THE EDIFICE

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THE EDIFICE NEWSLETTER

Faculty Editors:
Dr. Pushpa S.K
Dr.Narasimhamurthy MS

Staff Editor:
Sridhar B N

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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 8 (Jan – June 2021).

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 / Seminar / Conferences Attended by faculty

1. Topic: Block Chain and Uses cases Thread III

Speaker: Prof. Swetha M S , Assistant Professor,

Date: 28.12.2020 to 02.01.2021

Venue: Vishwakarma Institute of Information Technology Pune

REVA UNIVERSITY
Bengaluru, India

Certificate of Participation

School of Computing and Information Technology

Thank you
Shanthi D L
of BMS Institute of Technology and Management
for participating in the Five Days Faculty Development Program on Academia Industry Interaction, Avenues in Funded Projects and Entrepreneurship, held between the 8th and 13th of January, 2021.

Professor & Assistant Director
School of C & IT
REVA University

Professor & Director
School of C & IT
REVA University

Pro Vice-Chancellor
REVA University

2. Topic: Academic Industry Interaction, Avenues in Funded Project and Entrepreneurship

Speaker: REVA University

Coordinator: Prof .Swetha M S , Assistant Professor

Date: 08.1.2021 to 13.01.20

3. Topic:	Academic Industry Interaction, Avenues in Funded Project and Entrepreneurship
Speaker:	Prof. Shanthi D L , Assistant Professor
Date:	08.01.2021 to 13.01.2021.

4.Topic:	"Mobile App Development" conducted by Global Academy of Technology
Speaker:	Dr Surekha K.B., Associate Professor
Date:	15.03.2021 to 17.03.2021

5.Topic:	"Mobile App Development" conducted by SJCIT,Chickballapur
Speaker:	Dr Geeta Patil, Associate Professor
Date:	19.03.2021 to 21.03.2021

6.Topic:	Effective Engineering Teaching Practices
Speaker:	Prof .Gireesh Babu Assistant Professor
Date:	19.04.2021 to 24.04. 2021.

7.Topic :	Psychological Skills for Effective Teaching and Learning.
Speaker:	Dr. S K PUSHPA HoD
Date:	01-07.06
Venue:	Teaching Learning Centre, Ramanujan College University of Delhi.

11.Topic:	Robotics Process Automation
Speaker:	Prof .Shanthi D.L
Date:	05.06.2021
Venue:	KARPAGA VINAYAGA COLLEGE OF ENGINEERING

12.Topic	"Data Mining and Analytics
Speaker:	Prof . Bhavya G Asst Prof
Date:	17th-23rd Feb 2021
Venue:	Computer Science and Engineering, Reva University, Bangalore.

13.Topic:	AICTE sponsored STTP on "Data Science and Applications
Speaker:	Dr. Rudresh Shirwaikar, Assis Prof
Date:	08th- 13th Feb 2021
Venue:	School of Computer Science and Engineering, NIET Greater Noida
13.Topic:	
Speaker:	Prof. Shanthi D L, Assistant Prof

14.Topic:	Innovation in Teaching, Research and Challenges in accreditation Process in higher educational Institutions
Speaker:	Prof . Swetha M S
Date:	17.05.21-22.05.2021
Venue:	St. Peter's Engineering college, Hyderabad

15.Topic	National level FDP on "Impact of Covid on Higher education and Research Initiatives
Speaker:	Prof . Swetha M S
Date:	24.05.2021-28.05.2021
Venue:	SVCET, New Delhi

Workshop /Open course organized

1. Topic: *Robotics with Artificial Intelligence
*Programming for IT career
*Data Science using Python
*Internet of things on Hands on
*Android Application Development

Speaker: Dr. Manjunath T N,
Dr. Sheela K,
Dr. Geeta Patil,
Dr. Surekha and
Mrs. Mahalakshmi S

Date: 01.06.2021-05.06.2021
Venue: Department ISE

Invited talks Delivered by Faculty/ Session chair:

1. Topic: Data Science

Speaker: Mr.GirishBabu CN, Assistant Professor
Venue: RRIT Bengaluru.

