

Techno Philia

Create Stimulate Emulate

Editors :

Prof. R. Ramesh, CSE.
Assoc. Prof. P. G. K. Sirisha, CSE.
Asst. Prof. M. Subha Sree, CSE.

19

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Advisors:

Dr. Ch. Aruna Professor, CSE
Dr. M. S. S. Sai Professor, CSE
Dr. Murali Professor, CSE
Dr. R.V. Kishore Kumar, CSE
Dr. G. Dileep Kumar, CSE

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Student coordinators

G Vinay Kumar (17JR1A0558)
M Kranthi Kumar (18JR1A05A0)
Sk. Eesub Vali (18JR1A05G2)
B. Sai Silpa (19JR1A0507)
B. Sai Manaswini (19JR1A0506)



KKR & KSR Institute of Technology and Sciences
 Vinjanampadu, Vatticherukuru Mandal, Guntur, Andhra Pradesh – 522017
 Email: hodcse@kitsguntur.ac.in

About the Department

The KKR & KSR Institute of Technology and Sciences was established computer science engineering stream in the year of 2008. The Department of Computer Science and Engineering educates knowledge of computer and it' s engineering. Almost all fields are computerized to have an ease of handling the problems of designing, manufacturing, maintenance, servicing, researching, marketing and accounting. The B. /Tech computer engineering program includes computer operations on different languages, data generation, collection and utilization of information. The Department is implementing OBE based education.

Vision	Mission
<p>To become a reputed center in computer Science and systems engineering for quality, competency and social responsibility</p>	<ol style="list-style-type: none"> 1. Providing a strong theoretical and practical education in a congenial environment. 2. Providing additional skills and training to meet the current needs of the industry. 3. Inculcating ethical values to meet the challenges of life with courage and confidence.

Department Achievements

Events Organized in the Department

An Online One Week Electronics & ICT Academy IIT Guwahati

on

"Machine Learning for Internet of Things"

26-07-2021 to 31-07-2021

Description: To meet the ever-demanding prerequisites of the knowledge industry, Refresher Program have always been an effective tool to enrich teaching and research competencies of educationists. This 1week E&ICT Academy IIT Guwahati sponsored Refresher Program is conducted by the Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences on "**Machine Learning for Internet of Things**". 100 Faculty members from various Engineering colleges, universities throughout the nation were participated. The participants obtained deep insights on Foundations Steps in ML With IOT applications in different Domains, Data Modelling and Machine Learning Process, ML Techniques,

ML Algorithms, **Deep Learning ,Edge System Architecture** Academicians enhanced their knowledge through practical sessions.

Name of the coordinators:

1. Prof. R. Ramesh, Head of CSE Department
2. Dr. M. S. S. Sai, Professor
3. Prof. A. V. Ragahava Rao, Professor
4. A. Suneetha, Assistant Professor

Resource Person Details:

1.Kaushlendra is IIT Kanpur Alumni. He is voracious speaker and delivered talks to many Universities and Colleges on Internet of Things (IoT), Industry4.0, Convergence of Technologies and Start-up eco-systems. He is also serving as mentor of The IoTAcadem(Collaborator of E&ICT Academy, IITG, IITK and IITR).

Kaushlendra Singh Sisodia has 20+ years Industry experience and cofounder of UniConverge Technologies Pvt. Ltd (UCT). Prior to UCT, he played various key roles in Ericsson AB (Sweden), STMicroelectronics and other MNCs. Under his leadership, UCT has been chosen by [Nexus](#) (University of Texas, USA Startup Hub) and collaborated with IIT Jodhpur and IIT Guwahati for commercialization of Security and Industrial IoT domain R&D products. Recently, UCT has been selected by IIT Roorkee for TIDES Acceleration program. He has been chosen by ATL Mission, NITI AYOOG (Gov. of India) as Mentor for Delhi Public School, Noida



Sanjay Agarwal Associated with Uniconverge Technologies as Trainer for Business Analytics & Data Science, have put in 2000+ hours in training & mentoring learners (including IIM & CII) . He has 30+ years of vast experience in leading and managing Business & Technology roles in variety of verticals. As a Management and Technology professional have expertise in leading Technology Initiatives, Business Development. & Managing Strategic Partnerships. He has done specialization in Data Science, Business Analytics & Big Data from Aegis School of Data Science. He holds MBA from IMS, BHU & Engineering in Electronics & Communications

Jitesh kumar Sr. IoT Engineer (UniConverge Technologies Pvt. Ltd. Email: jiteshec@gmail.com Ph. +917877910666/8619156664) A qualified and experienced Trainer with 7 years' experience in IoT, Wireless and Embedded Industry. He have trained more than 1200 students till date. He have trained students in association with IIT Guwahati, IIT Kanpur and many other Engineering Colleges.



