NEWS LETTER
EVEN 2020

Geetha Shishu Shikshana Sangha®
GSSS INSTITUTE OF ENGINEERING & TECHNOLOGY FOR WOMEN
(Affiliated to VTU, Belagavi, Approved by AICTE, New Delhi & Govt. of Karnataka)
K R S Road, Metagalli, Mysuru – 570016
Accredited with Grade 'A' by NAAC

Department of Computer Science and Engineering
Accredited by NBA, New Delhi (Validity: 01.07.2017 - 30.06.2023)

ARChiS

ABOUT THE DEPARTMENT:

The Department of Computer Science & Engineering is a synergistic product of many proactive minds. A team of highly qualified and dedicated Teaching and Technical Staff unanimously harness the potential in all aspects to take the department to greater heights. All laboratories are well equipped with state-of-the-art technology facilities. B.E. in Computer Science and Engineering was started in 2003 with an intake of 60 and later increased to 120 in take in 2012.

M. Tech in CSE was started in the year 2013, with an intake of 18. The department is also a recognized Research Centre for Ph.D. in CSE since 2016. Currently ten research scholars are pursuing Ph.D. in the Research Centre of CSE Department in various domains like Image Processing, Distributed Computing, Wireless Communication Networks and Network Security, Big Data and Internet of Things.

The average teaching experience of Faculty members of CSE department is 09 Years. Three Professors with doctorate degree in CSE guide the faculty at the lower level to take the department to greater heights. 09 Faculty members are pursuing Ph.D. in CSE at VTU, Belagavi. B.E., M. Tech & Ph.D. Programmes are affiliated to Visvesvaraya Technological University, Belagavi, approved by AICTE, New Delhi and Govt. of Karnataka. The department is accredited by NBA, New Delhi for a period of three years from July 2017- June 2020.

The department has acquired Rs 30 Lakhs funds from Vision Group on Science and Technology (VGST), Government of Karnataka for establishment of "Innovative Smart Systems and IoT Laboratory" during the period 2016-2019 and a grant of Rs 5 Lakhs from VGST for the Project "Underwater Robotic Fish for Surveillance and Pollution Monitoring" under the Scheme RGS-F during the year 2018-2019.

Memorandum of Understanding (MoUs) have been formally signed between GSSS Institute of Engineering and Technology for Women, Mysuru with leading industries like IBM, Infosys, Wipro, EMC2, Tequed Labs, Nihon Communication Systems, DalvikApps, AllInnov and iQuest.

VISION:

Knowledge dissemination with development of future leaders in Information Technology having a research blend.

MISSION:

M1: To equip students with continuous learning process to acquire Hardware, Software and Computing knowledge to face new challenges.

M2: To inculcate the core Computer Science and Engineering components with discipline among the students by providing the state-of-the-art learner centric environment.

M3: To impart essential knowledge through quality and value based education to mould them as a complete Computer Science Engineer with ethical values, leadership roles by possessing good communication skills and ability to work effectively as a team member.

M4: To provide a platform to collaborate with successful people from entrepreneurial and research domains to learn and accomplish.
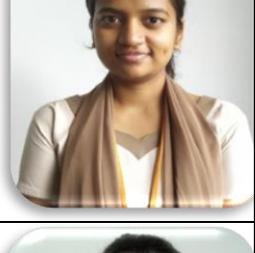
CONTACT US

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Ph:0821-2457305
E-mail : hodcse@gsss.edu.in
Ph: 9019377655

PLACEMENTS 2019-2020

Sl. No.	Student Name	USN	Name of the Company Placed	CTC	Photo
1.	B BINDU MADHAVI	4GW16CS 014	Juniper Networks	11.06 LPA	
2.	KAVYA M	4GW16CS 044	Juniper Networks	11.06 LPA	
3.	KAVYASHREE M P	4GW16CS 047	Juniper Networks	11.06 LPA	
4.	BHAVANA S	4GW16CS 016	HPE- R&D	9.8 LPA	
5.	AMULYA B ALUR	4GW16CS 007	PHILIPS	8.5 LPA	

6.	RACHANA J	4GW16CS 084	Accenture	6.5 LPA	
7.	POOJA H	4GW16CS 074	Global Logic	4.8 LPA	
8.	A VISHMA SOMAIAH	4GW16CS 001	Accenture	4.5 LPA	
9.	AISHWARYA C J	4GW16CS 002	Accenture	4.5 LPA	
10.	AISHWARYA M	4GW16CS 004	Accenture	4.5 LPA	
11.	AKANSHA SRIVASTAVA	4GW16CS 005	Accenture	4.5 LPA	
12.	AMULYA B ALUR	4GW16CS 007	Accenture	4.5 LPA	
13.	ANGANA DAWN	4GW16CS 008	Accenture	4.5 LPA	

14.	B BINDU MADHAVI	4GW16CS 014	Accenture	4.5 LPA	
15.	BHAVANA S	4GW16CS 015	Accenture	4.5 LPA	
16.	BHAVANA S	4GW16CS 016	Accenture	4.5 LPA	
17.	BINDUSHREE H S	4GW16CS 018	Accenture	4.5 LPA	
18.	CHAITHRA M	4GW16CS 020	Accenture	4.5 LPA	
19.	CHAITHRA M J	4GW16CS 021	Accenture	4.5 LPA	
20.	DAMINI NIRANJAN	4GW16CS 029	Accenture	4.5 LPA	

21.	DRUTHI RAGHURAM SHANBHOG	4GW16CS 033	Accenture	4.5 LPA	
22.	GAGANASHREE KN	4GW16CS 034	Accenture	4.5 LPA	
23.	HARSHITHA G RAJ	4GW16CS 040	Accenture	4.5 LPA	
24.	INCHARA.T.H	4GW16CS 041	Accenture	4.5 LPA	
25.	KAVYA M	4GW16CS 044	Accenture	4.5 LPA	
26.	KAVYASHREE M P	4GW16CS 047	Accenture	4.5 LPA	
27.	KEERTHANA B	4GW16CS 049	Accenture	4.5 LPA	

28.	LASYA PRIYA K.S	4GW16CS 053	Accenture	4.5 LPA	
29.	NIREEKSHA BILIMALE	4GW16CS 068	Accenture	4.5 LPA	
30.	PRERANA K URS	4GW16CS 081	Accenture	4.5 LPA	
31.	R SHIVALI	4GW16CS 083	Accenture	4.5 LPA	
32.	RASHMI B. R	4GW16CS 090	Accenture	4.5 LPA	
33.	SINCHANA K S	4GW16CS 102	Accenture	4.5 LPA	
34.	SINDHU T R	4GW16CS 104	Accenture	4.5 LPA	