Session chair:

01 .Prof . Swetha M S, Assistant Professor,ISE, has a “Jury member” for “Online Project Presentation 2021”, VI semester students of MCA department at Cambridge Institute of Technology Bangalore – 560036, on 29.05. 2021.

02 .Dr. Narasimha Murthy M S, Assistant Professor, ISE was session chair for International Conference In Communication, Electrical and Biomedical Systems (ICCCEBS 2021) at K P R Institute of Engineering & Technology, Coimbatore on 25.03.2021 and 26.03.2021.

03 . Dr Rudresh Shairwaikar, Assistant Professor, ISE was a Session Chair for 7th IEEE, 2021 International Conference on Advanced Computing & Communication Systems (ICACCS) at Coimbatore, Tamilnadu, India on 19-20.03.2021.

Expert Lectures organized by Faculty:

01. Department of ISE organized Motivational talk on Universal Human Values as a part of induction Programme for 1st year students on 16-2-2021 by Speaker Prof.Satyanarana Raju is a professor and chief mentor in Nagarjuna Group of Institutions. He motivated all students through inspiring quotes and talking about great leaders. He also expressed his happiness by discussing his son career success after graduation from BMSIT. Finally he highlighted important key points adopted in life to meet everyone's aspiration

02 .Department of ISE organized orientation program as a part of induction Programme for 1st year Students on 19-2-2021. Dr. Pushpa S K, HOD ISE presented about the department of ISE, and Sessions on Rules and regulation of Department, Various clubs, Placements, Library facilities are Informed to students.

Dr. Pushpa S K,HOD,ISE presenting about Department

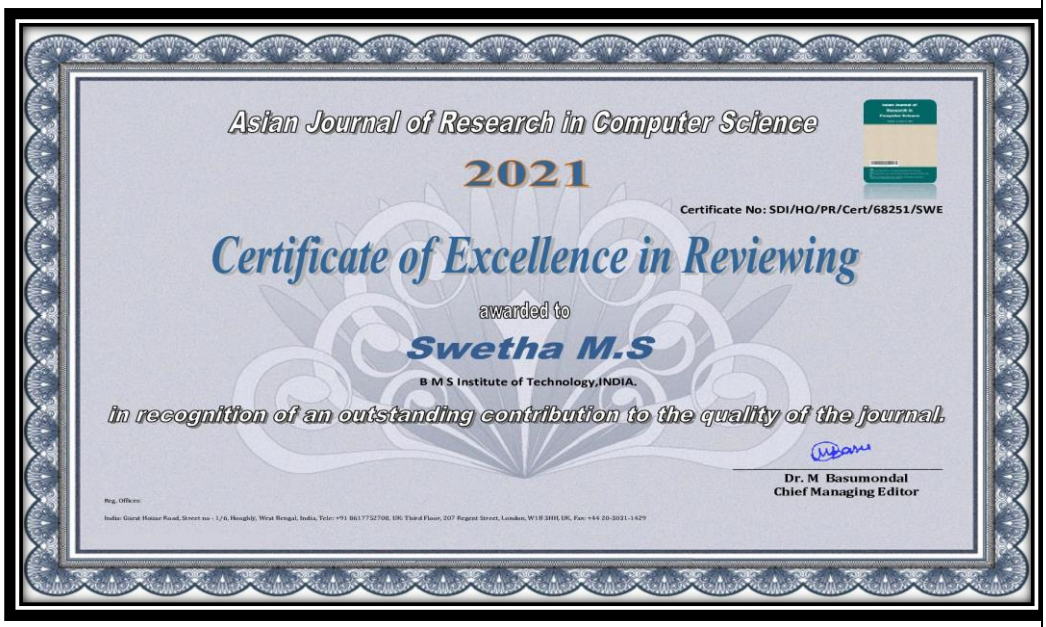
03. Ms. Divyatha Prabhu, an alumna of BMSIT&M, Founder of the startup "v-dya", an innovative online placement training forum. She is working as the security analyst and reverse engineer for Google through cognizant. Previously she worked as a research intern at Tata Advanced Systems Ltd. In automating the UAV's for the Border security forces. She is an international dancer and travelled the globe and has gotten accolades for her performance. An avid writer who has a collection of poems, some published on international platforms. She highlighted her journey at BMSIT and opportunities to grab during studies during the session between 10.00AM to 11.30AM.