Rishabh is having more than 5 years' experience and currently working with Uniconverge Technologies Pvt Ltd, Noida as a Senior System Engineer for various projects like, Wireless Node and IoT Gatewaysfor IIOT, Data Aggregation and Monitoring Systems, LoRaWAN, Predictive maintenance etc. Rishabh has major interest in electronic design and Embedded Software development along with end to end integration of the IOT system. Education: MTech, Microelectronics from BITS, Pilani BE, Electronics and Communication, TIT College, Bhopal, 2016.

Program Schedule:

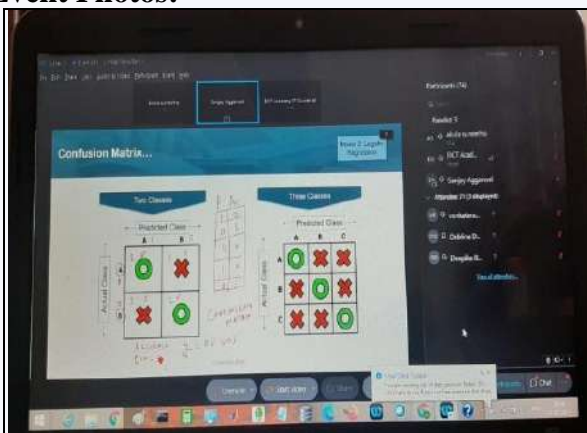
Date	Time	Topic
Day-1 (26-07-2021)	10:00 am – 10:15 am	Inaguration
	10:15 am – 01:00 pm	Introduction of ML for IOT a. What is IoT and ML? b. What is their interdependence c. ML with IoT applications in different domains d. Trends in IoT Market ML Design flow a. Motivation behind ML Processing b. Steps in Data Modelling and Machine Learning Process
	01:00 pm - 02:00 pm	Lunch Break
	02:00 pm - 05:00 pm	ML Techniques a. Supervised b. Unsupervised c. Reinforcement Learning d. Deep Learning Hands-on Python for ML
Day-2	10:00 am – 01:00 pm	ML Algorithms
		a. Classification
		b. Clustering
		c. Decision Tree
		d. Naïve-Bayes
		e. Random Forests
		f. Support Vector Machine

		g. Recurrent Neural Network
		h. KNN
		i. K-Means
(27-07-2021)		j. LSTM Hands-on Supervised and Un-Supervised Learning
	01:00 pm - 02:00 pm	Lunch Break
	02:00 pm - 05:00 pm	Deep Learning a. Neural Networks b. RNN c. CNN d. GAN Hands-on Deep Learning
Day-3 (28-07-2021)	10:00 am – 01:00 pm	Edge System Architecture a. Processor Architecture b. Compiler c. DSP d. FPGA e. ASIC f. Hardware Accelerators Edge System Architecture g. System Architecture h. Memory architecture i. Instruction set

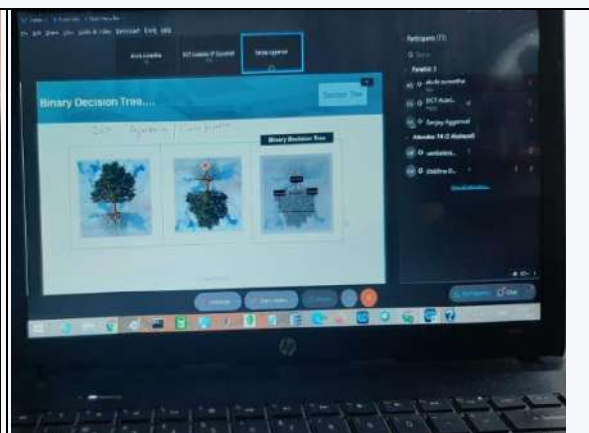
		j. GPU
		k. TPU

No. of Faculty Attended: 100

Event Photos:



Key Note Speakers: Sanjay Agarwal



Key Note Speakers: Rishabh Kumar

A Three Day Workshop on "Java Script and JQuery"

16-07-2021 to 19-07-2021

Description:To meet the ever-demanding prerequisites of the knowledge industry, Refresher Program have always been an effective tool to enrich students of BTech Programme, conducted by the Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences on “**Java Script and JQuery**”. More than 240 students BTech CSE/IT students are attended for this program. The participants obtained very good knowledge about basics of Java Script, advanced concepts of Java Script and JQuery.