35.	SURABHI G	4GW16CS 110	Accenture	4.5 LPA	
36.	JAYASHREE R	4GW16CS 042	IBM	4.5 LPA	
37.	NAYALA HAFSA	4GW16CS 062	IBM	4.5 LPA	
38.	NIKHITHA G N	4GW16CS 067	IBM	4.5 LPA	
39.	VAISHNAVI.V	4GW16CS 115	IBM	4.5 LPA	
40.	YASHASWINI.S	4GW16CS 120	IBM	4.5 LPA	
41.	NISARGA D B	4GW17CS 408	IBM	4.5 LPA	

42.	ANGANA DAWN	4GW16CS 008	L&T Technology Services	4 LPA	
43.	BHAVANA S	4GW16CS 016	L&T Technology Services	4 LPA	
44.	NISARGA H S	4GW16CS 069	L&T Technology Services	4 LPA	
45.	NITHYA P	4GW16CS 072	L&T Technology Services	4 LPA	
46.	REKHA SEERVI	4GW16CS0 91	L&T Technology Services	4 LPA	
47.	SHARANMEGHA K V	4GW16CS 098	L&T Technology Services	4 LPA	
48.	VIDYASHREE C V	4GW16CS 117	L&T Technology Services	4 LPA	

49.	KOMAL KUMARI	4GW16CS 050	Aris Global	4LPA	
50.	NAVYA N C	4GW16CS0 60	Aris Global	4LPA	
51.	NAYALA HAFSA	4GW16CS 062	Aris Global	4LPA	
52.	PRAGATHI R GOWDA	4GW16CS 077	Aris Global	4LPA	
53.	SAHANA K H	4GW16CS 095	Aris Global	4LPA	
54.	ARPITHA MP	4GW16CS 011	Cognizant	4LPA	
55.	ANUSHA R	4GW16CS 121	Capgemini	3.8 LPA	

56.	RANJITHA M	4GW16CS 089	Capgemini	3.8 LPA	
57.	SINDHU D	4GW16CS 103	Capgemini	3.8 LPA	
58.	A VISHMA SOMAIAH	4GW16CS 001	E & Y	3.61 LPA	
59.	AKANSHA SRIVASTAVA	4GW16CS 005	E & Y	3.61 LPA	
60.	KEERTHANA B	4GW16CS 049	E & Y	3.61 LPA	
61.	SHRIJA H S	4GW16CS 101	E & Y	3.61 LPA	
62.	SOUJANYA	4GW16CS 105	E & Y	3.61 LPA	

63.	ASHMITHA H A	4GW16CS 013	Trainz	3.6 LPA	
64.	NAYANA S	4GW16CS 063	Trainz	3.6 LPA	
65.	POORNIMA M	4GW16CS 075	Trainz	3.6 LPA	
66.	PRAKRUTHI S	4GW16CS0 78	Trainz	3.6 LPA	
67.	RACHANA K PRASAD	4GW16CS 085	Trainz	3.6 LPA	
68.	ANUSHA T	4GW16CS 010	Infosys	3.6 LPA	
69.	ASHMITHA H A	4GW16CS 013	Infosys	3.6 LPA	
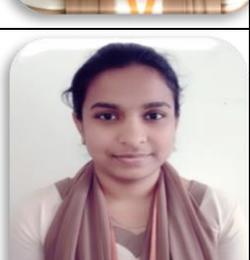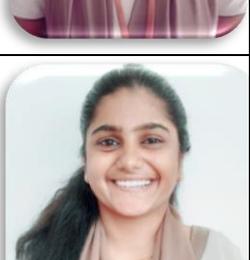
70.	PRARTHAN K M	4GW16CS 079	Infosys	3.6 LPA	
71.	AISHWARYA C J	4GW16CS 002	TCS	3.5 LPA	
72.	AMULYA B ALUR	4GW16CS 007	TCS	3.5 LPA	
73.	B BINDU MADHAVI	4GW16CS 014	TCS	3.5 LPA	
74.	BHAVANA S	4GW16CS 015	TCS	3.5 LPA	
75.	CHAITHRA M	4GW16CS 020	TCS	3.5 LPA	
76.	DAMINI NIRANJAN	4GW16CS 029	TCS	3.5 LPA	

77.	HARSHITHA G RAJ	4GW16CS 040	TCS	3.5 LPA	
78.	KAVYA M	4GW16CS 044	TCS	3.5 LPA	
79.	KAVYASHREE M P	4GW16CS 047	TCS	3.5 LPA	
80.	M S CHINMAYEE ARADHYA	4GW16CS 056	TCS	3.5 LPA	
81.	PRERANA K URS	4GW16CS 081	TCS	3.5 LPA	
82.	SURABHI G	4GW16CS 110	TCS	3.5 LPA	
83.	CHANDRAKALA	4GW16CS 027	ALTRAN	3.5 LPA	

84.	KUMARI BINDHU.N	4GW16CS 052	ALTRAN	3.5 LPA	
85.	PAVANA T L	4GW16CS 073	ALTRAN	3.5 LPA	
86.	M S CHINMAYEE ARADHYA	4GW16CS 056	Wipro	3.5 LPA	
87.	SAFA ANAM	4GW16CS 094	Techjini	3.25 LPA	
88.	DAMINI NIRANJAN	4GW16CS 029	SAP Labs	3 LPA	
89.	KEERTHANA B	4GW16CS 049	SAP Labs	3 LPA	
90.	SOUJANYA	4GW16CS 105	SAP Labs	3 LPA	

91.	CHAITHRA S N	4GW16CS 022	Heraizen Technologies	3 LPA	
92.	SURABHI V	4GW16CS 111	Heraizen Technologies	3 LPA	
93.	ANUSHA T	4GW16CS 010	[24]7.ai	2.7 LPA	
94.	NEETHI K T	4GW16CS 065	[24]7.ai	2.7 LPA	
95.	PRARTHAN K M	4GW16CS 079	[24]7.ai	2.7 LPA	
96.	RAKSENI THANGAM ATS	4GW16CS 086	[24]7.ai	2.7 LPA	
97.	SWETHA S	4GW16CS 113	[24]7.ai	2.7 LPA	

98.	ANAGHA G RAO	4GW15CS 005	[24]7.ai	2.7 LPA	
99.	RAJESHWARI.A	4GW15CS 082	[24]7.ai	2.7 LPA	
100.	MODITHA N	4GW15CS 127	[24]7.ai	2.7 LPA	
101.	CHANDANA V M	4GW16CS 026	AMAZON - CMT	2.3 LPA	
102.	DIVYA S	4GW16CS0 32	AMAZON - CMT	2.3 LPA	
103.	JENNIFER A	4GW16CS 043	DeltaX	3.5 LPA	
104.	RAJESHWARI A	4GW15CS 082	Destination Technologies	Training & Hire Model	
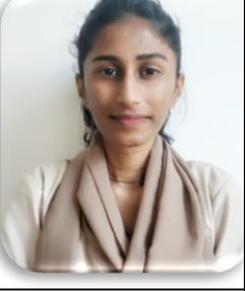
105.	VINUTHA N	4GW16CS 118	6D Technology	3.5 LPA	
106.	SRUSHTI N	4GW16CS 107	Extramarks	3 to 7 LPA	
107.	DIVYA S	4GW16CS 032	Extramarks	3 to 7 LPA	
108.	GRANTHA BOJAPPA J	4GW16CS 036	Extramarks	3 to 7 LPA	
109.	CHANDANA C	4GW16CS 023	DXC Technology	3.6 LPA	
110.	NISARGAPRIYA J	4GW16CS 071	DXC Technology	3.6 LPA	
111.	MEGHANA ARUN	4GW16CS 059	DXC Technology	3.6 LPA	

