



# THE EDIFICE

VOLUME 1 ISSUE 9 • JAN- JUNE 2022



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## THE EDIFICE NEWSLETTER

### Faculty Editors:

Dr. Pushpa S.K

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ISE Dept.  
Transform Here

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 9 (Jan – June 2022).

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** : IOT  
**Speaker** : Dr. Mohan BA, Assistant Professor,  
**Date** : 24.01.2022 to 30.01.2022  
**Venue** : GITAM UNIVERSITY



2. **Topic** : Recent Trends and Challenges in AI, IoT and Blockchain  
**Speaker** : Prof. Gireesh Babu C N  
**Date** : 09.02.2022 to 18.02.2022  
**Venue** : Easwari Engineering College, Ramapuram, Chennai



3. **Topic** : VGST Sponsored 5-Day FDP on “Machine Learning and Deep Learning”  
**Speaker** : Dr. Surekha K.B. Associate Professor  
**Date** : 14.03.2022 to 18.03.2022.

4. **Topic** : FDP-AICTE Training And Learning (ATAL) Academy Online Elementary FDP on "Smart cities for sustainable Development.

**Speaker** : Dr. Swetha M S, Assistant Professor  
**Date** : 07.03.2022 to 11.03.2022

5. **Topic** : GPU Technology Conference Organized by NVIDIA

**Speaker** : Dr Shoba.M, Associate Professor  
**Date** : 21.03.2022 to 24.03.2022

6. **Topic** : Artificial Intelligence in Healthcare at Sai Ram Engineering College, Chennai.

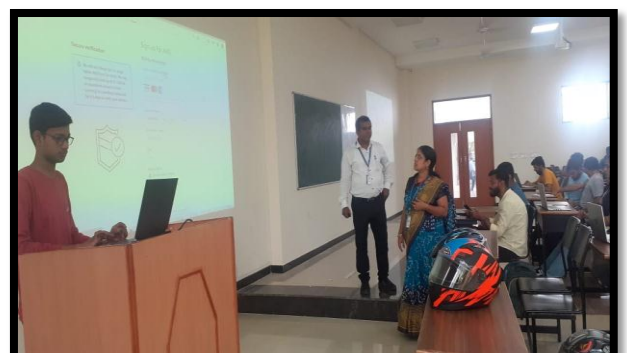
**Speaker** : Prof . Gireesh Babu, Assistant Professor  
**Date** : 21.02.2022 to 25.02. 2022.



- 7. Topic** : An overview of teaching techniques in Data Science and analytics.  
**Speaker** : Dr. S K PUSHPA, HoD  
**Date** : 25.04.2022 to 29.04.2022  
**Venue** : Visvesvaraya Technological University, Centre for Post Graduate Studies, Bengaluru Region, Muddenahalli, Chikkaballapura.
- 8. Topic** : An overview of teaching techniques in Data Science and analytics.  
**Speaker** : Prof .Gireesh Babu, Assistant Professor  
**Date** : 25.04.2022 to 29.04.2022
- 9. Topic** : Artificial Intelligence and Machine Learning  
**Speaker** : Prof. S. Mahalakshmi, Assistant Professor  
**Date** : 19.05.2022 to 14.05.2022  
**Venue** : E&ICT Academy IIT Guwahati
- 10. Topic** : AICTE sponsored STTP on “Data Science and Applications  
**Speaker** : Dr. Rudresh Shirwaikar, Assistant Professor  
**Date** : 08<sup>th</sup>- 13<sup>th</sup> Feb 2021  
**Venue** : School of Computer Science and Engineering, NIET Greater Noida
- 11. Topic** : Academic Industry Interaction, Avenues in Funded Project and Entrepreneurship  
**Speaker** : Prof. Shanthi D L, Assistant Professor  
**Date** : 08.01.2021 - 13.01.2021  
**Venue** : REVA University

## Workshop /Open course organized

- 1. Topic** : Hands on Cloud Computing with AWS  
**Speaker** : Dr. Swetha M S and Dr. Prakash G L  
**Date** : 26.05.2022 -27.05.2022  
**Venue** : Department ISE



## Invited talks Delivered by Faculty/ Session chair

- 1. Topic** : Data Science  
**Speaker** : Mr.GirishBabu CN, Assistant Professor  
**Venue** : RRIT Bengaluru.