Name of the coordinators:

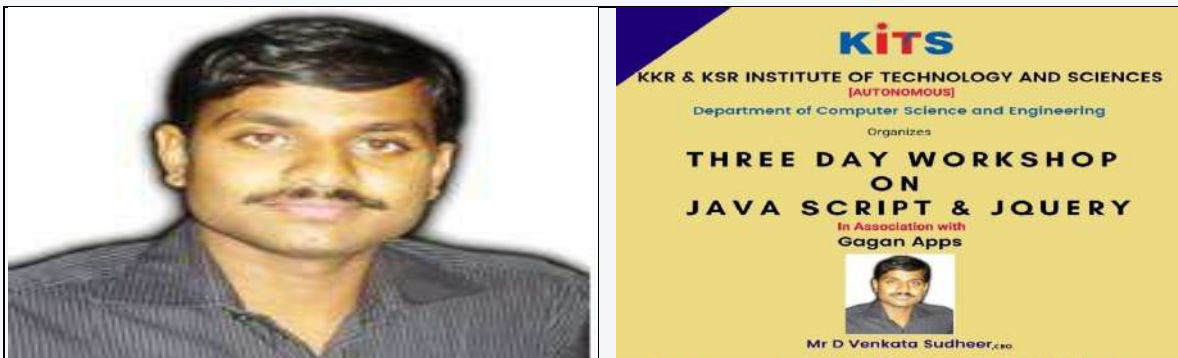
1. Prof. R. Ramesh, Head of CSE Department
2. Dr. B. Bhanu Prakash, Professor
3. Mr. M. Ayyapa Chakravarthy, Assistant Professor

Resource Person Details:

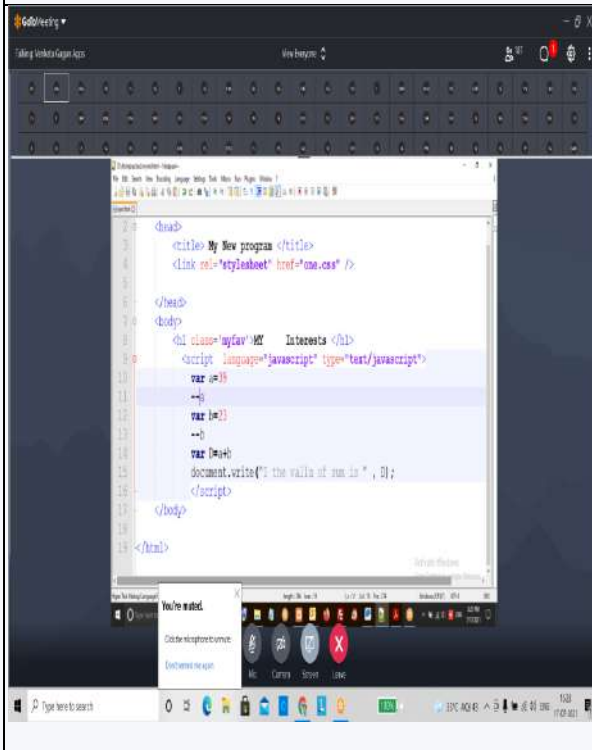
DAY	SESSION- 1 (2:00PM – 4:00PM)
Day-1 16-07-2021 (Friday)	Basics of Java Script concepts
Day-2 17-07-2021 (Saturday)	Advanced Java Script concepts
Day-3 19-07-2021 (Monday)	Concepts of JQuery

No. of attended: 208

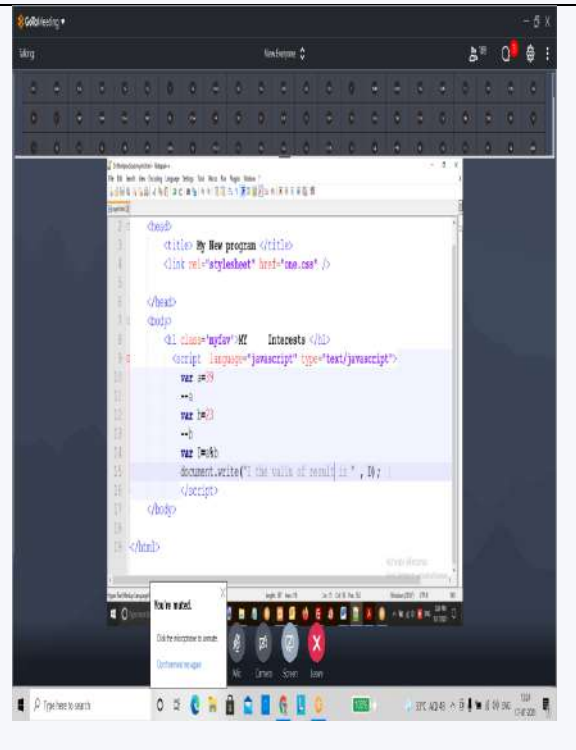
Event Photos:



Key Note Speaker: Mr D Venkata Sudheer
CEO, Gagan Apps



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1 <html>
2 <head>
3   <title> My New program </title>
4   <link rel="stylesheet" href="one.css" />
5
6 </head>
7 <body>
8   <div class="myfav"> My Interests </div>
9   <script language="javascript" type="text/javascript">
10    var a=5
11    --a
12    var b=3
13    --b
14    var [a+b]
15    document.write("The value of sum is " , B);
16  </script>
17 </body>
18 </html>
```



```
1 <html>
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13    --b
14    var [a+b]
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16  </script>
17 </body>
18 </html>
```

A Webinar on "Safe Me - Cyber Hygiene"

On

24-07-2021

Description: To meet the ever-demanding prerequisites of the knowledge industry, A online webinar to enrich students of BTech Programme, conducted by the Department of Computer Science and Engineering, KKR & KSR Institute of Technology and Sciences on **"Safe Me – Cyber Hygiene"**. More than 240 students BTech CSE/IT students are attended for this program. The participants obtained very good knowledge about Cyber Hygiene.

About the Webinar: We, at SAFE Security, are on a mission to raise awareness on Cyber Hygiene in this pandemic. A **Cyber Hygiene Awareness Initiative** is to make the world understand the importance of Cyber-Security in the 21st Century. It opens up lucrative career opportunities for students on upcoming challenges in cyberspace.

The webinar provides an intensive session to empower students with knowledge in a simplified and easily graspable manner, towards adapting the best cyber hygiene best practices to stay safe and secure from cyber frauds and recent online scams.

Name of the coordinators:

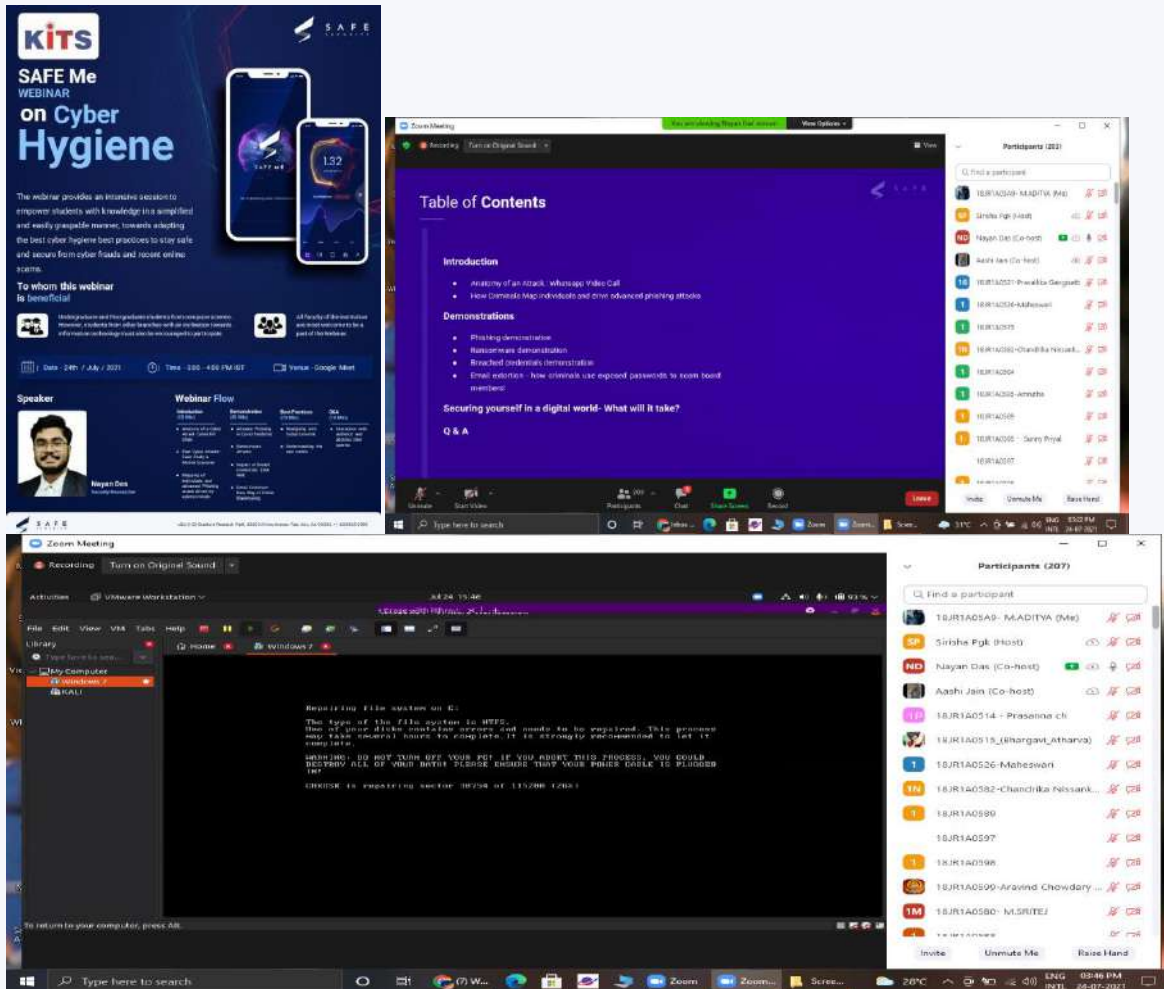
1. Prof. R. Ramesh, Head of CSE Department
2. P.G.K. Sirisha, Associate Professor

Resource Person Details:

Nayan Das is an Associate Security Researcher at Safe Security. He completed his Post Graduation Diploma in Cyber Security and Law from Shaheed Sukhdev College, University of Delhi. His journey as a trainer and security researcher started from Udemy where he published two courses on Web Application and Android Pentesting which has been enrolled by more than 40 thousand students around 170 countries in the world. He provides training at Delhi University and Sushant University on multiple subjects like Web application security, Digital Forensics, and SCADA. Apart from training, he works on research papers and has 4 papers published at Exploit Database on different topics and exploits. He also works with the students on their research in cybersecurity and helps them get their papers published.