112.	NEETHI K T	4GW16CS 065	DXC Technology	3.6 LPA	
113.	DIVYA S	4GW16CS 032	DXC Technology	3.6 LPA	
114.	VISMAYA M	4GW16CS 119	Pentagon Space	T & H	
115.	LAVANYA G	4GW16CS 054	Qspiders	T&H	
116.	SUSHMA R	4GW16CS 112	Qspiders	T&H	
117.	LAVANYA G	4GW16CS 054	XL Dynamics	3.5 LPA	
118.	MANASWINI BC	4GW16CS 058	XL Dynamics	3.5 LPA	
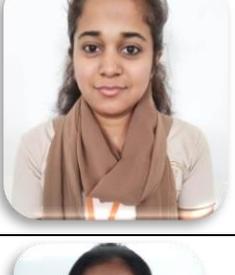
119.	**NAVYASRI S**	**4GW16CS 061**	**XL Dynamics**	**3.5 LPA**	
120.	**POOJA H**	**4GW16CS 074**	**XL Dynamics**	**3.5 LPA**	
121.	**RAKSENI THANGAM ATS**	**4GW16CS 086**	**XL Dynamics**	**3 LPA**	

Internship offers for M.Tech Students:

Sl. No	USN	Student Name	Company
01	4GW18SCS01	DIVYASHREE M	INTRELLA TECHNOLOGIES, Mysuru
02	4GW18SCS02	RAKSHITHA B H	INTRELLA Technologies, Mysuru

DEPARTMENTAL ACHEIVERS- BE (Odd Semester -2019)

Semester VII

FIRST TOPPER	SECOND TOPPER	THIRD TOPPER
RANJITHA M 4GW16CS089 89.25%	**SRUSHTI N 4GW16CS107** 85.13	**DIVYA S 4GW16CS032** 84.5
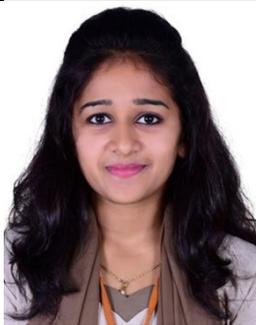
Semester V

FIRST TOPPER	SECOND TOPPER	SECOND TOPPER
4GW17CS078 SHAMBAVI D 86.63%	SHREYA P A 4GW17CS084 85.13%	NISHA S 4GW17CS054 85%

Semester III

FIRST TOPPER	SECOND TOPPER	SECOND TOPPER
SPOORTI KOTRASHETTI 4GW18CS106 87.78%	RAJANIPRABHA N A 4GW18CS078 87.56%	DIVYA A 4GW18CS023 86.67%

DEPARTMENTAL ACHEIVERS- M. Tech (Odd Semester -2019)

Semester III

FIRST TOPPER	SECOND TOPPER
Divyashree B N 4GW18SCS01	Rakshitha H 4GW18SCS02

DEPARTMENTAL ACHIEVEMENTS

Letter of Engagement (LOE) with Wipro Bangalore:

Wipro supports Projects and Internships for the institution along with Technical Support like Seminars, Workshops and Conference.

EMC Academic Alliance program:

EMC provides regular industry update, presentation and online video from industries highly experienced experts by sharing their experience on different IT platforms, EMC academic alliance weekly newsletter and WEBINAR Series.

Infosys Campus Connect :

MOU of Campus connect program between Infosys Ltd and GSSSIETW was renewed on 27th April 2015 for a period of two years. Faculties have been trained in the Deep Dive Faculty Enablement Foundation Program 4.0.

IBM-GSSSIETW:

The Center has trained staff and students of the department in IBM tools like DB2, RAD, RFT, LOTUS, TIVOLI, RCT and Bluemix. Students are certified in the above tools.

Dalvik Apps, Mumbai:

An MoU was established in April 2017 between Dalvik Apps and GSSSIETW for organizing specialized workshop / Training in Mobile Application Development.

Allinnov Research & Development Pvt. Ltd., Mysuru:

An MoU was established with Allinnov Research & Development Pvt. Ltd., Mysuru on 14th March 2018 to collaborate and develop innovated patented products of industry with the help of Industry's representatives and research team along with students and faculties of institution.

Tequed Labs, Bengaluru:

An MoU was established with Tequed Labs, Bengaluru on 10th August 2019 to create a Centre of Excellence in IoT, to host Student Competitions and Hackathons on IoT and to train GSSSIETW students for national, international level competitions and Hackathons.

Social Outreach Programme:

Every year since 2010, in collaboration with Govt. of Karnataka, the department conducts "Students Internet World" ("Vidhyarthigala Antharjaala Prapancha") , a programme to create Internet Awareness among the rural and Government school children, in and around Mysore.

<u>VTU RECOGNIZED RESEARCH CENTRE</u>

<u>Details of Research Scholars 2019-2020</u>

VTU, Belagavi granted approval to the Research Centre of CSE Department during the academic 2016-2017. Presently three Research Supervisors, recognized by VTU are guiding 10 research scholars in Part Time in the Research Centre. The details of Research Scholars pursuing Research in the CSE Department are:

Sl. No.	Name of the Research Guide	Name of the Research Students	USN	Name of the Research Topic	Status	Year of Registration
1.		Mrs. Tejaswini R Murgod	4GW17 PES04	An approach for Cross Layer Design and Route Optimization Techniques in Under Water Optical Wireless Communication Networks	Open Seminar 1 completed	2016
2.		Mrs. Manjula K	4GW17 PES05	Certain investigations to handle dynamic transformations in nodes for load balancing using game theory approach	Open Seminar 1 completed	2016
3.	**Dr. S Meenakshi Sundaram** Professor and Head, Dept. of CSE	Mrs. Chandrakala	4GW17 PES06	A framework for enhancement of security measures & optimization of OLSR Protocol in Mobile Adhoc Networks	Partially Completed Course Work	2016
4.		Mr. Rajashekar M B	4GW17 PEA01	CP-ABE Based Privacy Preserving Location Proof for Mobile Users	Comprehensive Viva completed	2016
5.		Mr. Manjunatha Swamy C	4GW18 PCS02	Big Data Analytic approach to Web information extraction using Bio inspired Algorithms	Course Work Completed	2017
6.		Mrs. Shilpa S G	4GW18 PCS01	Certain investigations to handle energy holes in WSN using distributed clustering approach	Partially Completed Course Work	2017