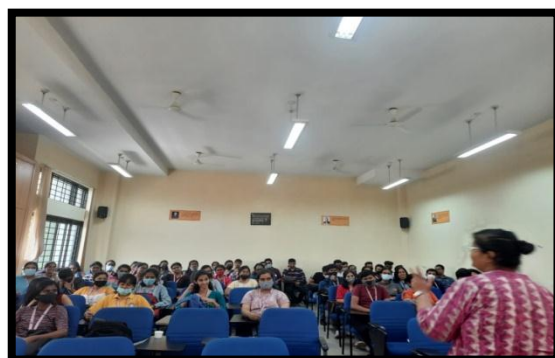
### Session chair:

**01** . Dr. Narasimha Murthy M S , Assistant Professor, Dept. of ISE was a Session Chair at 8th International Conference on Advanced Computing and Communication Systems (ICACCS-2022) held during 25.03.2022 and 26.03.2022 at Sri. Eshwar College of Engineering, Coimbatore, Tamil Nadu, India.

**02.** Dr. Shoba M, Associate Professor, was invited as Session Chair for 4th Virtual International Conference on “ Advances in Computing and Information Technology”, REVA University, Bengaluru on May 17<sup>th</sup> & 18<sup>th</sup> 2022.

### Expert Lectures organized by Faculty

**01.** Career orientation Program was scheduled on April 22 at 11am for 6th semester students by Mr. Prasad Kumar and Team T I M E Education Bangalore Pvt Ltd. They addressed students about the opportunities after their four year of engineering degree. Students gave positive response



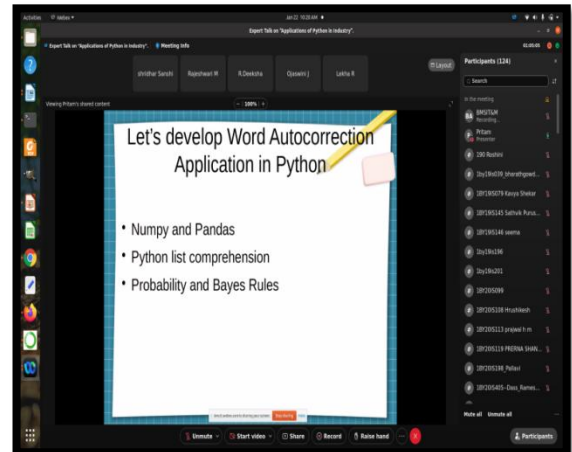
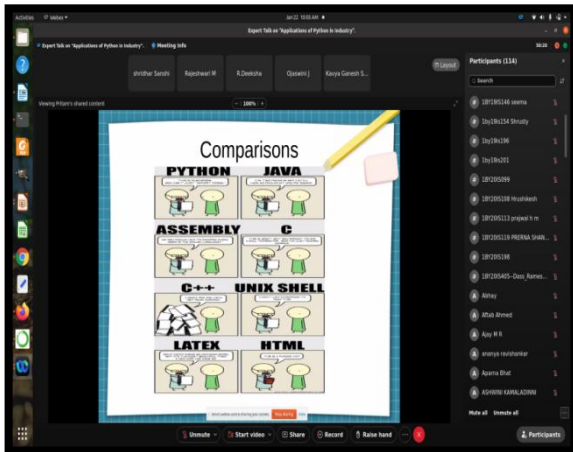
**02.** Talk is by Mrs. Arifa Khan, Founder and CEO of Himalaya Capital Exchange (HCX), a next generation stock exchange on the Blockchain. She is a blockchain researcher based in London and has been an advisor to the former chief minister of Andhra Pradesh. She is currently building Ethereum community in India and lobbying with the government on the behalf of the crypto community. A cryptocurrency is a digital currency designed to work as a medium of exchange through a computer network that is not reliant on any central authority, such as government and bank, to upload or maintain it. The increasing in popularity of crypto currencies has led to a significant raising the number of crypto currency exchanges in India. Cryptocurrency exchanges simply act as a platform for buying and selling digital currencies and exchanging them for fiat currencies such as the Indian rupee or the U.S. dollar (USD).