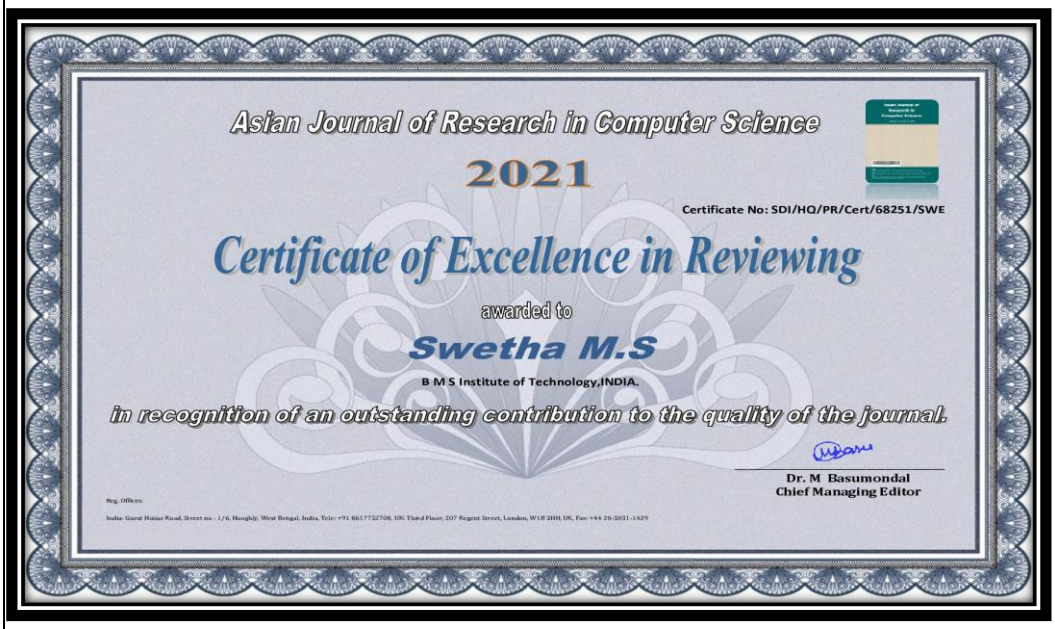
Session by Ms. Divyatha Prabhu, Alumna, ISE Dept., BMSIT&M 08/05/2021

04. Mr. Shankar A, an alumnus of BMSIT&M, he is a passionate fitness enthusiast and also is in the fitness industry from 6 years. He is well versed in sports nutrition, general nutrition and muscle building. Apart from following his passion he also carries experience o f11+ years in IT industry as software professional. His session on “Fitness mantra for good health” was very interesting and students learnt many thing about everyday lifestyle by interacting with speaker during the session between 10.00AM to 11.00AM.

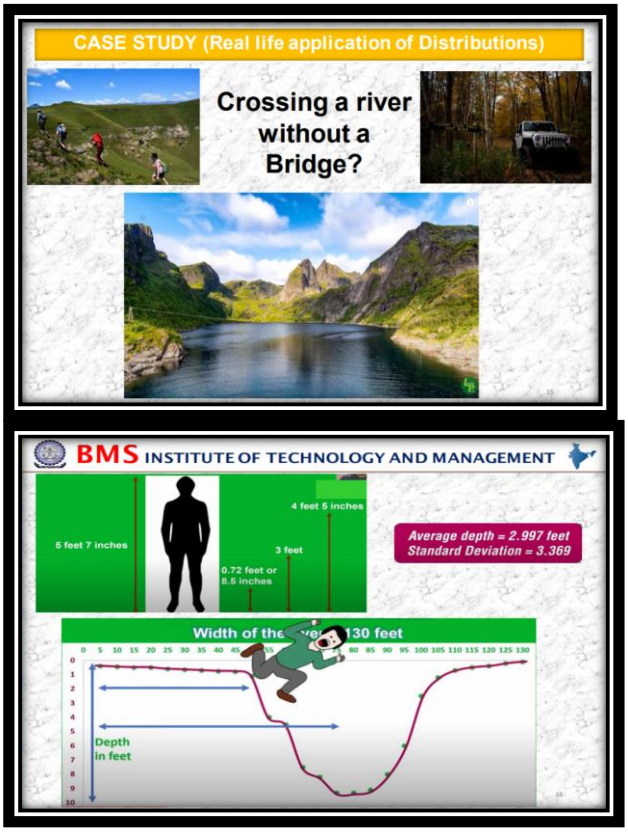
Fitness session by Mr. Shankar A, alumnus, BMSIT&M