7.	**Dr. P Raviraj** Professor , Dept. of CSE	Mr.Vishwesh J	4GW19 PCS01	A Deep Learning Based Classification on Adaptive Filtered EEG Signal Data Using IOT Server	Partially Completed Course Work	2018-19
8.		Mrs. Impana Appaji	4GW19 PCS02	Data Analytics and Computational Intelligence for Smart Traffic Management System using VANET framework	Partially Completed Course Work	2018-19
9.	**Dr. Roopashree H R** Assoc.Professor, Dept. of CSE	Mr. Mahendra G	4GW18 PCS03	Data Mining Framework for Futuristic Transportation System Using Big Data	Course Work Completed	2018-19
10.		Mr. Venkatesh Prasad S		Secure trust based Data Aggregation using game theory Techniques for improving network life time in WSN	Partially Completed Course Work	2016-17

Innovative Smart System and IoT Laboratory

RFID Based Lab Attendance Log System

Other Real-time Projects:

A motivational Talk by in house Project Students

VTU FOSS Competition Award
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
"Jnana Sangama", Belagavi -590018
Certificate

SJB Institute of Technology
Department of Computer Science & Engineering
Best Paper Award @ SJBIT

Talk on Ethical Hacking

Real Time IoT Projects

Real Time IoT Projects

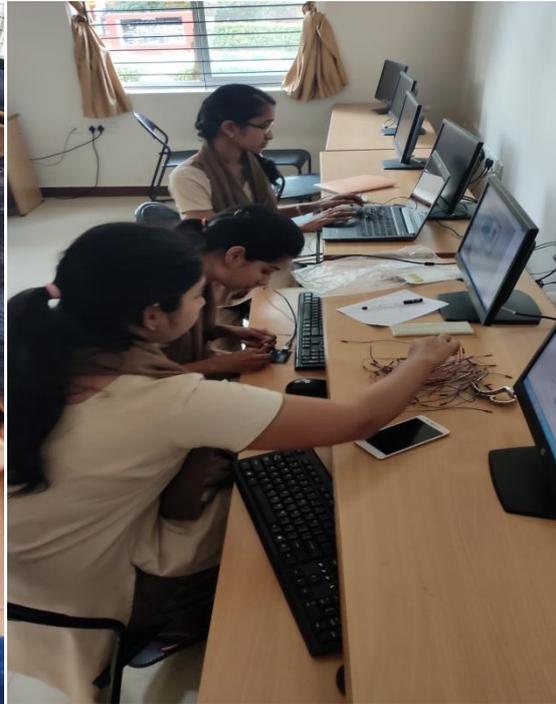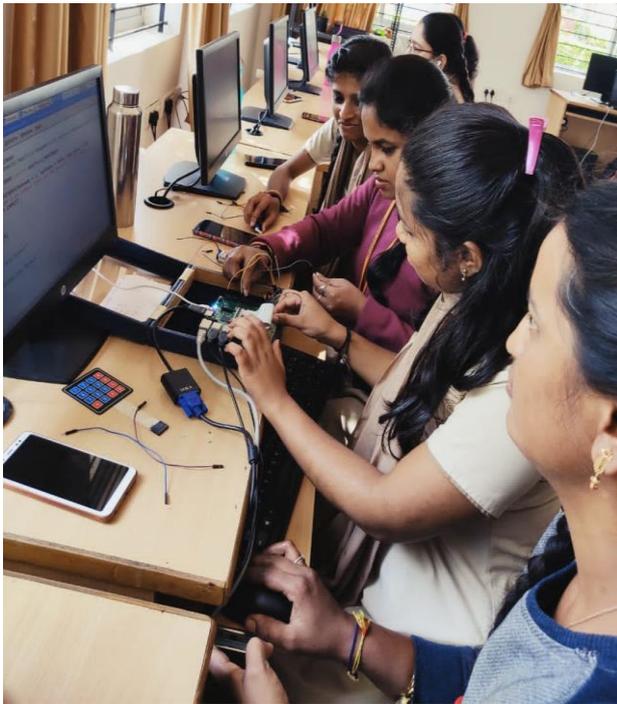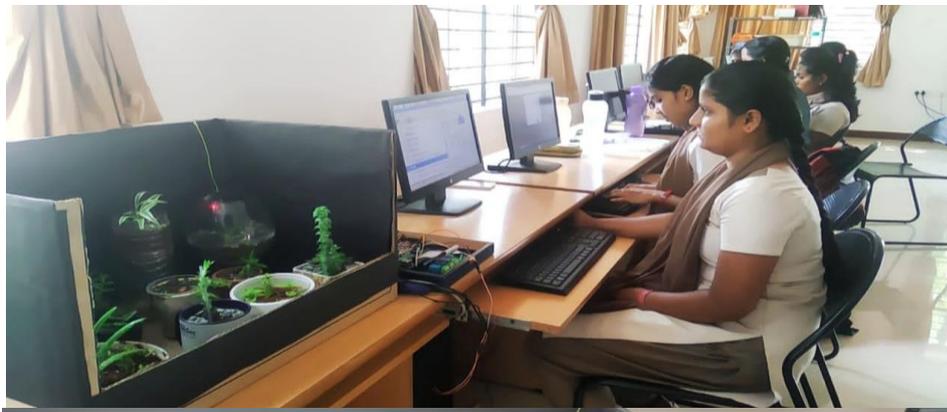Real Time IoT Projects

Hands on Session

Real Time IoT Projects

Students Project - 2020:

Sl. No.	Team Members	Branch	Project Titles	Major Components Using	Project Application
1	Damini Niranjan, Kavya M, Neethi K T, Prarthan K M	CSE	Nadi Nidan using IoT and Machine Learning	Raspberry Pi module Arduino Pulse rate sensor Piezoelectric	Disease diagnosis using concepts of Tridosha and Panchamahabhutas based on Ayurveda

