Control Systems (ICICCS 2022) May 25-27, 2022

**Patents:**

Dr. Anil G.N, Prof. Muneshwara M S, applied for a Patent Title “**A Blockchain Based Approach to Secure the Human Ethical Data from Diagnostic Centers**” on 10.2.2022 and published in Indian Patent Advanced Search System (inPASS) on 25.2.2022

**Students Workshop conducted/ organized:**

1. Dr.Usha B A, Associate Professor, Dept of CSE as a coordinator had conducted a Two days Skill Development Program on “**Smart IoT System Design For Industrial Applications**” on 8.4.2022 and 9.4.2022 for Final Year students in association with Indian TechKeys.



**2. Open Course-2022 session:**

The Department of CSE has organized 8 Open courses to enable the students to acquire higher cognitive skills in core topics as well as on contemporary topics with industry involvement in design, delivery of syllabus/topics and demonstration of modern relevant tools. The open course on Cognitive security and Block chain Technology is contemporary in nature with a gamut of expert resource persons from Industry, Academia, and Research on board. They motivated the students to focus on the present demand of the industry in the perspectives of skill, knowledge and opportunities. The topics were delivered with hands-on sessions initiated from cyber security, cognitive security, Application AI/ML in Cognitive security, and up to demonstration of Blockchain technology using Ethereum along with the demonstration of Use-Cases and Project works. This Open Course was organized by the coordinators Dr.Arun kumar B.R and Dr.Anjan Krsihnamurthy who worked as resource persons as well.



**BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
AN AUTONOMOUS INSTITUTION AFFILIATED TO JNTU

## HANDS ON IOT SYSTEM DESIGN AND ITS APPLICATION



"India to see 3 Billion IoT devices by 2022 as growth turns exponential going to have huge impact on governance"  
**Union Minister Jitendra Singh**

### TOPICS COVERED

- Embedded System Programming
- Raspberry Pi Microprocessor
- Raspbian OS Architecture
- Integration of Sensor and Actuators
- IOT Web App Development
- Sensor for Smart Agriculture
- IOT Application

### INDUSTRY INVOLVED

- Intel India
- Nihon Communication
- Indian Tech Keys




**REGISTRATION**  
 COURSE DATES: 15 - 17 JUNE  
 COURSE FEE: ₹ 400.00  
 LINK: [HTTPS://PROJECTS.BMSIT.AC.IN](https://projects.bmsit.ac.in)



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

**BMS INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
(Autonomous Under JNTU)




**Department of Computer Science & Engineering**

**OPEN COURSE III**

## Cloud Computing

**EVEN SEMESTER 2022**

**15th to 17th June 2022**

**9.30 AM to 4.30 PM**

**Preamble:** Cloud computing allows computer users to conveniently rent access to fully featured applications, to software development and deployment environments, and to computing infrastructure assets such as network-accessible data storage and processing.

This course enables students to understand basics of Cloud computing, virtualization, services of cloud computing and its applications.

**Registration link:** [projects.bmsit.ac.in](https://projects.bmsit.ac.in)

**Coordinators**  
 Prof.Chethana C - 97975312504  
 Prof. Durgadevi G.Y - 9480613001

**RS 400/-**



SN	Course Incharge	Course Name	Date	External Resource Person name
1	Dr. Anjan Krishnamurthy & Dr. Arun Kumar B R	Cognitive Security and Blockchain Technology	13-6-2022	Dr. Rajan M A
			13-6-2022	Mr. V Purushottam Naidu
			14-6-2022	Dr. Sharvani G S,
			16-6-2022	Prof. Gururaja H S
			17-6-2022	Chaluvadi Sri Sai Santosh
2	Dr. Hemamalini B H & Dr. Radhika K R	Python for Machine Learning	15-6-2022	Arunjit Choudhary
			16-6-2023	Arunjit Choudhary
			17-6-2022	Bhargav Sagiraju
3	Mr. Muneshwara M S & Mr. Jagadish P	Java for Placements	13-6-2022	<b>Mr. VISHWANATH MODI / Mr. SHARAVAN VIKAS/ Mr.AMRITH DEVOOR</b>
			14-6-2022	
			15-6-2022	
			16-6-2022	
			17-6-2022	
4	Dr. Srivani P & Dr. Dhanalakshmi B K	Mobile Application Development	13-6-2022	Mr Nithin
			14-6-2022	Mr Nithin
			15-6-2022	Mr Sayan
			16-6-2022	Mr Anmol
5	Ms. Chethana C & Ms. Durga Devi	Cloud Computing	15-6-2022	V Kishor Kumar, Cloud architect
			16-6-2022	
			17-6-2022	
6	Dr. Sunanda Dixit & Dr. Manoj H M	Full Stack Web Development	13-6-2022	Ravi kumar Singh
			14-6-2022	Ravi kumar Singh
			15-6-2022	Ravi kumar Singh
			16-6-2022	Ayush Seth
			17-6-2022	Ayush Seth
7	Dr. Usha B A & Ms. Marikrithima A	Internet of Things	15-6-2022	Mr. Kotresh and Ms. Srinika
			16-6-2022	Mr. Kotresh and Ms. Srinika
			17-6-2022	Mr. Kotresh and Ms. Srinika
8	Ms. Bharathi R & Mr. Rajesh N V	Web Technology	13-6-22	Vishwanath Modi
			15-6-22	Vishwanath Modi

## EDITORIAL TEAM

### STAFF EDITOR



Mr. Muneshwara M S  
BE, M.Tech (Ph.D)

### STUDENT EDITORS



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8<sup>th</sup> Sem, CSE



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