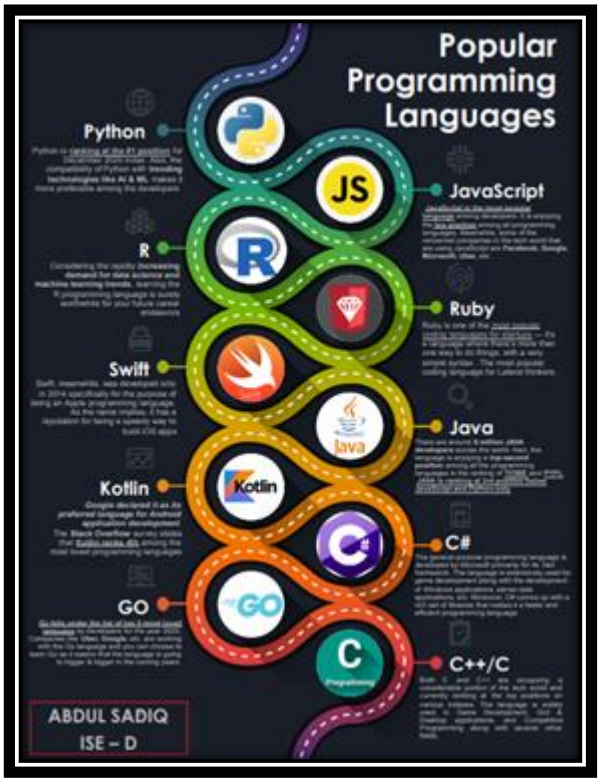
Awards / Achievements/ Recognitions

Sl No	Staff Name	Award/Achievement/ Recognitions details
01.	Prof. Swetha M S	EXCELLENCE IN REVIEWING AWARD" from Journal of Engineering Research and Reports in February 2021 and the journal is quality controlled, OPEN peer-reviewed, open access international journal  .

02.	Dr. Rudresh Shirwaikar	Reviewer for journal Computer Methods and Programs in Biomedicine, Elsevier (Scopus Q1), February 2021
03.	Dr .Shanthi D L	Department of ISE was a reviewer for International Journal of Electrical and Computer Engineering, Scopus Q2, February 2021
04.	Prof. Swetha M S	Dept. of ISE " Award has a "Excellence in Reviewing" from the "Asian Journal of Research in Computer Science", Web of Science Open Access Journal for the year 2021 