				sensor	
2	Nisarga H S, Nithya P, Rekha Seervi	CSE	Iot based smart system to monitor the psychological stress and indoor environmental parameters using succulent plants	Raspberry Pi,MQ135	Analyzing and monitoring environmental factors affecting employees, students working in In-door Environments
3	Aishwarya C J, Bhavana S, Anusha R, Chaitra M,	CSE	Design and Development of a Sensor based Jacket for Women's Safety using IoT	Capacitance Switch Sensor Force Sensor ESP8266 Raspberry pi camera module DC motor	For Women Safety and Security
4	A Vishma Somaiah, Grantha Bojappa J, Kavyashree M P, Keerthana B	CSE	Automatic Fish Feeding and Water Quality Management System using IoT	Raspberry pi Temperature, Humidity, pH sensors	Specifically useful in fish farms and aquarium to monitor water quality and feeding system.
5	Rachana J, Sharanmegh, Rachana K, Vismaya M	CSE	An IoT Based Smart Indoor Vertical Farming	raspberry pi soil moisture sensor light sensor ultra sonic sensor accessible wifi module	Urban Indoor Cultivation , Indoor Botanical Garden
6	Dheeksha Raj, Rashmi M, Tejashwini MS, Lakshmi H R	CSE	Digital payment based on vending machine for dispending stationary items	Raspberry Pi, stepper motor	Instead of going for stationary we can buy an item in department
7	Pavana T L, Shrija H S, Sinchana K S, Sindhu D	CSE	Design and development of Voice based assistant system for institute	Raspberry Pi, Speakers, Microphone	Based on the data and training, the voice assistant can be Implemented in any institution, company, hospitals, tourist place.
8	Surabhi, Safa Anam, Soujanya,	CSE	Design and development of Smart Library System using Mobile Application	Android Studio	Decentralized Mobile app based Library Management System
9	Rakshitha	M.Tech in CSE	Smart home automation using ZigBee Motes	ZigBee, Arduino and Sensors	Research Application
10	Divya	M.Tech in CSE	Object Recognition using Tensor Flow	Python, Tensor Flow	Research Application

Students Working on Projects

Projects -2019					
Sl. No.	USN	Project Guide	Project Title	Components Using in IoT Lab	Achievements

01	4GW15CS015 4GW15CS018 4GW15CS059 4GW15CS064	Dr. S Meenakshi Sundaram	Design and Development of Intelligent Phishing Detection and Prevention System	Computers	VTU FOSS Competition Awardees One Conference Publication
02	4GW15CS017 4GW15CS047 4GW15CS053 4GW15CS063	Dr. P. Raviraj	An IoT Based Secure Smart Office	Raspberry pi, PIR sensor, camera module, servo motor.	Selected for BITES - Xcelerator Project Award One Conference Publication
03	4GW15CS007 4GW15CS029 4GW15CS038 4GW15CS046	Gururaj K S	Cluster computing using raspberry pi	Raspberry pi	One Conference Publication
04	4GW15CS011 4GW15CS021 4GW15CS045	Dr. Manjuprasad B	Cloud based IoT-system to analyze and monitor vehicular emissions	ETS model with Raspberry Pi,MQ7 sensor,MQ135 sensor, connecting devices, Arduino	Finalist in Xcelerator Project Award Received Best Paper Award at 14th National Conferences at SJBIT, Bangalore One UGC Journal Publication
05	4GW15CS009 4GW15CS013 4GW15CS036 4GW15CS055	Ravi Kumar V G	Smart agriculture system to detect flames using IoT and DIP	Flame sensor, smoke sensor, ETS Kit, connecting devices, web cam	One Conference Publication

M.Tech in CSE

|					
06	4GW17SCS02	Khateeja A	"Predicting the Energy Star Score Using Machine Learning Technique"		
07	4GW18SCS01	Dr. Manjuprasad B	Agricultural Application		ETS Sense Node and Sensors
08	4GW18SCS02		Forest Fire Monitoring		LoRa and Sensors

Utilization of the "Innovative Smart System and IoT Laboratory" -2019

Sl. No	Department	Number of Students	Purpose
1	CSE	35	05 In-house Projects - IoT Hackathon - MSME Innovative Idea Presentation Competition - Innovative Curtain Raiser for Geethayaana 2019 - Smart Zone Real-time Application
2	ECE	08	Industry Project Assistance
3	EIE	04	Automatic Juice Vending Machine during College Technical Fest
4	TCE	02	GBOT – The RoBo Procession during College Technical Fest
5	MBA	02	IoT based Business Idea Presentation
6	M.Tech in CSE	03	2 Mini Projects 1 Main Project

COMPUTER SOCIETY OF INDIA

The following activities were conducted under CSI Banner:

**10 Days Outcome Based Certification Course
On
"Full Stack Web Application Development - 1.O"**

From 10th to 19th August 2020
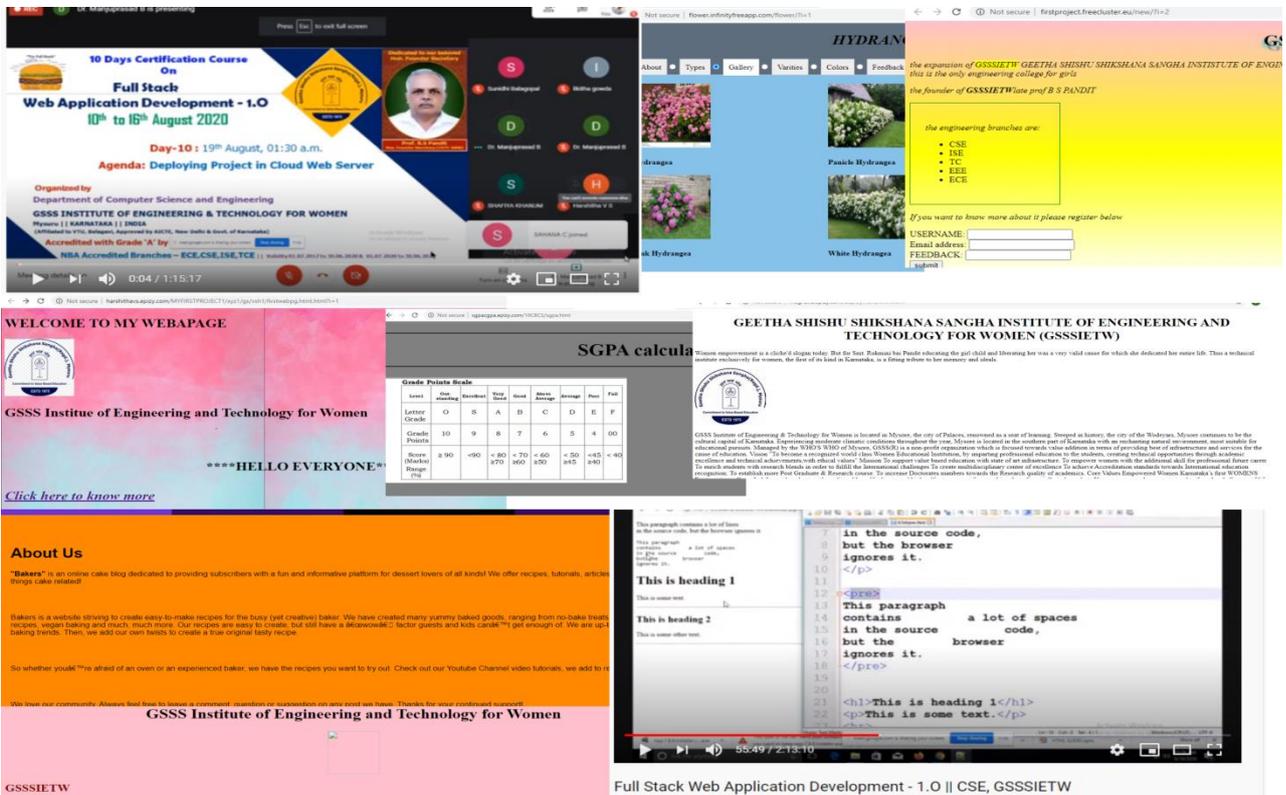
Department of Computer Science & Engineering, GSSSIETW, Mysuru had organized 10 Days Outcome Based Certification Course recently on "Full Stack Web Application Development - 1.O" for the students of GSSSIETW and GSSS SSFGC.

