



# THE EDIFICE

VOLUME 1 ISSUE 11 • JULY- DEC 2022



## THE EDIFICE NEWSLETTER

### Faculty Editors:

Dr. Pushpa S.K

Dr. Narasimhamthy MS

### Staff Editor:

Sridhar B N

**Student Editor:** Akhilesh B Kalnoor

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ISE Dept.  
Transform Here

DEPARTMENT OF INFORMATION  
SCIENCE AND ENGINEERING

# VISION

Emerge as center 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 11 (July – Dec 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

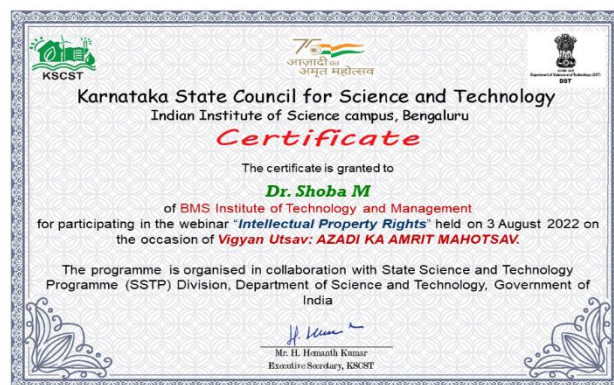
- 01. Topic** : Developing and Deploying spring boot micro services on Kubernetes cluster  
**Speaker** : Dr. Drakshaveni G  
**Date** : 22.08.2022 to 26.08.2022  
**Venue** : Ramaiah Institute of Technology, Bangalore
- 02. Topic** : One Week National Level Faculty Development Program on AWS (Amazon Web Services)” organized by AICTE  
**Speaker** : Mrs. S Mahalakshmi  
**Date** :  
**Venue** :
- 03. Topic** : One Week National Level Faculty Development Program on AWS (Amazon Web Services)” organized by AICTE  
**Speaker** : Mrs. Swetha M S  
**Date** :  
**Venue** :
- 04. Topic** : IoT & AI & ML Systems organized by AICTE, ATAL Academy, Arm Education and STMicroelectronics.  
**Speaker** : Dr. Shoba M, Associate Professor  
**Date** : 01-08-2022 to 05-08-2022  
**Venue** :



05. Topic : Advanced Tools and Technologies for best Research.  
 Speaker : Mr. Gireesh Babu C N Assistant prof  
 Date : 26-09-2022 to 30-09-2022  
 Venue : RVITM, Bangalore.
06. Topic : FDP on Amazon web services  
 Speaker : Dr. Prakash G L  
 Date : 22-07-2022 to 27-07-2022  
 Venue : AISSMS Institute of Information, Technology, Pune.
07. Topic : Data Science Contemporary tools and Techniques  
 Speaker : Dr. Basavaraj G N  
 Date : 22-07-2022 to 27-07-2022  
 Venue : AISSMS Institute of Information, Technology, Pune.

## Workshop /Open course organized

01. Topic : Intellectual Property Rights  
 Speaker : Dr. Shoba M  
 Date : 03-08-2022  
 Venue : IISC,Bangalore.



02. Topic : Future and Research Challenges of Internet of Things  
 Speaker : Dr. Surekha K B  
 Date : 27-09-2022  
 Venue : Visvesvaraya Technological University, Muddenahalli, Chikaballapur.



**03. Topic** : AWS Cloud Computing Tools and Services  
**Speaker** : Department of ISE  
**Date** : 20-09-2022  
**Venue** : BMSIT&M, Yelahanka, Bangalore.