Memorable Moments/ OBE Activities

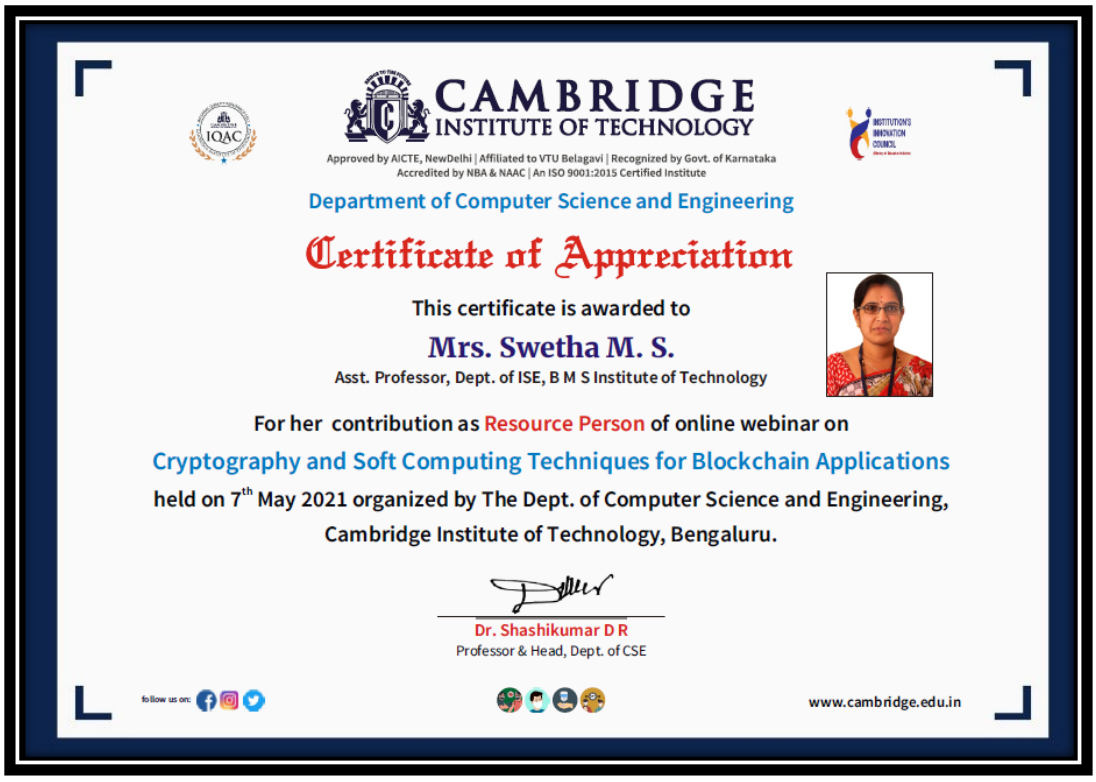
Sl No	Event	Event details
01.	**OBE**	OBE activity was held for 3rd semester A and B section students for the subject - Discrete Mathematical Structures (18CS36). Students were grouped into 18 batches, four students in each batch and students were informed to present mathematical concepts used in various distributions. Students presented the topic very enthusiastically and were able to understand the mathematical concepts and its application in real life situations. Also implement the same using programming language. 

		Coding Club, Department of ISE conducted a poster presentation on “ Popular Programming Language” on 5th March 2021. This session was organized for 1st sem students of the ISE department. Around 8 groups consisting of 3 members have participated. 

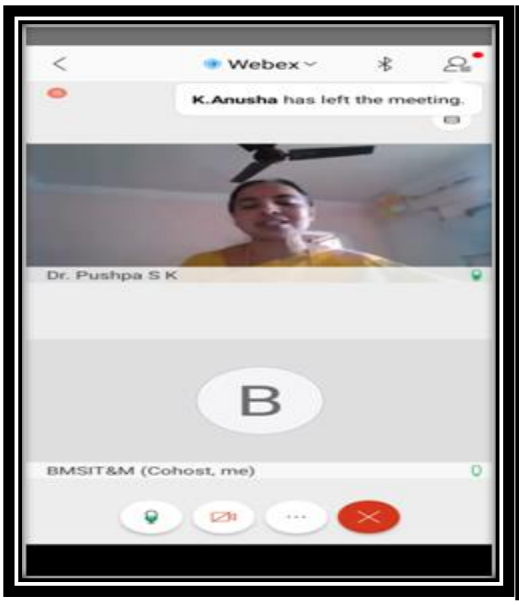
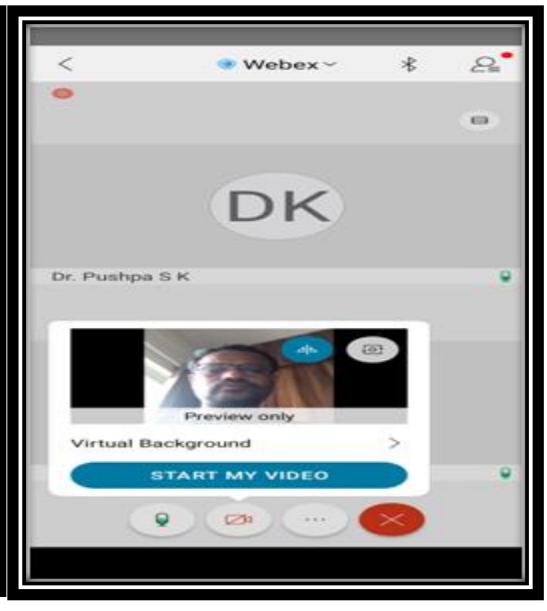
Faculty Resource Person:

01. Dr. Geeta Amol Patil, Associate Professor, ISE has extended their support as Resource person for delivering a talk on Systems for Data Analytics, at CISCO, Bangalore, on 08.05.2021.

02. Prof. Swetha M S, Assistant Professor, ISE has extended their support as Resource Person for Delivering talk on “Cryptography and Soft Computing Techniques for Blockchain Applications" at Department of CSE, Cambridge Institute of Technology, Bangalore, on 7.05.2021



03.		Dr. Geeta Amol Patil, Associate Professor, ISE has extended their support as Resource person for four days faculty development program on “Future Trends of Data Analytics” , from 15.06. 2021 to 18.06.2021 at Lourdes Matha, College of Science & Technology, Thiruvananthapuram, Kerala.
04.		Dr. Rudresh Shirwaikar, Assistant Professor, ISE has extended their support as Resource person for four days faculty development program on “Future Trends of Data Analytics” , from 15.06. 2021 to 18.06.2021 at Lourdes Matha, College of Science & Technology, Thiruvananthapuram, Kerala
05.		Dr. Shridhar Sanshi, Assistant Professor, ISE has extended their support as Resource person for three days faculty development program on “IoT and its framework-Hands-on” , from 24.06.2021 to 26.06.2021 at Narayana Engineering College, Gudur,Andhra Pradesh
06.		Dr.Narasimha Murthy M S, Assistant Professor, ISE has extended his support as Resource person for Half yearly Research Advisory Meeting on 16.03.2021 at GITAM University, Bengaluru.
07.		Dr. Rudresh Shirwaikar delivered a Invited talk on AI and ML in Robotics on 17.03.2021 at Goa State Innovation council for graduate students.

01.	**PTM:**	The ONLINE parent teacher meeting for 4th , 6th and 8th semester students of ISE was held on 12.06.2021 from 9.00am to 10.15am followed by one to one parent proctor meet from 11.40am to 1.00 am. There were about 120 parents who came ONLINE, Dr.Narasimha Murthy M S-Convenor of the PTM has welcomed the gathering with note and purpose of PTM. Further, Dr. Pushpa SK, HOD, Department of ISE, BMSIT&M has addressed the parents. The HoD has elaborated in detail all the activities taking place in the department and college. In continuation to the official PTM , the one to one parent-proctor meet was conducted from 11.40 am to 1.00 pm and many parents have joined the Google Meet and obtained their wards information like attendance, 3rd , 5th , and 7th sem results, 1st IA marks, placement details etc., All the proctors have given the complete information to parents and asked them to keep continuous touch with them to get first hand information of their wards. The overall PTM event went very well and the parents have assured that, they would support the department and the college in every aspects of their wards journey at BMSIT&M.  

BOE

Dr.Manjunath.T.N, Professor, Information was a BOE Member for UG & PG Programs of Information Science and Engineering, Ramaiah Institute of Technology for the academic year 2020-22

Patent File Granted

01.

Dr. Narasimha Murthy M S Filed & Published an Indian Patent (Office of the Controller General of Patent, Designs & Trademarks, Department for Promotion of Industry and Internal Trade, Ministry of Commerce and Industry, Government of India) on the title "Method for Plant Disease Detection using Machine Learning and Methods thereof", Application Number : 202141010619A, Publication dated 19.03.2021

02.

