

THE EDIFICE

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THE EDIFICE NEWSLETTER

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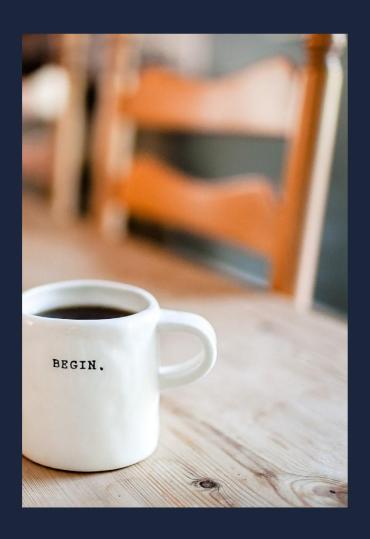


DEPARTMENT OF INFORMATION SCIENCE AND ENGINEERING

VISION

Emerge as Centre of learning in the field of information science & engineering with technical competency to serve the society.





MISSION

To provide excellent learning environment through balanced curriculum, best teaching methods, innovation, mentoring and industry institute interaction.

HoDs' Desk

I feel great pleasure to present yet another issue of our Department Magazine "THE EDIFICE" Vol 1 Issue 12 (Jan – June 2023).

THE EDIFICE is a platform where all the department activities are brought under one folder. This half yearly magazine showcases active involvement of our students in various creative events and hidden talents of our aspiring students. It also includes the dedicated teamwork put in by all our faculties in teaching learning process and faculty



achievements like patents, expert talks, publication and research & consultancy. I congratulate the entire editorial team for their effort in bringing out "THE EDIFICE" in a very innovative way.

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Workshop / FDP/ Seminar / Conferences Attended by faculty

1. Topic : Intellectual Property Rights Organized by IP Cell in association with KSCST

Attended: Dr. Usha B A, Professor

Date : 23.08.2023 **Venue** : BMSIT&M

2. Topic : Research Applications in Artificial Intelligence and Machine Learning

Attended: Dr.Usha B A, Professor

Date: 11.08.2023 to 15.09.2023

Venue : Dept. of ECE, JSS Academy of Technical Education, Bangalore

3. Topic : Data Science Tools for Secure Cloud Computing

Attended: Dr. Swetha M S, Asst Professor

Date : 30.10.2023 to 04.10.2023

Venue : Dept of ISE, CMR Institute of technology and management, Bengaluru



4. Topic : Hydrogen Hybrid Technology for Cleaner Mobility Revolution

Attended: Dr. Swetha M S, Asst Professor

Date : 06.11.2023 to 11.11.2023

Venue: Dept of ME, BMS Institute of technology and management, Bengaluru



5. Topic : Image to Image translation using HiDT

Attended: Dr. Harish kumar N, Asst Professor

Date : 03.11.2023 to 04.11.2023

Venue : SVCE, Bengaluru in association with IEEE student Branch



6. Topic : Hydrogen Hybrid Technology for Cleaner Mobility Revolution

Attended: Dr. Kanthavaraju V, Asst Professor

Date : 03.11.2023 to 04.11.2023

Venue : SVCE, Bengaluru in association with IEEE student Branch



Students Workshop Conducted /Organized.

- 1. Dr. N Rakesh, Delivered a session on "Introduction to Machine learning" as part of an open course program held at BMSIT&M, Benagluru from 12th June to 16th June 2023.
- **2.** Delivered a session on "Javascript programming" as part open course program held at BMSIT&M, Bangaluru from 12th June to 16th June 2023.