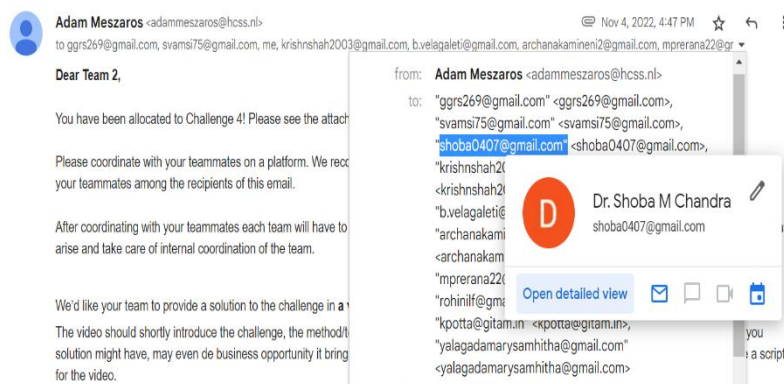
**04. Topic** : Data Science contemporary and Techniques  
**Speaker** : Dr. Basavaraj  
**Date** : 12-12-2022 to 16-12-2022  
**Venue** : NMIT, Bangalore

### Invited Talk delivered by Faculty/Session chair

1. Dr. Shoba M, Associate Professor was invited as examiner for final Ph.D Viva Voce in the online mode from Dr. Babasaheb Ambedkar Marathwada University, Aurangabad, Maharashtra on August 8th 2022.
2. Student Team mentored by Prof. [Gireesh Babu C N](#) won First place in Smart India Hackathon-2022 held at Excel Engineering College, Komarapalayam, Erode, Tamil Nadu.






3. Dr. Shoba M, Associate Professor, Dept. of ISE was selected for the IDCSS22 Challenge by The Hague Centre for Strategic Studies, Netherland and proposed a solution for the same in the form of 3 min video. (Certificate yet to receive)






## Expert Lectures organized by Faculty: NIL

## Awards / Achievements/ Recognitions




Sl. No	Staff Name	Award/Achievement/ Recognitions details
01.	<b>Dr. Shoba M</b> <b>Associate Professor</b>	<p>One of the authors for the book titled “Big Data Analytics Using Python” published with ISBN from Govt. of India and also available on the Flipkart &amp; publisher website.</p> <p><b>Publisher:</b> Scientific International Publishing House, Registered under the Ministry of SME, Govt. of India.</p> <p><a href="https://www.flipkart.com/big-data-analytics-using-python/p/itmff9979e568f11?pid=9789356251953">https://www.flipkart.com/big-data-analytics-using-python/p/itmff9979e568f11?pid=9789356251953</a></p>  <p>The image shows the book cover for 'Big Data Analytics Using Python' and a screenshot of its product page on Flipkart. The product page includes the title, unit price of ₹600.00, and a description: 'BIG DATA ANALYTICS USING PYTHON'. The authors listed are Dr. Aron Kumar Paul, Dr. Shantala Devi Paul, Dr. Nagastree M, and Dr. Shoba M. The ISBN is 978-93-5625-195-3.</p>




<p><b>02.</b></p>	<p><b>Mrs. Mahalakshmi S</b></p>	<p>Successfully completed 100% of the self-paced training course “MATLAB Onramp” on 10th Aug 2022.</p> 
<p><b>03.</b></p>	<p><b>Mrs. Mahalakshmi S</b></p>	<p>Successfully completed an online course on “Python Programming: A Concise Introduction” in Coursera on 2nd Aug 2022.</p> 
<p><b>04.</b></p>	<p><b>Dr. Shoba M Associate Professor</b></p>	<p>Completed an online course on “Introduction to Google Cloud Platform” from Skillup - Simplilearn on August 23rd 2022.</p> 