Dr.Veena N and Prof.S.Mahalakshmi dep't of ISE granted an Australian patent on the title "Security Technique In Energy Harvesting Iot of Devices Using Slotted Aloha With Noma", Application Number : 2021100913, Publication dated 14.04.2021.

	03.	Dr.Shridhar Sanshi dep't of ISE granted an Australian Govt. patent on the title Woman Safety Hidden Malicious Chip Using IoT- Based Location Tracking "Technology", Application Number : 2021101341, Publication dated 28.04.2021
	Project Based Learning:	The Online Project Based Learning was conducted at the Department of ISE from 10.06.2021. About 337 students from IV and VI Semester participated on Online Project Based Learning and came out with innovative projects which were based on Machine learning & Artificial Intelligence, Android, Web based applications, networking and IoT based projects. Total 93 projects were evaluated by an Internal Committee at the Department on 10.06.2021. HoD congratulated all the participants for bringingout wonderful projects.

Faculty Internship:

Sl. No	Name	Designation	Company/Dept	Training duration	Date
01	Dr. Sheela Kathavate	Assoc. Professor	IoT using machine Learning" organized by STEP – National Institute of Technology, Surathkal in association with Pantech eLearning	5 Days	03.12.2020 - 08.01.2021
02	Dr. Rudresh Shirwaikar	Professors	IoT using machine Learning" organized by STEP – National Institute of Technology, Surathkal in association with Pantech eLearning	5 Days	03.12.2020 - 08.01.2021
03	Mrs. Shanthi D L	Asst. Professors	IoT using machine Learning" organized by STEP – National Institute of Technology, Surathkal in association with Pantech eLearning	5 Days	03.12.2020- 08.01.2021
04	Mrs. S.Mahalakshmi	Asst. Professors	JaiChamundi Tech Pvt.Ltd, Bengaluru	13 days	2.3.2021 -13.3.2021

05	Dr.Veena N	Asst. Professors	JaiChamundi Tech Pvt.Ltd, Bengaluru	17 days	08.3.2021 - 25.3.2021
06	Mrs. Shanthi D L	Asst. Professors	DIGIPIX Technologies, Bengaluru	12 days	08.3.2021 to 20.3.2021
07	Mrs. Swetha M S	Asst. Professors	Master Associates , Bengaluru	11 days	08.3.2021- 13.3.2021 22.3.201- 27.3.2021

Publications

Journal Publications:

SL No.	Staff Name	Title	Journal	National/ International	Vol No	Issue	Page
01.	Dr. Pushpa S K, Dr. Manjunath T N, Swetha M S	Strong Secure Anonymous Location Based Routing (S2ALBR) method for MANET	Scopus	International	12	3	4349 - 4356
02.	Dr. Rudresh Shirwaikar	UKRI Medical Research Council – Clinical Research Training Fellowship		Journal			
03.	Mrs S.Mahalakshmi	Touch less Recycle Bin Internet of Things to Preventing Germs Spread and Real-time Integrated Waste Management		Journal			
04.	Mr .Gireesh Babu C N	Turkish Journal of Physiotherapy and Rehabilitation		Journal	32		1721 - 1729

Conference Publications:

SL No.	Staff Name	Title	Conference	National/ International
01	Prof. Swetha M S	Reviewer for the conference Sixteenth International Conference on Information Processing		International

02	Dr. Geeta Amol Patil	Reviewer for the conference Sixteenth International Conference on Information Processing	Scopus	(ICInPro) – 2021
03	Prof.S.Mahalakshmi	SpringerNature ComputerScience Journal(Scopus Indexed)	Scopus	National
04	Prof .Swetha M S	Presented a Paper Title " Soft Computing Technique for Block Chain Enabled Secure Healthcare System", in Fifth International Conference on Intelligent Computing and Control Systems	(ICICCS 2021)	International
05	Prof .Swetha M S	Presented a Paper Title "Advanced Wireless techniques to avoid accidents on roads through wearing Smart helmet", in Fifth International Conference on Intelligent Computing and Control Systems	(ICICCS 2021)	International