Outreach Activity

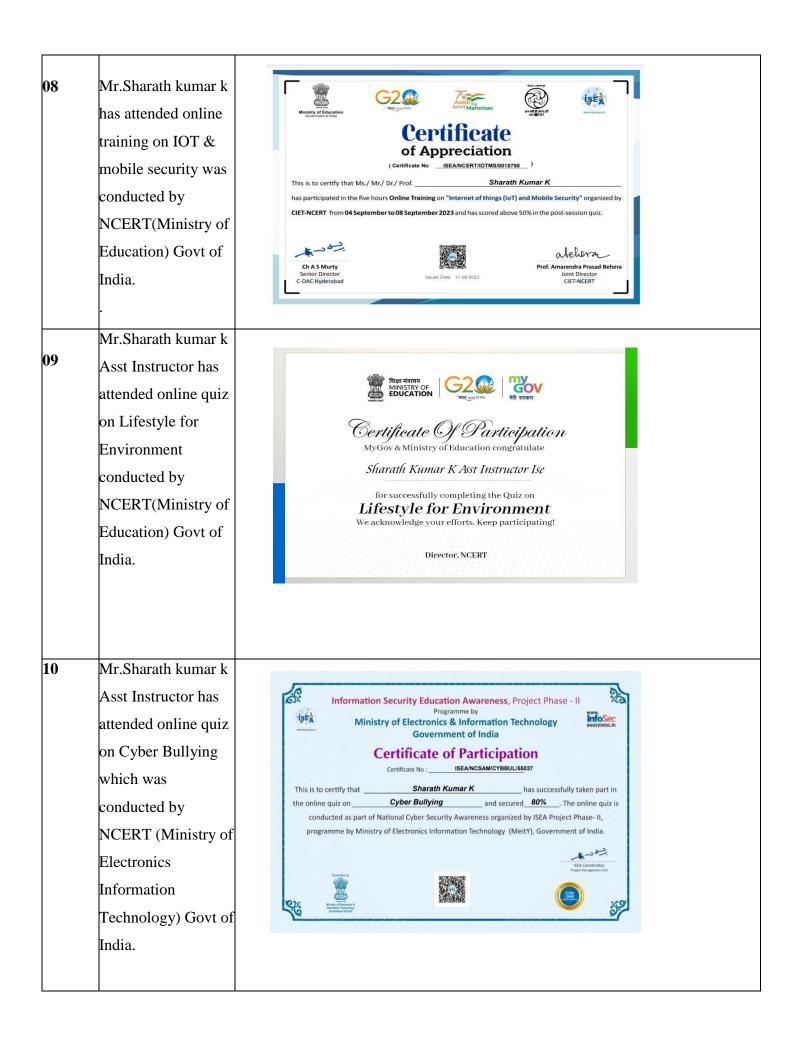
- 1. Dr. Shoba M, Associate Professor, Department of ISE has extended their support for "INSPARK 2023 Project Exhibition" as Evaluator from Academics on 27.05.2023 at Department of ISE, NMIT Bengaluru.
- 2. Dr. Shoba M, Associate Professor, Department of ISE has been identified as the editor for the book series titled "Futuristic Trends in Artificial Intelligence" under IIP Volume 3, Iterative International Publishers.

Awards / Achievements/ Recognitions









Mr. Sharath kumar k
has attend online
training on Social
media and
cybersecurity
organized by
NCERT(Ministry of
Education) Govt of
India.



Memorable Moments/ OBE Activities



BOE/BOS

- 1. Dr. Shoba M, Associate Professor, Department of ISE was a BOE member for BMSIT&M on 20/07/2023.
- 2. Dr.Usha B A, Professor in Department of ISE was appointed as BOE member fromScrutiny of SEE papers of Fourth Semester (ISE Board) of Malnad College of Engineering, Hassan on 15th Sept 2023.

Faculty Resource Person

Sl. No	Event details
	Dr. Shoba M, Associate Professor, Department of ISE was an resource person for "Services and
01	Tools on Cloud Computing" program which was held at BMSIT&M, Banglaore from 12.6.2023
	to 16.6.2023
02	Dr.Usha B A, Professor in Department of ISE has invited as resource person to deliver the talk
	on Artificial Intelligence in Cyber Security for final year students of Dept of ISE, Malnad
	College of Engineering, Hasson on 16th Sept 2023

Industrial Visit

- 1. An industrial visit was arranged by the Department of ISE for VI semester at Mindtree Ltd, Global Village on 21.06.2023. Dr. P Sudarsanam, Dr. Anil Kumar and Prof Ambika Subash accompanied 60 students.
- 2. Srinivas B V,Asst.Professor,Department of ISE has taken students of fourth semester(44 students) for an industrial visit to K-Tech Innovation Hub on 31/08/2023.