### Blockchain and Crypto on 01.07.2022 at ISE Seminar Hall

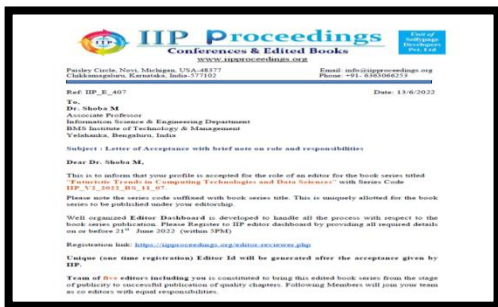
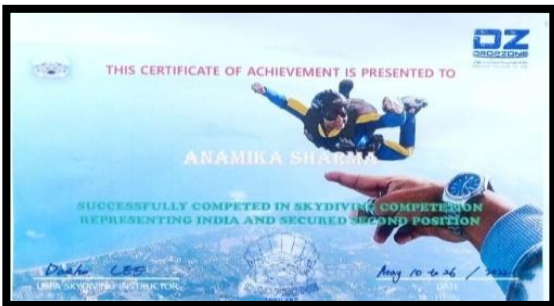
**03.** Python has wide applications in various domains like machine learning & artificial intelligence. With this regard an expert talk was organized by the department of Information Science and Technology on 22nd January 2022. The talk helped students to get insights of the cutting-edge of technology. Expert for the talk was Mr. Pritam Kulkarni, Principal Product Engineer at Randstad RiseSmart, Pune Maharashtra. His professional skills are in the area of NLP, Linux, Design Patterns, Scikit-Learn, and Python. The talk was predominantly arranged for our 5th Semester students. Total 120 students benefited from the talk. Mr. Pritam discussed following points with the students:

1. Solving complex problems using python programming language.
2. Importance of python in evolving technologies.
3. Autocorrect application was designed and developed as a part of the talk.




**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 of 11+ years in IT industry as software professional. His session on “Fitness mantra for good health” was very interesting and students learnt many things about everyday lifestyle by interacting with speaker during the session between 10.00AM

## Awards / Achievements/ Recognitions

Sl No	Staff Name	Award/Achievement/ Recognitions details					
01	<b>Dr. Shoba M</b>	<p>Dr. Shoba M, Associate Professor, Dept. of ISE, is selected as the editor for the book series titled “Futuristic Trends in Computing Technologies and Data Sciences” , published by IIP Proceedings (USA &amp; India).</p> <div style="text-align: center;">  </div>					
02	<b>Dr. Shoba M</b>	<p>Dr. Shoba M, Associate Professor, Dept. of ISE, was nominated as VTU Nominee to evaluate UG innovative projects at Bangalore Institute of Technology, Bengaluru on July 11th in the offline mode and July 13th in the online mode towards “VTU Financial Assistance for Final Year Projects - 2021”.</p> <table border="1" style="width: 100%; margin-top: 20px;"> <tr> <td style="width: 10%; text-align: center;">6</td> <td style="width: 40%;">Bangalore Institute of Technology</td> <td style="width: 20%;">Dr. SHOBA M</td> <td style="width: 15%;">9632596534</td> <td style="width: 15%;">dr.smc@bmsit.in</td> </tr> </table>	6	Bangalore Institute of Technology	Dr. SHOBA M	9632596534	dr.smc@bmsit.in
6	Bangalore Institute of Technology	Dr. SHOBA M	9632596534	dr.smc@bmsit.in			
03	<b>Ms. Anamika Sharma</b>	<p>Anamika sharma successfully completed in sky diving competition representing India and secured 2nd Place.</p> <div style="text-align: center;">  </div>					