## PROFESSIONAL ACTIVITIES UNDER TECHNICAL FORUM -ARCS

The Department has a student association called ARCS (Association of Rising Computer science Students) which was formed in the year 2011.

Objectives of ARCS:
- To promote team building activities that is required for working effectively in small diverse groups.
- To plan and organize activities like Technical / Personality Development Workshops, Seminars, Industry Visits, etc.
- To provide a platform for students to interact with eminent Academicians, Industry and Research Professionals.

ARChiS, the Newsletter of the Department is released in every year to showcase the activities of the department.

Online webinar
on
"Deep Neural Networks" on 19th May 2020
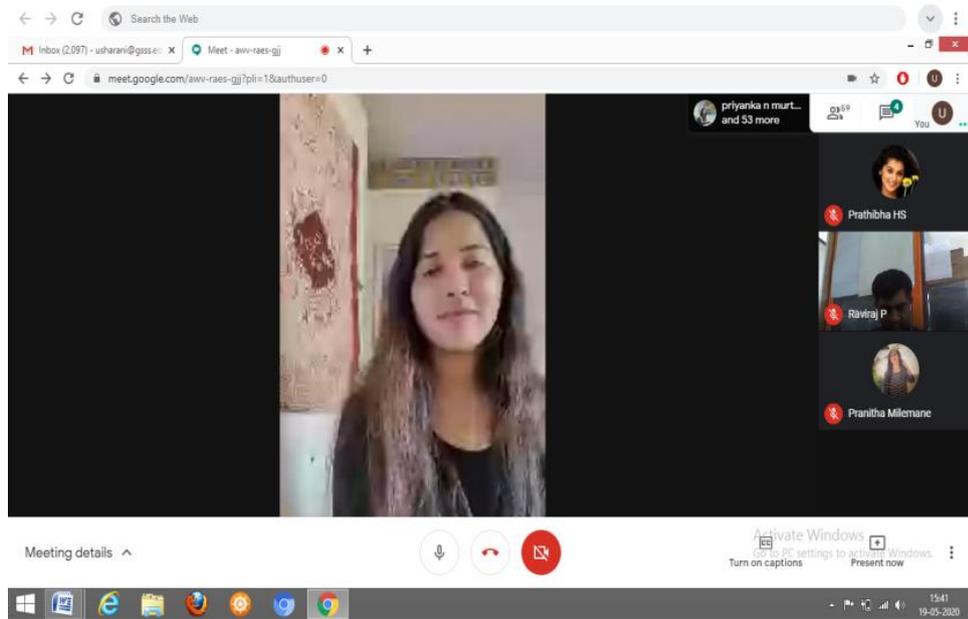
Ms Anusha G C speaker of online webinar
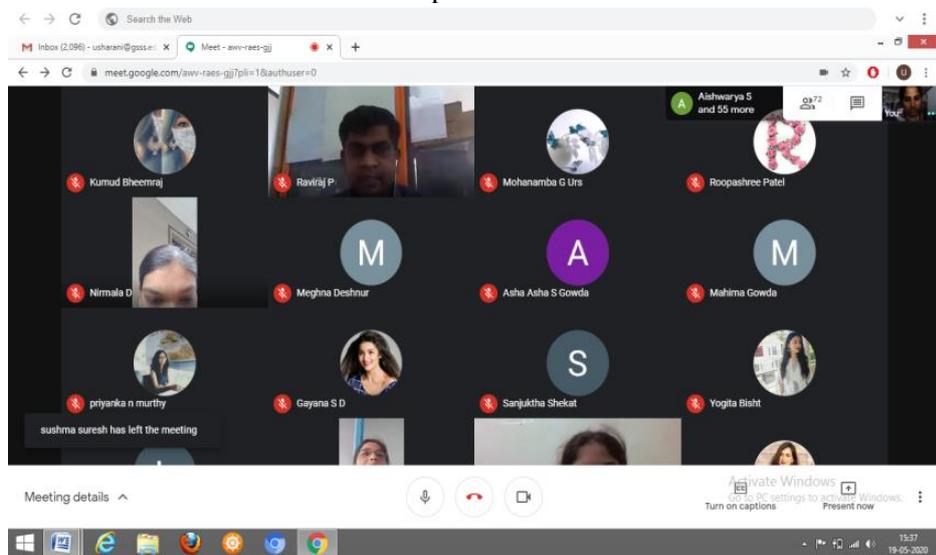
The students in online webinar

The Department of Computer Science & Engineering organized a webinar on "Deep Neural Networks" for 6th semester Computer Science & Engineering students on 19th may 2020. The webinar was Conducted by CSE Alumnae Ms.Anusha G C, Research scholar, National college of Ireland, Dublin, Ireland in the presence of Dr. Raviraj P Professor, Dept. of CSE, GSSSIETW, Mysuru, and webinar Coordinator Mrs. Usha Rani J, Assistant Professor, Dept. of CSE, GSSSIETW, Mysuru.

3 Day Online Student Development Programme
On
"Mobile Application Development using Android and Flutter"
from 29th – 31st July 2020

Department of Computer Science & Engineering, GSSSIETW, Mysuru had organized 03 Days SDP on "Mobile Application Development using Android and Flutter" for the students of Second year CSE, GSSSIETW, from 29th to 31st July 2020 by Dr.Manoj Kumar M V, Associate Professor, NMIT, Bengaluru

Students Achievements-2020

Business Level

MANTHAN-2020: Business Idea Presentation				
SL. No.	Student Name	Guide	Project Title	Status
1.	Rekha Seervi Nisarga H S Nithya P	Dr. S. Meenashi Sundaram, Prof. and Head, CSE	IoT Based Smart System to Monitor the Psychological Stress & Indoor Environmental Parameters Using Succulent Plants	Finalist (Waiting for winner's announcements)
2.	Damini Niranjan, Neethi K T, Kavya M, Prarthan K M	Dr. Manjuprasad B, Associate Professor, CSE	NADI NIDAN using IoT and MACHINE LEARNING	Round 2 Qualifiers