Faculty Internship

Sl. No	Name	Designation	Company/Dept	Training	Date
				duration	
01	Dr. Swetha M S	Asstiant Professor	Reverse Engineering Infosec PVT LTD, Bengaluru	10 Days	30-07-2023 to 22-07-2023

Journal Publications:

SL	Staff Name	Title	Journal	National/	Vol	Issue	Page
No.				International	No		
01.	Thanuja K	Epileptic Seizure		SN COMPUT.			
	Dr. Shoba M	Classification and		SCI. 4, 311			
	Patil K	Feature Optimization		(2023).			
		Technique Using Grey		https://doi.org/1			
		Wolf Algorithm on		0.1007/s42979-			
		Dynamic Datasets		023-01741-0			

Conference Publications:

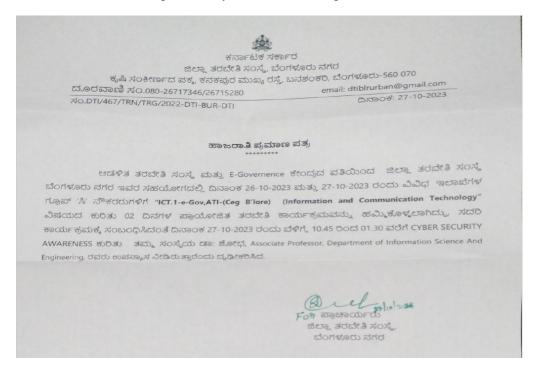
SL No.	Staff Name	Title	Conference	National/ International

Research Centre Activities

- **1.** Dr. Rakesh Associate Professor, Dept of ISE coordinated one day Research paper writing workshop on 28th July 2023.
- **2.** Dr. N. Rakesh Associate Professor, Dept of ISE has co-supervisor in Amrita University, Bengaluru Campus worked on Q1 level paper of research scholar Mr. Mohamed Shakir.

Seminars / Expert Talks

1. Dr. Shoba M delivered a guest lecture on "Cyber Security Awareness" on 27.10.2023 to the 'C' Division Cadre Officers organized by District Training Institute, Govt. of Karnataka.

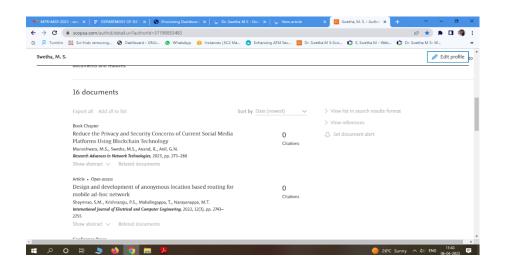


Departmental Co-curricular Activities

1. Department of ISE conducted Quiz On the cybersecurity club "Access Denied" at BMSIT College on May 4th, 2023, organized "Null and Void," an exciting event consisting of a quiz and treasure hunt, which attracted a staggering number of 140 participants. The quiz round challenged participants' knowledge of cybersecurity concepts, while the treasure hunt tested their practical skills in solving puzzles. With a strong emphasis on teamwork and problem-solving, the event provided a thrilling and immersive experience for all participants, effectively promoting awareness and interest in the field of cybersecurity.

Book Chapter

1. Dr. Swetha M S, Assistant Professor, Department of ISE, Published a Book Chapter Title "Reduce the Privacy and Security Concerns of Current Social Media Platforms Using Blockchain Technology", in Research Advances in Network Technologies, Publisher CRC Press, pp 273-287, 23-03-2023 India.