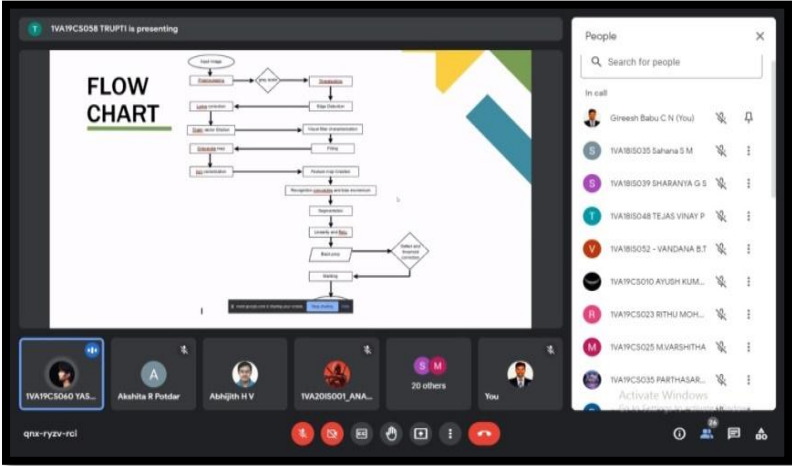
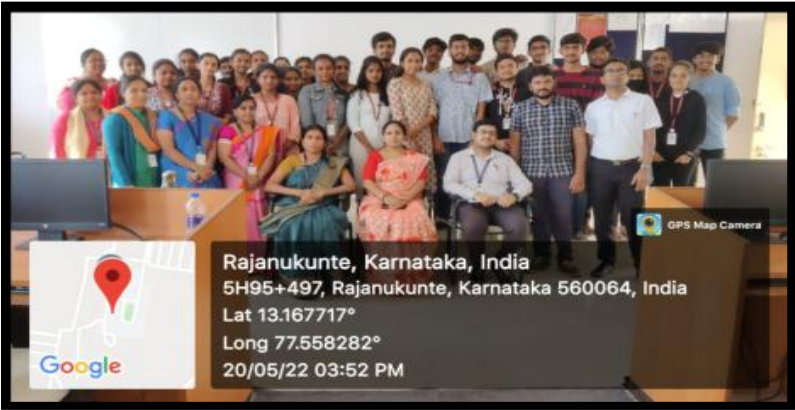


## Memorable Moments/ OBE Activities




Sl. No	Event details
01.	<p>Dept of ISE has organized a farewell for 2018-22 batch students on 30.06.2022 Coordinated by Prof. S. Mahalakshmi.</p> 

## Faculty Resource Person

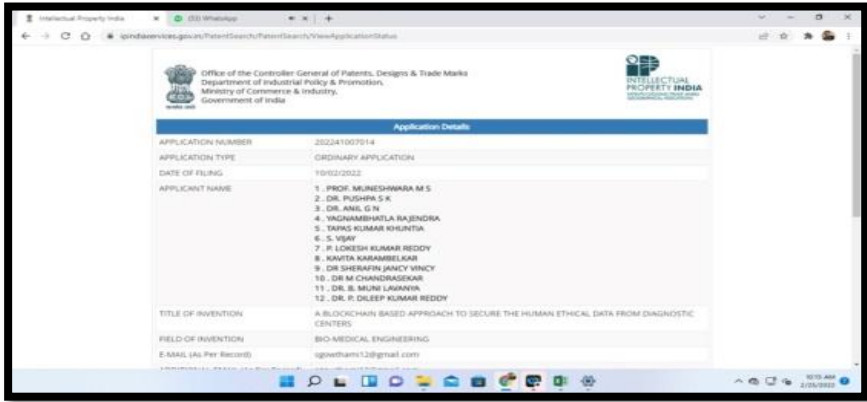
Sl. No	Event details
01	<p>Dr. Narasimha Murthy M S was a key note speaker on 29-01-2022 at International Conference on Advances in Computing Communication, Automation &amp; Bio medical Technology (ICACCABT 2022) held at Coimbatore Tamilnadu India</p> 