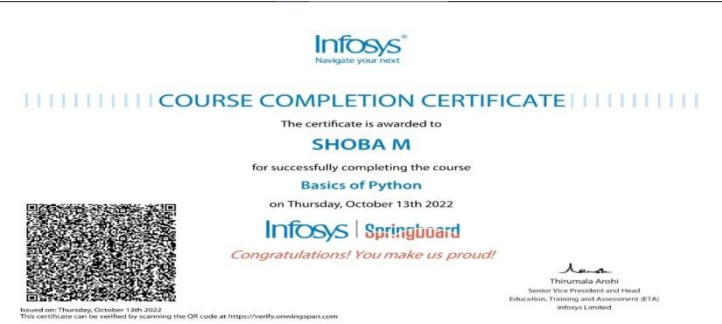

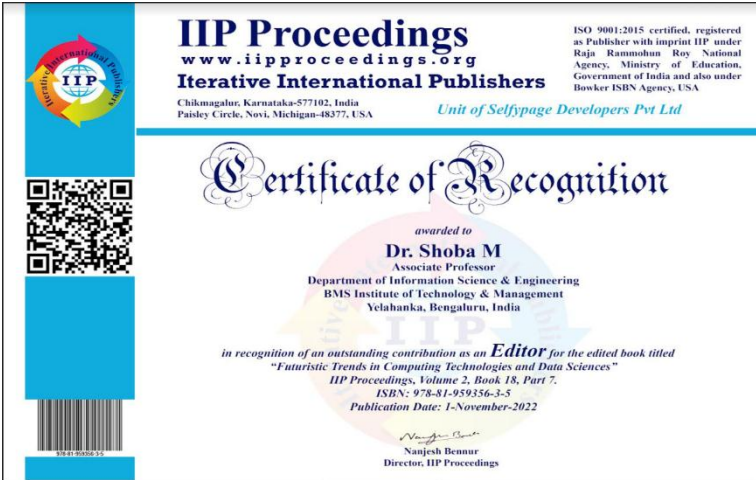
<p>05.</p>	<p><b>Dr. Shoba M</b> <b>Associate Professor</b></p>	<p>Successfully completed an online course on “Introduction to Kubernetes” from Skillup - Simplilearn on August 26th 2022.</p>  <p>The image shows a 'Declaration of Completion' certificate from SkillUP by Simplilearn. It certifies that Dr. Shoba M has successfully completed the online course 'Introduction to Kubernetes'. The certificate includes a large upward-pointing arrow and a signature of Krishna Kumar, CEO, dated 26 Aug 2022.</p>
<p>06.</p>	<p><b>Dr. Swetha M S,</b> <b>Assistant professor</b></p>	<p>Completed Doctor of Philosophy on 20th September 2022.</p>  <p>The image shows a 'Provisional Degree Certificate' from Visvesvaraya Technological University, Belagavi, Karnataka, India. It certifies that Dr. Swetha M S is qualified for the award of the degree of Doctor of Philosophy in the Faculty of Computer &amp; Information Sciences. The certificate mentions the thesis title 'A NOVEL APPROACH TO SECURE LOCATION BASED ROUTING FOR MANET USING SOFT COMPUTING METHODS' and is dated 20-09-2022. It is signed by the Registrar (Evaluation).</p>
<p>07.</p>	<p><b>Dr. Swetha M S,</b> <b>Assistant professor</b></p>	<p>Completed online course on “Advanced Web Developer Course- Beginner to Advanced (2022) of 30.5 Hours in Udemy on 23-Sept-2022.</p>  <p>The image shows a 'Certificate of Completion' from Udemy for the course 'Advanced Web Developer Course - Beginner to Advanced (2022)'. The certificate is issued to Swetha M S on September 23, 2022, for a course length of 30.5 total hours. The instructor is Fatah Gabriel.</p>

<p><b>08.</b></p>	<p><b>Dr. Swetha M S, Assistant professor</b></p>	<p>Completed online course Complete Full-stack Java Script Course (2022) of 24.5 Hours in Udemy on 20-sept-2022.</p> 
<p><b>09.</b></p>	<p><b>Mr. P. Ashok Kumar, Assistant Instructor</b></p>	<p>Completed Online course on “Command Line in Linux” in Coursera on 24-08-2022.</p> 