- 2. Dr. Swetha M S, Assistant Professor, Department of ISE, Published a Book Chapter Title "6G Wireless Communication Systems and Its Applications", in Machine Learning and Mechanics Based Soft Computing Applications, Springer Nature Singapore, pp 271-288, 28-02-2023 India. https://link.springer.com/chapter/10.1007/978-981-19-6450-3_25.
- **3.** Dr. Drakshaveni G contributed to the book chapter with the title of the book chapter " Smart Healthcare Cognitive Radio system for future wireless commutation applications with test methodology" in the book title "Artificial Intelligence for Smart Healthcare" on 10.6.2023 DOI:https://doi.org/10.1007/978-3-031-23602-0_22with ISBN:978-3-031-23601-3.

Reviewer for Journal/Conference

1. Dr. Harish Kumar N. Assistant Professor, Dept.of ISE was a reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON) is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section. (SCOPUS INDEXED).



2. Dr. Harish Kumar N. Assistant Professor, Dept.of ISE was a reviewer for IEEE Mysore Subsection at GSSS Institute of Engineering & Technology for Women, during 5th August -7th August 2023 in association with IEEE India Council and IEEE Bangalore Section.(SCOPUS INDEXED)



3. Dr. Usha B A, Professor, Dept.of ISE was a reviewer for AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)is organized at Nitte Meenakshi Institute of Technology, Bengaluru INDIA during 1st and 2nd September 2023 in association with IEEE Bangalore Section. (SCOPUS INDEXED).



4. Dr. Shanthi D L. Assistant Professor, Dept.of ISE was a Program committee Member and Reviewer for 2023 IEEE World conference on Applied Intelligence and Computing (AIC 2023) jointly organized by Rajkiya Engineering college, Sonbhadra, India and Ashoka Institute of Technology & Management, Varanasi, India Technically Sponsored by Soft Computing Research Society during July 29-30 2023 in India. (SCOPUS INDEXED).



5. Dr. Shanthi D L, Assistant Professor, Department of ISE, was a was a Program Committee Member and Reviewer in the 2nd International Conference on Advances in Data-Driven Computing and Intelligent Systems (ADCIS 2023) held during 21-23 September 2023. (Scopus indexed).



- **6.** Dr.Usha B A, Professor in the Dept of ISE has reviewed the papers of 7th IEEE International Conference on "Computational Systems and Information Technology for Sustainable Solutions [CSITSS 2023]" is being organized jointly by RV College of Engineering in association with Florida International University (FIU), USA, Technically co-sponsored by IEEE Bangalore Section during Sept 2023.
- 7. Dr.Kantharaju V, Assistant Professor in the department of ISE has reviewed the papers of AICTE sponsored International Conference on networks, Multimedia and Information Technology(NMITCON) is organized at "Nitte Meenakshi Institute of Technology, Bengaluru during 1st and 2nd september 2023.
- **8.** Dr.Shanthi D L, Assistant Professor in the department of ISE has reviewed the papers of AICTE sponsored International Conference on networks, Multimedia and Information Technology(NMITCON) is organized at"Nitte Meenakshi Institute of Technology, Bengaluru during 1st and 2nd september 2023.
- **9.** Dr.Shanthi D L, Assistant Professor in the department of ISE was program committee member and reviewer in the 2nd International Conference on Advances in Data-Driven Computing and Intelligent Systems (ADCIS-2023) sponsored by Soft Computing and Research Society (SCRS), is organized by BITS Pilani, K K Birla, Goa Campus, India, during 21st to 23rd September 2023.

International Journal

- 1. **Dr. Narasimha Murthy M S & Supritha N** " A Comparative Study of the CNN Based Models Used for Remote Sensing Image Classification" International Journal of Electrical & Electronics Research (IJEER) Volume 11, issue 3 , Pages : 646-651 , DoI: https://doi.org/10.37391/ijeer.110301
- 2. **Dr. Narasimha Murthy M S , Vidya H A** "Artificial Intelligence in Agriculture and Healthcare: A Comprehensive Study" European Chemical Bulletin 2023, Volume 12(issue 8), 7745-7754 , DOI: 10.48047/ecb/2023.12.8.628.