Sl. No	Event details
02	<p>Prof.Gireesh Babu C N, Assistant Professor, Dept. of ISE was Jury member for “Online internal Hackathon for Smart India Hackathon 2022” held on 22/03/2022 conducted by Sai Vidya Institute of Technology, Bengaluru.</p> 
03	<p>Dr. Shoba M, Associate Professor, was invited as Resource Person on “Software Testing, Hands-on ” at Sai Vidya Institute of Technology, Bengaluru on May 20th 2022</p> 

## Parent Teachers Meeting

01	<b>Parent Teacher Meeting</b>	<p>The parent teacher meeting for 1st Semester and Later Entry Students of ISE was held on 26/02/2022 from 10.00 AM to 12.50 PM, further one to one parent-proctor meeting also took place during PTM.</p> <p>There were about 70+ parents who came for PTM, Dr. Narasimha Murthy M S Convener of the PTM has welcomed the gathering with note and purpose of PTM. Further, Dr. Pushpa S K, HoD, Department of ISE, BMSIT&amp;M has presented the detailed profile of the department through PPT. The HoD has elaborated in detailed all the activities taking place in the department and college.</p> <div style="display: flex; justify-content: space-around;">    </div>
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## Patent Filed/Granted

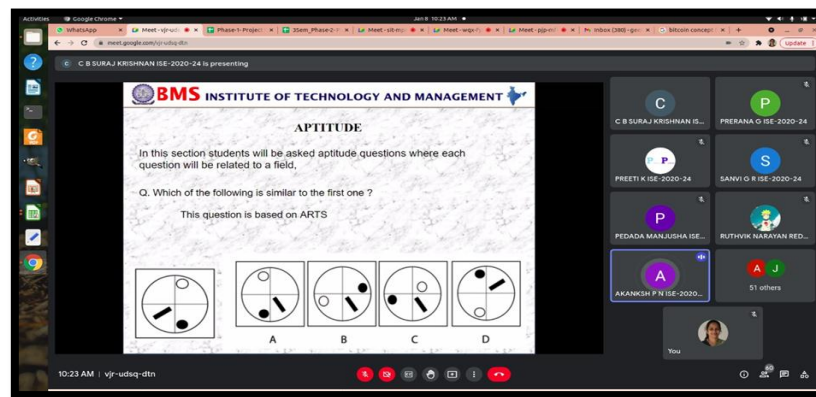
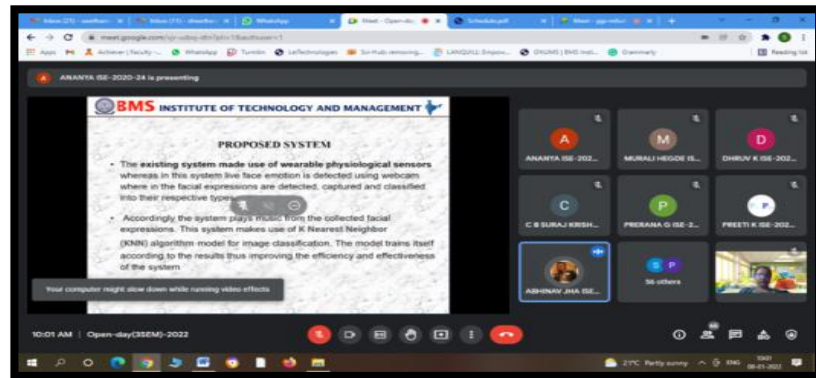
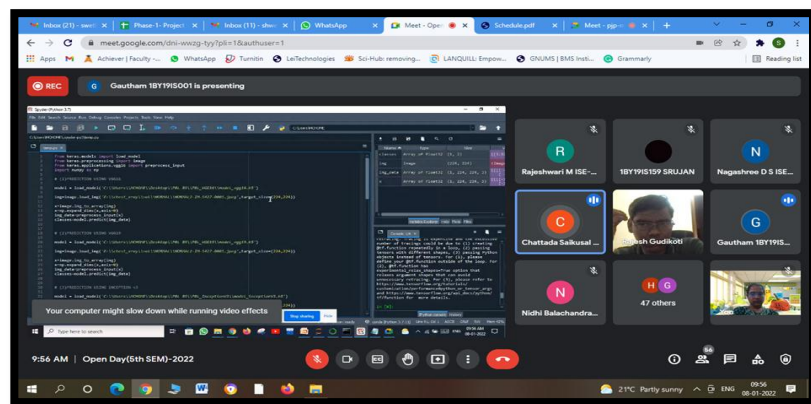
Sl. No	Event	Event details
01	<b>BoE</b>	Dr. P Sudarsanam has attended the BOE's meeting at VTU Examination Section, Belagavi on 01.07.22 to 02.07.22
02	<b>Patent File Granted</b>	<p>Dr. Swetha M S, Assistant Professor Dept Of ISE, Published a patent Title "Predicting the User Preferences on Ecommerce Sites using Machine Learning Approach" on 04-02-2022, Application Number-202241003961.</p> <p>Prof. Pushpa S K Dept. Of ISE, Published a patent Title "Block Chain Based Approach to Secure the Human Ethical Data from Diagnostics Centers" on 25-02-2022 Application Number -202241007014</p> <div style="text-align: center;">  </div>