<p>10.</p>	<p><b>Mr. P. Ashok Kumar, Assistant Instructor</b></p>	<p>Completed Online course on “Build a mobile app with Google Sheets on Glide and no coding” in Coursera on 25-08-2022.</p>  <p>The certificate is from Coursera Project Network, dated Aug 25, 2022. It certifies that P Ashok Kumar has successfully completed the project "Build a mobile app with Google Sheets on Glide and no coding". The certificate includes a signature of Ananta Padilla, Digital Consultant - Director at Coursera, and a verification URL: <a href="https://coursera.org/verify/1DDJICW455MB2">https://coursera.org/verify/1DDJICW455MB2</a>.</p>
<p>11.</p>	<p><b>Mr. P. Ashok Kumar, Assistant Instructor</b></p>	<p>Completed Online course on “Introduction to Bash Shell Scripting” in Coursera on 29-08-2022.</p>  <p>The certificate is from Coursera Project Network, dated Aug 29, 2022. It certifies that P Ashok Kumar has successfully completed the project "Introduction to Bash Shell Scripting". The certificate includes a signature of Kaveri Singh Grewal, Executive Master Engineer at Franklin Learning Group, and a verification URL: <a href="https://coursera.org/verify/MUNR4H27C1EY">https://coursera.org/verify/MUNR4H27C1EY</a>.</p>
<p>12.</p>	<p><b>Dr. Basavaraj G N</b></p>	<p>Completed online course on “Business Analytics and text mining modeling using python” of 8 Weeks in NPTEL, IIT Roorkee on Sept-2022.</p>  <p>The certificate is an Elite NPTEL Online Certification, funded by the MoE, Govt. of India. It is awarded to Dr. Basavaraj G N for successfully completing the course "Business Analytics &amp; Text Mining Modeling Using Python". The certificate shows a consolidated score of 82% (Online Assignments: 22.42/25, Proctored Exam: 60/75). Total number of candidates certified in this course: 368. The course was held from Jul-Sep 2022 (8 week course) at Indian Institute of Technology Roorkee. The certificate is signed by Prof. Sanjaya Manhas (Coordinator, Continuing Education Centre, IIT Roorkee) and Prof. Pili Maheshwari (NPTEL Coordinator, IIT Roorkee). It includes the Swayam logo and a QR code for validation. Roll No: NPTEL22MG68523155305. No. of credits recommended: 2 or 3.</p>

13.	Dr. Prakash G L	<p>Completed Online course on “Data Analysis using Pyspark”.</p> 
14.	Dr. Prakash G L	<p>Completed Online course on “Face Detection with OpenCV in Python”.</p> 
15.	Dr. Swetha M S, Assistant professor	<p>FDP on “Mathematical Foundations for Data Science” organized from 18<sup>th</sup> October 2022 to 22<sup>nd</sup> October 2022 at BMSIT&amp;M.</p> 

<p>16.</p>	<p><b>Dr. Shanthi D L</b></p>	<p>Successfully completed an online course on “Computer Basics, Computer Fundamentals Hardware &amp; Networking”, under Udemy.</p> 
<p>17.</p>	<p><b>Dr. Shoba M Associate Professor</b></p>	<p>Successfully completed online course on “Basics of Python, Programming Fundamentals using Python - Part I and Programming Fundamentals using Python - Part II.</p> 