Memorable events may include:external committee visits, orientation day, PTM, OPEN DAY

Dr.Usha B A, Professor and Chief Incubation Coordinator had attended Carbon Zero Challenge
 O and also visited IIT Incubation Centre at IIT Madras on 26th - 27th July 2023.



International Conference

- 1. Dr. Shoba M, Associate Professor, Department of ISE was a reviewer for Conference "AICTE Sponsored IEEE International Conference on Networks, Multimedia and Information Technology (NMITCON)" organized by Nitte Meenakshi Institute of Technology, Bengaluru, INDIA during 1^{st} and 2^{nd} , September 2023 in association with IEEE Bangalore Section. (the conference is indexed in SOCPUS).
- **2**. Harish Kumar, N, C Datta Shashank, N Adithya, Abhiram Galla, B Likeith, and G Deepak. 2023. "A Comprehensive Survey on Weed Identification in Agriculture Using Machine Learning." IEEE Xplore. July 6, 2023. https://doi.org/10.1109/ICAIA57370.2023.10169741.
- **3.** Kantharaju V , Harish Kumar N,Deepak G, Karthik S A, Niranjanamurthy M, Kushal Gopal "AIRFACTOR- Bangalore Based Air Pollution Monitoring and Prediction Application using Machine

- Learning", 2023 International Conference on Network, Multimedia and Information Technology (NMITCON) 1st and 2nd September 2023.
- **4.** Dr.Usha B A, Professor in Dept of ISE has attended and presented the paper titled "A Survey on Big Data in Cyber Security" in the IEEE International Conference on "Multidisciplinary Research in Technology and Management MRTM 2023 organized by New Horizon College College of Engineering during 22-23rd Sept 2023.
- **5.** Karthik S A, Basavaraj G N, Seemanthini K, Harish Kumar N, Liyakathunisa and S. R. K, "Hybrid Approach for Retail Store Auditing Using CRNN," 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-7, doi: 10.1109/NMITCON58196.2023.10276301.
- **6.** Dr. Narasimha Murthy M S et.al presented paper "Deep Learning and MRI Improve Carotid Arterial Tree Reconstruction", 2023 International Conference on Data Science and Network Security (ICDSNS),dt: 28-29 July 2023, KIT ,Tiptur, India ISBN:979-8-3503-0159-5, DOI: 10.1109/ICDSNS58469.2023.10245397.
- 7. Kantharaju V, Harish Kumar N, Deepak G, Karthik S A, Niranjanamurthy M, Kushal Gopal, "AIRFACTOR- Bangalore Based Air Pollution Monitoring and Prediction Application Using Machine Learning," 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-6, DOI: 10.1109/NMITCON58196.2023.10276050.
- 8. Karthik S A, Basavaraj G N,Seemanthini K, Harish Kumar N, Liyakathunisa, Supriya R K, "Hybrid Approach for Retail Store Auditing Using CRNN," 2023 International Conference on Network, Multimedia and Information Technology (NMITCON), Bengaluru, India, 2023, pp. 1-7, DOI: 10.1109/NMITCON58196.2023.10276301.

Any other Initiatives by the departments: (Which does not fall in the above categories)

1. Dr. Shoba M, Associate Professor, Information Science & Engineering Department has completed 3-week intensive certification course on "Natural Language Processing" from AIMER Society.



2. Dr. Shoba M, Associate Professor, Information Science & Engineering Department has participated in the challenge organized by 5th edition of the Indo-Dutch Cybersecurity School organized by Hauge centre for strategic studies.