# Project Based Learning

03

## Project Based Learning

Department of Information Science and Engineering, BMS INSTITUTE OF TECHNOLOGY AND MANAGEMENT, Avalahalli, Yelahanka, Bengaluru organized a PBL Project Review on 7th and 8th Jan 2022 to exhibit the project work carried out by the students of the III and V semester. The projects exhibited the student's ability to apply their learning to solve real-world problems. This semester around 109 PBL batches chose the simulation and Software projects (because of lockdown) which students have taken up few challenges and realized the same with the help of peer groups and faculty mentors. Intensive review of projects is carried out by the faculty members. These projects were evaluated by internal committee on various rubrics. Selected best 5 projects presented their work to jury from industry.





## Faculty Internship

Sl. No	Name	Designation	Company/Dept	Training duration	Date
01	Dr. Mohan B A	Asst. Professor	<b>Internet of Things</b> Pantech e -Learning E&ICT Academy IIT Guwahati through Online	7 Days	24-01-2022 to 30-01-2022
02	Prof. Gireesh Babu	Asst. Professor	IOT and Blockchain organized by Department of Information Technology, Easwari Engineering College, Ramapuram, Chennai	14 Days	09.02.2022 - 18.01.2022
03	Dr. Surekha KB	Assoc. Professor	Machine Learning and Deep Learning organized by Department of Information Science and Engineering, BMSCE, Bangalore	5 Days	14-03-22 to 18-03-22
04	Dr. Swetha MS	Asst. Professor	Smart cities for sustainable development AICTE Training And Learning (ATAL) Academy Online Elementary	5 days	07.3.2022 - 11.3.2022
05	Dr. Swetha MS	Asst. Professor	Cyber Security at Presidency University, Bengaluru.	5 days	14.3.2022 - 18.3.2022
06	Prof. Gireesh Babu	Asst. Professor	FDP on "Artificial Intelligence in Healthcare" at Sai Ram Engineering College, Chennai.	5 days	21.02.2022 to 25.02.2022
07	Dr. Shoba M	Assoc. Professor	FDP on "e-Governance" organized by Dept. of EEE, Bangalore Institute of Technology	5 days	18.04.22 to 22.04.22