		 <p>The certificate is awarded to <b>SHOBA M</b> for successfully completing the course <b>Basics of Python</b> on Thursday, October 13th 2022 <b>Infosys   Springboard</b> <i>Congratulations! You make us proud!</i></p> <p>Infosys Navigate your next</p> <p>Thirumala Arohi Senior Vice President and Head Education, Training and Assessment (ETA) Infosys Limited</p> <p>Issued on: Thursday, October 13th 2022 This certificate can be verified by scanning the QR code at <a href="https://verify.omspringboard.com">https://verify.omspringboard.com</a></p>
18.	Dr. Anjan Krishnamurthy, Professor	<p>Received “Research Excellence Award” from InSc professional body.</p>  <p><b>Certificate of Recognition</b> <b>InSc Institute of Scholars</b> <i>Connecting Scholars Since 2014</i> ISO 9001:2015 certified &amp; Registered under Ministry of MSME &amp; Corporate Affairs, Govt. of India UAM: KR-09-0011606 CIN: U80904KA2021OPC149901</p> <p><b>Research Excellence Award 2022</b> awarded to <b>Dr. Anjan Krishnamurthy</b> Professor Dept. of Cyber Security B M S Institute of Technology and Management</p> <p>For the work with the following details Publication Type: Journal Paper Title: A Typical Analysis of Hybrid Covert Channel Using Constructive Entropy Analytics Journal Name: International Journal of Electrical and Computer Engineering Volume: 12 Issue No: 4 Month of Publication: August Year: 2022 Page No: 3820-3826 ISSN: 2088-8708</p> <p>Nanjesh Bennur Chairman, InSc</p>
19.	Dr. Shoba M, Associate Professor	<p>Editor for a book titled “Futuristic Trends in Computing Technologies and Data Sciences” in IIP Proceedings Volume 2 Book 18 Part 7 ISBN: 978-81-95936-3-5.</p>  <p><b>IIP Proceedings</b> <a href="http://www.iipproceedings.org">www.iipproceedings.org</a> <b>Iterative International Publishers</b> Chikmagalur, Karnataka-577102, India Paisley Circle, Novi, Michigan-48377, USA <i>Unit of Selfpage Developers Pvt Ltd</i></p> <p>ISO 9001:2015 certified, registered as Publisher with imprint IIP under Raja Ram Mohan Roy National Agency, Ministry of Education, Government of India and also under Bowker ISBN Agency, USA.</p> <p><b>Certificate of Recognition</b> awarded to <b>Dr. Shoba M</b> Associate Professor Department of Information Science &amp; Engineering BMS Institute of Technology &amp; Management Yelahanka, Bengaluru, India</p> <p>in recognition of an outstanding contribution as an <b>Editor</b> for the edited book titled “Futuristic Trends in Computing Technologies and Data Sciences” IIP Proceedings, Volume 2, Book 18, Part 7. ISBN: 978-81-95936-3-5 Publication Date: 1-November-2022</p> <p>Nanjesh Bennur Director, IIP Proceedings</p>

## Faculty Resource Person:

01. Dr. Surekha K.B. Associate Professor, Department of ISE was delivered Expert Talk “ Future and Research Challenges of Internet of Things “ at Basic FDP ATAL-Idea Lab, VTU, CPGSB, Muddenahalli on 27th September 2022.

VISVESVARAYA TECHNOLOGICAL UNIVERSITY  
ATAL IDEA LAB  
CPGSB, MUDDENAHALLI, CHIKBALLAPURA



CERTIFICATE OF APPRECIATION

proudly presented to

*Dr. Surekha KB*

Participated as Invited Speaker in the Basic FDP organized by Visvesvaraya Technological University, ATAL IDEA LAB, Chikballapur on 27th September 2022

and for giving much effort, new ideas, and knowledges.

DR ASHWIN.C.GOWDA  
ATAL IDEA LAB  
Coordinator

- 02 Dr. Swetha M S, Assistant professor, Dept of ISE, resource person for the FDP on “Mathematical Foundations for Data Science” organized from 18<sup>th</sup> October 2022 to 22<sup>nd</sup> October 2022 at BMSIT&M.



- 03 Dr. Shoba M, Associate Professor, Department of ISE has extended her support as Resource person for Seminar on “Machine Intelligence” for BCA students on 28/11/2022 at Nagarjuna Degree College Bangalore.