06	Pushpa S. K, Manjunath T N, Swetha M S	Block chain enabled secure healthcare Systems" in "IEEE International Conference on Machine Learning & amp;	Scopus Indexed	IEEE International Conference on Machine Learning & amp; Applied Network Technologies" (IEEE-ICMLANT2020) ISBN Information: Electronic ISBN:978-1-7281-8885-0 Print on Demand(PoD) ISBN:978-1-7281-8886-7. Indexed on 23rd February 2021, DOI: 10.1109/ICMLANT50963.2020.9355970 (Scopus indexed).
07	Mrs. Swetha M S	Intrusion Prediction and Detection using Support Vector Machine (SVM) and Artificial Neural Network (ANN) European Journal of Molecular & Clinical Medicine	Scopus Indexed	ISSN 2515-8260 Volume 7, Issue 08, 2020(Scopus indexed)
08	Prof. S.Mahalakshmi, Dr.Veena.N, Guruprasad.S, Pallavi.H,	Conditional Monitoring of a Sprinkler System Using Feedback Mechanism", Proceedings of 4th International Conference on Intelligent Sustainable Systems	Scopus Indexed	International Journal of Aquatic Science, Vol 12, Issue 02,(2021), 1763-1769,ISSN 2008-8019

09	Dr.Shaik Shaker, S.Mahalakshmi	Analyzing The Performance of Marketing Life Cycle Process using Software Architecture Model	Scopus Indexed	Vol-41 pp 1-12,2021, DOI: 10.3233/JIFS-189879 (Scopus Indexed Journal) also indexed in IOS Press Content library.
10	Prof. Swetha M S	ExypnoSteganos -A smarter approach to steganography	Scopus Indexed	

StudentInternship

Sl. No	Student Name	USN	Sem	Organization Name	Starting Date	Ending Date
1	Mr.Raghavendra. K		5th	SIGMA Tenant	15.3.2021	15.3.2021

FACULTY

Sl. No	Faculty Name	Qualification	Designation
1	Dr. S.K. Pushpa	M. E. Ph. D	Professor & Hod
2	Dr.Manjunath T N.	M. Tech, Ph.D	Professor
3	Dr. Sheela Katavate	M. Tech, Ph.D	Associate Professor
4	Dr. Surekha	Ph.D	Associate Professor
5	Dr. GEETA AMOL PATIL	M. E , Ph. D	Associate Professor
6	Dr .Veena N.	M. Tech,Ph. D	Associate Professor
7	Mrs. S. MAHALAKSHMI	M.E(Ph. D)	Assistant Professor
8	Mrs. Shanthi DL	M.Tech,(Ph.d)	Assistant Professor
9	Mr. Chandrasekhar K T.	M. Tech, (Ph. D)	Assistant Professor

10	Mr. GirishBabu C N	M. Tech, (Ph. D)	Assistant Professor
11	Mrs. Bhavya G	M. Tech, (Ph. D)	Assistant Professor
12	Mrs.AMBIKA RANI SUBHASH	B.E,M.sc,	Assistant Professor
13	Mrs.Swetha MS	M. Tech, (Ph. D)	Assistant Professor
14	Mrs. VINUTHA K	M. Tech,(Ph. D)	Assistant Professor
15	Dr. Rudresh D Shirwalkr	M. Tech, Ph. D	Assistant Professor
16	Dr. Shridhar sanshi	M. Tech, Ph. D	Assistant Professor
17	Dr. Narasimhamurthy MS	M. Tech, Ph. D	Assistant Professor

TECHNICAL STAFF

Sl.No	Name	Qualification	Designation
1	Mr. P Ashok Kumar	DCSE	Assistant Instructor
2	Mr.Raju T	DCSE, (BE)	Assistant Instructor
3	Mrs.Arpitha H M	DECE, (BE)	Assistant Instructor
4	Mrs. Amudha	BE , M.SC(IT PhD)	Programmer

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BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT

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