University Level

VTU Project Competition – AVISHKAR 2020

SL. No.	Student Name	Guide	Project Title	Status
1.	**Rekha Seervi, Nisarga H S, Nithya P**	Dr. S. Meenashi Sundaram, Prof. and Head, CSE	IoT Based Smart System to Monitor the Psychological Stress & Indoor Environmental Parameters Using Succulent Plants	Finalist
2.	**Damini Niranjan, Neethi K T, Kavya M, Prarthan K M**	Dr. Manjuprasad B, Associate Professor, CSE	NADI NIDAN using IoT and MACHINE LEARNING	Finalist
VTU Free and Open Source (FOSS) – Project Competition 2020			
3.	**Shrija H S, Sinchana K S, Sindhu D, Pavana T L**	Dr. Manjuprasad B, Associate Professor, CSE	Design And Development Of Voice Based Assistant System for Institute"	Submitted

STATE LEVEL

43rd Series of Student Project Programme: 2019-20 KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY				
SL. No.	**Student Name**	**Guide**	**Project Title**	**Status**
1.	**Damini Niranjan, Neethi K T, Kavya M, Prarthan K M**	Dr. Manjuprasad B, Associate Professor, CSE	NADI NIDAN using IoT and MACHINE LEARNING	APPROVED FOR SPONSORSHIP Of **Rs 4000** No. 43S_BE_2914
2.	**Aishwarya C J, Bhavana S, Chaitra M, Anusha R**	Gururaj K S, Associate Professor, CSE	Design And Development Of A Sensor Based Jacket For Women's Safety Using Iot	APPROVED FOR SPONSORSHIP of **Rs 4000** No. 43S_BE_3315
3.	**A. Vishma Somaiah , Keerthana B, Grantha Bojappa J, Kavyashree M P**	TEJASWINI R M, Assistant Professor, CSE	Automatic Fish Feeding And Water Quality Management System Using Iot	APPROVED FOR SPONSORSHIP of **Rs 4000** No. 43S_BE_2915

		M.Tech		
4.	**Rakshitha B H, Divyashree M**	Mrs. KHATEEJA AMBAREEN, Assistant Professor, CSE	Xbee Based Voice Controlled Wireless Smart Home	APPROVED FOR SPONSORSHIP of **Rs 4000 43S_MTECH_081**

Industry LEVEL

BITES - Xcelerator Student Project Awards 2020 – Phas1				
SL. No.	**Student Name**	**Guide**	**Project Title**	**Status**
1.	Damini Niranjan, Neethi K T, Kavya M, Prarthan K M	Dr. Manjuprasad B, Associate Professor, CSE	NADI NIDAN using IoT and MACHINE LEARNING	Submitted Abstract **(Phase-1)**

Student Publications

SL. No.	**Name of the Student**	**Paper Title**	**Name of event**	**Date**
1.	Akshaya D C Deepthi R Divya M Usharani B K	IoT Based Vehicle Smart Speed Monitoring System	Journal of Emerging Technologies and Innovative Research	May 2020
2.	Nikhitha G N Neelashree N Nisarga priya J Chandana C	Bank customer complaint analysis using natural language processing and data mining	International journal of progressive research in science and engineering	04/06/2020
3.	Navyasri S, Nayala hafsa, Nayana S, Nireeksha Bilimale	Predicting the GDP of India using Machine Learning	Ijprse	May 2020

#				
4.	Sushma K.G, Kavya N, Kavya P.C, Kavyashree V	A Novel IoT Clone Detection Scheme for Hybrid Network	Journal of Emerging Technologies And Innovative Research(JETIR)	29-05-2020
5.	Damini Niranjan; Kavya M; Neethi KT; Prarthan KM	Machine Learning based analysis of pulse rate using Panchamahabhutas and Ayurveda	International Conference on Recent Trends in Science and Technology	17/06/2020
6.	Ashmitha H A, Manaswini B C, Meghana Arun, Navya N C	QR Based Smart Parking System	International Journal of Programming Research in Science and Engineering	31st July, 2020
7.	Yashaswini S, Vaishnavi V , Tejaswini , Spandana Suresh M	An IoT Based Vehicle Theft Detection and Remote Engine Locking System	JETIR	12/06/2020
8.	Anagha G Rao, Fenaaz Afreen, Moditha N, Syeda Arshiya	IOT Enabled Pesticide Sprayer with Security System by using Solar Energy	2ND IETE NATIONAL LEVEL STUDENT TECHNICAL PAPER PRESENTATION	05/08/2020
9.	Jayashree R, Divya S, Inchara T H, Divya M	Analysis of foreign direct investment in India using machine learning techniques	National conference on Communication and Data Science	15-July-2020

Faculty Achievements

Name of the Author	Name of the Article	Name of the Journal with ISSN No.	Volume & Issue Number	Month & Year of Publications
	Design of a Fault Detection and Recovery method for Cluster based Underwater Wireless Sensor Networks	International Journal on Emerging Technologies ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255	Volume-11 Issue-3,	Jul 2020

	Title	Journal	Volume/Issue	Date
Dr. S Meenakshi Sundaram	Design of an Energy Efficient Cluster based Localization Algorithm (EECBLA) for Underwater Wireless Sensor Networks	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075	Volume-9 Issue-7,	May 2020
	Optimized Approach (SPCA) for Load Balancing in Distributed HDFS Cluster	Springer Nature Computer Science	Article number: 102	Mar 2020
	Design of an Optimal Distributed Energy Efficient Hybrid Optical – Acoustic Cluster Based Routing Protocol (EEHCRP) to Minimize the Energy Consumption in Underwater Wireless Sensor Networks	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878	Volume-8 Issue-5	Jan 2020
	Improved and Efficient Dynamic LoadBalancing Algorithm in Cloud Based DistributedSystem	International Journal of Recent Technology and Engineering (IJRTE)	ISSN: 2277-3878, Volume-8 Issue-5	Jan 2020
	A Survey on User's Location Detail Privacy Preserving Models	SN Computer Science (2020)	Volume-1 Issue-174	May 2020
Dr.P Raviraj	Kernel Nearest Neigh-Bour Based Genetic Algorithm And Modified Kernel-Based Fuzzy C-Means Based MRI Image Brain Tumor Segmentation And Classification	IJSTR, ISSN: 2277-8616	Volume-9, Issue-2	Feb 2020
	Optimisation of multi-body fishbot undulatory swimming speed based on SOLEIL and BhT simulators	IJISC, ISSN No: 2517-7648	IJISC, Volume 01, No. 01	Jan 2020
	Integrated framework for secure and energy efficient communication system in heterogeneous sensory application	International Journal of Electrical and Computer Engineerging, ISSN:2088-8708	Volume 9, No-4	Aug 2019