04	Dr P SUDARSANAM, Assistant professor, Department of Information and Science and Engineering was session chair for IEEE conference at REVA University bangalore on 16.12.2022.
05	Dr. Prakash GL, Associate Professor, ISE Department has extended their support as Resource person for one day workshop and Bigdata Analytics using Pyspark , from 16/12/2022 at at VKIT, Bangalore.

### Faculty Internship:

Sl. No.	Name	Designation	Company/Dept	Training duration	Date
01	Dr.P Sudarsanam		Nabeerly Technologies pvt LTD Bangalore	10 Days	16-09-22 to 29-09-22

### Publications:

SL No.	Staff Name	Title	Journal	National/International	Vol No	Issue	Page
01.	Dr. Basavaraj G.N	Reliability-driven time series data analysis in multiple-level deep Learning methods utilizing soft computing methods	Scopus				
02.	Vidya HA, Narasimha Murthy MS, Supritha N						



03.	KB Surekha	Machine Learning based framework to predict the Network Usage in Smart Parking Applications		IEEE			432-435
04	Geeta Patil	Machine Learning based framework to predict the Network Usage in Smart Parking Applications		IEEE			432-435
05	Anil kumar	Machine Learning based framework to predict the Network Usage in Smart Parking Applications		IEEE			432-435
06	Mohan B A	Machine Learning based framework to predict the Network Usage in Smart Parking Applications		IEEE			432-435
07	KB Surekha	Arbitrage: Stock Market Comparative Analysis		IEEE			486-490
08	Geeta Patil	Arbitrage: Stock Market Comparative Analysis		IEEE			486-490
09	Anil kumar	Arbitrage: Stock Market Comparative Analysis		IEEE			486-490
10	Mohan B A	Arbitrage: Stock Market Comparative Analysis		IEEE			486-490

## Conference Publications:

SL No.	Staff Name	Title	Conference	National/ International
01	Dr. Shridhar Sanshi	Reviewer for the conference Sixteenth International Conference on Information Processing		International

## 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. Sudhamani M V	M. Tech, Ph.D	Professor
4	Dr. Sheela Katavate	M. Tech, Ph.D	Associate Professor
5	Dr. Surekha K	M. Tech, Ph.D	Associate Professor
6	Dr. Geeta Amol Patil	M.E, Ph. D	Associate Professor
7	Dr. Veena N.	M. Tech, Ph. D	Associate Professor
8	Dr. Shobha M Chandra	M. Tech, Ph. D	Associate Professor
9	Mrs. S. Mahalakshmi	M.E., (Ph. D)	Assistant Professor
10	Mrs. Shanthi DL	M. Tech, (Ph.D)	Assistant Professor
11	Mr. Chandrasekhar K T	M. Tech, (Ph. D)	Assistant Professor
12	Mr. Girishbabu C N	M. Tech, (Ph. D)	Assistant Professor
13	Mrs. Bhavya G	M. Tech, (Ph. D)	Assistant Professor
14	Mrs. Ambika Rani Subhash	B.E, M.sc,	Assistant Professor
15	Mrs. Swetha M S	M. Tech, (Ph. D)	Assistant Professor

16	Mrs. Vinutha K	M. Tech, (Ph. D)	Assistant Professor
17	Dr. Rudresh D Shirwalkr	M. Tech, Ph. D	Assistant Professor
18	Dr. Shridhar Sanshi	M. Tech, Ph. D	Assistant Professor
19	Dr. Narasimha Murthy M S	M. Tech, Ph. D	Assistant Professor
20	Dr. Mohan B A	M. Tech, Ph. D	Assistant Professor
21	Dr. Santosh Patter	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. Amudha	BE, M.SC (IT Ph. D)	Programmer
4	Mr. Liju C	DCSE	Assistant Instructor
5	Mr. Harish S	DCSE	Assistant Instructor
6	Mr. Sridhar B N	B.com	SDA

# THE EDIFICE



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