Faculty List

Sl. No	Faculty Name	Qualification	Designation
01.	Dr.Manjunath T N	M. Tech, Ph.D	Professor
02.	Dr. S.K. Pushpa	M. E, Ph. D	Professor & HOD, Dean career Guidance
03.	Dr. M V Sudhamani	M. Tech, Ph.D	Professor
04.	Dr.Usha B A	M. Tech, PhD	Professor
05.	Dr. Anjan Krishnamurthy	M. Tech, PhD	Professor & Head ITS
06.	Dr. Sheela Katavate	M. Tech, Ph.D	Associate Professor
07.	Dr. Surekha K B	B.E, M.Tech, Ph.D	Associate Professor
08.	Dr. Geeta Amol patil	B.E, M.Tech, Ph.D	Associate Professor
09.	Dr. N. Rakesh	B.E, M.Tech, MBA, MSc, Ph.D	Associate Professor
10.	Dr. Veena N.	M. Tech,Ph. D	Associate Professor
11.	Dr. Shobha M	B.E, M.Tech, Ph.D	Associate Professor
12.	Dr. Prakash G L	B.E, M.E, Ph.D	Associate Professor
13.	Dr. Drakshaveni G	BSc, MCA, M.Tech, Ph.D	Assistant Professor
14.	Prof. Mahalakshmi.S	B.E, ME, (Ph.D)	Assistant Professor
15.	Dr. Shanthi D L,	B.E, M.Tech, Ph.D	Assistant Professor
16.	Dr. Chandrashekhara K T	B.E, M.Tech, Ph.D	Assistant Professor
17.	Dr. P. Sudarsanam,	B.Sc, MCA, M.E, Ph.D	Assistant Professor
18.	Dr. Gireesh Babu C N	B.E, M.Tech, Ph.D	Assistant Professor
19.	Prof. Ambika Rani Subhash	B.E, M.Tech, (Ph.D)	Assistant Professor
20.	Dr. Swetha M S	B.E, M.Tech, Ph.D	Assistant Professor
21.	Prof. Vinutha K	B.E, M.Tech, (Ph.D)	Assistant Professor
22.	Prof. Ravi Kumar B N	B.E, M.Tech, (Ph.D)	Assistant Professor
23.	Dr. Narasimha Murthy M S	B.E, M.Tech, Ph.D	Assistant Professor
24.	Dr. Mohan B A	B.E, M.Tech, Ph.D	Assistant Professor

25.	Dr. Anil Kumar	B.E, M.Tech, Ph.D	Assistant Professor
26.	Dr. Savitha S	B.E, M.Tech, Ph.D	Assistant Professor
27.	Dr. Basavaraj G N	B.E, M.Tech, Ph.D	Assistant Professor
28.	Dr. Karthik S. A	B.E, M.Tech, Ph.D	Assistant Professor
29.	Dr. Kshama S. B	B.E, M.Tech, Ph.D	Assistant Professor
30.	Dr. Kantharaju V	B.E, M.Tech, Ph.D	Assistant Professor
31.	Dr. Kalaivani Y. S	B.E, M.Tech, Ph.D	Assistant Professor
32.	Dr. Harish kumar	B.E, M.Tech, Ph.D	Assistant Professor
33.	Prof. Srinivas B. V	B.E, M.Tech, Ph.D	Assistant Professor
34.	Prof. Bhavya. G	B.E, M.Tech, Ph.D	Assistant Professor

TECHNICAL STAFF

Sl. No	Name	Qualification	Designation
01.	Mr. P Ashok Kumar	DCSE	Assistant Instructor
02.	Mr. Raju T	DCSE, BE	Assistant Instructor
03.	Mr. Liju C	DCSE	Assistant Instructor
04.	Mr. Harish S	BE	Assistant Instructor
05.	Dr. Amudha	BE , M.SC (IT) PhD	Programmer
06.	Mr. Sharath kumar k	DCSE	Assistant Instructor
07.	Mr. Radhakrishna G K	DISE, BE	Assistant Instructor
08.	Mr. Sridhar B N	B.com	SDA

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