Dr. Roopashree H R	Knowledge based Medical Decision Support System using Data Mining	International Journal of Innovative Technology and Exploring Engineering (IJITEE), ISSN: 2278-3075	Volume-9 Issue-1	Nov 2019
Dr. Manjuprasad B	Lightweight Security Protocol for Efficient Information Transfer in Sensor Networks	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878	Volume-8 Issue-3	Sep 2019
M B Rajashekar	A Survey on User's Location Detail Privacy Preserving Models	SN Computer Science (2020)	Volume-1 Issue-174	May 2019
Madhu M Nayak	A Systematic Analysis of Big Image Data Methodologies in Various Applications	International Journal of Innovative Technology & Exploring Engineering	Volume 9 & ISSN : 2278-3075,	Mar 2020
Tejaswini R Murgod	Design of a Fault Detection and Recovery method for Cluster based Underwater Wireless Sensor Networks	International Journal on Emerging Technologies ISSN No. (Print): 0975-8364 ISSN No. (Online): 2249-3255	Volume-11 Issue-3,	Jul 2020
	Design of an Energy Efficient Cluster based Localization Algorithm (EECBLA) for Underwater Wireless Sensor Networks	International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075	Volume-9 Issue-7,	May 2020
	Design of an Optimal Distributed Energy Efficient Hybrid Optical – Acoustic Cluster Based Routing Protocol (EEHCRP) to Minimize the Energy Consumption in Underwater Wireless Sensor Networks	International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878	Volume-8 Issue-5	Jan 2020
Details of the Conference Publications				
	"Vehicular Monitoring Using RFID"	The International Conference on Automation, Signal Processing, Instrumentation and Control (icASIC2020), VIT University, Vellore **(in association with Springer).**	http://icasic2020.in/	27-28 Feb 2020

Dr.P Raviraj	A Study on Cyber Security for Soverelgn Vehicles	`Intemational Conference on Recent Trends in Science and Technology(ICRTST-2020)', ATME College of Engg, Mysuru (**in association with Springer).**	http://icrtst.atme.in/	17-18 June 2020

Workshops/FDP Attended by Faculty

Name of the Faculty	Type of event	Event Name	Date
Sowmya M	WORKSHOPS	3-days Workshop on "Cyber security and Blockchain Technologies"	13/07/2020 to 15/07/2020
Sowmya M	FDP	Five Day Virtual FDP on "vmware vsphere" hosted by vmware IT Academy in association with Department of ISE, New Horizon College of Engineering, Bengaluru	22/06/2020 to 26/06/2020
Sowmya M	FDP	5 Days FDP on "Outcome based education and accreditation" organized by IILM college of Engineering and Technology	25/05/2020 to 29/05/2020
Sowmya M	FDP	5 days FDP on "Research Methodology: Tools and Techniques" organized by IILM college of Engineering and Technology	18/05/2020 to 22/05/2020
Sowmya M	FDP	FDP on "Contemporary Tools and Techniques for teachers and researchers in higher education: Experience of using Virtual Classrooms held on 9th May 2020 at Cambridge Institute of Technology , Bengaluru	09/05/2020
Amaresh A M	FDP	Machine Learning and Applications	18/05/2020 to 23/05/2020
Amaresh A M	FDP	5 day online fdp on contemporary research methodology and latex for research document,cse department,gsssietw,mysuru	20/07/2020 to 24/07/2020
Amaresh A M	CONFERENCE	Second national level technical paper presentation organised by iete mysuru	21/06/2020
Amaresh A M	FDP	Research in engineering - A Way Forward",A. P. Shah Institute of Technology, Thane.	06/07/2020 to 10/07/2020
Shyleshwari m shetty	Fdp	6 days fdp on recent trends in information technology organized by kare it tamilnadu.	18/05/2020 to 24/05/2020
Ramya B N	FDP	"Recent Trends in Information Technology" organized by KARE IT ,Tamilnadu	18/05/2020 to 24/05/2020
Amaresh A M	FDP	One week fdp on recent trends in information technology conducted by department of information technology of kalasalingam academy of research and education	18/05/2020 TO 24/05/2020
Shyleshwari m shetty	Fdp	5 days hands on fdp :data science using python organized by department of information technology, jeppiaar institute of technology, tamilnadu.	18/05/2020 to 22/05/2020
Shyleshwari m shetty	Fdp	Online fdp on "artificial intelligence" organized by cs dept,rymec	22/05/2020 to 26/05/2020
Amaresh a m	Fdp	National level online faculty development program on artificial intelligence,departent of cs e, rymec in collaboration with brainovision solutions india pvt. Ltd.	22/05/2020 to 26/05/200
Ramya B N	FDP	Online FDP on Artificial Intelligence by RYMEC,	22/05/2020 to 26/05/2020

Amaresh A M	FDP	One Week Online FDP on "Enhancing Research and Consultancy Skills"	22/06/2020 TO 26/06/2020
Ramya B N	FDP	3 Days FDP By Department of CSE, by Angadi Institute,Belgavi	13/05/2020 to 15/05/2020
Shyleshwari m shetty	FDP	3 days fdp : cyber security and blockchain technologies organized by angadi institute of technology and management,belagavi	13/07/2020 to 15/07/2020
Amaresh A M	FDP	3 Days Faculty Development Program,Department of Computer Science and Engineering,Angadi Institute of Technology and Management,LAKMESHWAR	13/07/2020 TO 15/07/2020
Amaresh A M	FDP	Five day online fdp on advances in artificial intelligence, machine learning and robotics by ece,department,vvce	06/07/2020 TO 10/07/2020
Shyleshwari m shetty	FDP	5 day fdp on "contemporary research methodology and latex for research documentation" at gsssietw,mysuru	20/07/2020 to 24/07/2020
Shyleshwari m shetty	Conference	2 national level student technical paper presentation organized by iete mysuru centre, mysuru, in association with ijert	21 june 2020.
Amaresh A M	FDP	Hands on fdp:data science using python, organised by department of information technology of jeppiaar institute of technology,tamil andu	18/05/2020 TO 22/05/2020
Ramya B N	FDP	"Contemporary Research Methodology and latex for Research Documentation",GSSSIETW, Mysuru	20/07/2020 to 24/07/2020
Amaresh A M	FDP	Online fdp on r programming language ,organised by cse department,svma,lakmeshwar	28/05/2020 to 30/05/2020
Amaresh A M	FDP	5-day virtual Faculty Development Programme on EMERGING APPLICATIONS IN DEEP LEARNING, organized by Department of Computer Science and Engineering, rajarajeswari College of Engineering, Bangalore	08/06/20210 TO 12/06/2020
Ramya B N	CONFERENCE	IETE 2nd National level Technical Paper presentation,Mysuru	21/06/2020 to 21/06/2020
Khateeja Ambareen	FDP	5 day online fdp on contemporary research methodology and latex for research document,cse department,gsssietw,mysuru	20/07/2020 to 24/07/2020

EDITORIAL TEAM

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