08	Prof. Mahalakshmi. S	Asst. Professor	One-Week Online Faculty Development Programme on “Artificial Intelligence and Machine Learning organized by E&ICT Academy IIT Guwahati	5 days	09-05-22 to 14- 05-22
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## Publications

### Journal Publications:

SL No.	Staff Name	Title	Journal	National/ International	Vol No	Issue	Page
01.	Dr. Narasimhamurthy M S	A Comprehensive Review on deducting Sybil Attack in VANET	Scopus	International	12	3	4349-4356
02.	Prof. S Mahalakshmi	Automated identification of car parking slot and bill generation System IEEE indexed International Conference on Electronics and Renewable Systems (ICEARS 2022)		International			
03.	Prof S.Mahalakshmi	Heart Disease Prediction using Soft computing Methods” at the International Conference on Intelligent Systems and Networks (ICISN 2022)		International			
04.	Dr.Swetha M S	Developing Virtual Station to Receive Fir Through Digital Signature in “6th International Conference on Intelligent Computing and Control Systems [ICICCS 2022		International			

05	Dr. Karthik S A	Statistical Analysis of Fruit and Vegetables Quality Detection and Disease Classification for Smart Farming” ISSN: 1309-3452		International	13		1426-1438
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## 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	Dr. Pushpa S. K, Dr. Manjunath T N, Prof. 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, Prof. 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	

## Faculty List

Sl. No	Faculty Name	Qualification	Designation
01	Dr. S.K. Pushpa	M. E, Ph. D	Professor & Hod
02	Dr.Manjunath T N.	M. Tech, Ph.D	Professor
03	Dr. M V Sudhamani	M. Tech, Ph.D	Professor
04	Dr. Sheela Katavate	M. Tech, Ph.D	Associate Professor
05	Dr. Surekha K B	B.E, M.Tech, Ph.D	Associate Professor
06	Dr. Geeta amol patil	B.E, M.Tech, Ph.D	Associate Professor
07	Dr. N. Rakesh	B.E, M.Tech, MBA, MSc, Ph.D	Associate Professor
08	Dr .Veena N.	M. Tech,Ph. D	Associate Professor
09	Dr. Shobha M	B.E, M.Tech, Ph.D	Associate Professor
10	Dr. Prakash G L	B.E, M.E, Ph.D	Associate Professor
11	Dr. Drakshaveni G	BSc, MCA, M.Tech, Ph.D	Assistant Professor
12	Mrs. S. Mahalakshmi,	B.E, ME, (Ph.D)	Assistant Professor
13	Dr. Shanthi D L,	B.E, M.Tech, Ph.D	Assistant Professor
14	Mr. Chandrashekhara K T	B.E, M.Tech, (Ph.D)	Assistant Professor
15	Dr. P. Sudarsanam,	B.Sc, MCA, M.E, Ph.D	Assistant Professor
16	Mr. Gireesh Babu C N	B.E, M.Tech, (Ph.D)	Assistant Professor
17	Mrs. Ambika Rani Subhash	B.E, M.Tech, (Ph.D)	Assistant Professor
18	Dr. Swetha M S	B.E, M.Tech, Ph.D	Assistant Professor
19	Mrs. Vinutha K	B.E, M.Tech, (Ph.D)	Assistant Professor
20	Mr. Ravi Kumar B N	B.E, M.Tech, (Ph.D)	Assistant Professor
21	Dr. Narasimha Murthy M S	B.E, M.Tech, Ph.D	Assistant Professor
22	Dr. Mohan B A	B.E, M.Tech, Ph.D	Assistant Professor
23	Dr. Anil Kumar	B.E, M.Tech, Ph.D	Assistant Professor
24	Dr. Savitha S	B.E, 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.	Mr. Liju C	DCSE	Assistant Instructor
4.	Mr. Harish S	BE	Assistant Instructor
5.	Dr. Amudha	BE , M.SC (IT) PhD	Programmer
6.	Mr. Sridhar B N	B.com	SDA

# THE EDIFICE



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