No. of Students attended: 236

Event Photos:



Guest Lectures/Seminars/Workshops/FDPs/Webinars Attended or Organized

S.No	Faculty Name	Event Type	Title of the event	Venue	No of Days	Date(s)(From-To)	Role
1	R.V.Kishore kumar		NIL				
2	G Murali		NIL				
3	G.Tejo Lakshmi	WEBINAR	Importance of Cloud Native Product Development	VFSTR,Vadlamudi	1	09-07-2021	ATTENDED
4	G.Tejo Lakshmi	WEBINAR	Modeling Software Architectures with Robin Milner's Calculus of Communicating Systems(CCS)	VFSTR,Vadlamudi	1	23-07-2021	ATTENDED
5	M Rajesh Reddy	WEBINAR	New Age Digital Learning Techniques	P N Panicker Foundation (NDLI)	1	03-07-2021	ATTENDED
6	M Rajesh Reddy	WORKSHOP	Latex	GITAM, Bengaluru	5	05-07-2021 to 09-07-2021	ATTENDED
7	M Rajesh Reddy	WEBINAR	The Necessity Of Employability Skills Today	JAYAGOVIND HARIGOPAL AGARWAL AGARSEN	1	14-07-2021	ATTENDED

				COLLEGE-CHENNAI			
8	M Rajesh Reddy	WORKSHOP	Data Science Applications using ML & DL Techniques	Chalapathi Institute of Engineering & Technology	1	19-07-2021	ATTENDED
9	M Rajesh Reddy	WEBINAR	Gender and Development in Contemporary Society	KLEF-Vaddeswaram	1	30-07-2021	ATTENDED
10	M Rajesh Reddy	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati	6	26-07-2021 to 31-07-2021	ATTENDED
11	Subba Rao Maram	WEBINAR	Impact of Digital Library on Outcome based Education	kits college. Guntur	1	30-07-2021	ATTENDED
12	M Purnachandra Rao	FDP	Medical Image Processing 3D Applications	Pandicheri University(ATAL)	5	5-7-21 to 9-7-21	ATTENDED
13	M Purnachandra Rao	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati	6	26-07-2021 to 31-07-2021	ATTENDED
14	M Purnachandra Rao	FDP	Competitive Coding	E&ICT Academy and IIT Kanpur	6	12-7-21 to 17-7-21	ATTENDED
15	M SRINIVASA RAO	FDP	Competitive Coding	E&ICT Academy and IIT Kanpur	6	28/06/21 to 03/07/21	ATTENDED
16	M SRINIVASA RAO	FDP	Advanced Cyber Security & Forensics	E&ICT Academy and IIT Kanpur	6	29/06/21 to 04/07/21	ATTENDED

17	M SRINIVASA RAO	FDP	Data Sciences	E&ICT Academy and IIT Kanpur	12	5/7/21 to 16/7/21	ATTENDED
18	M SRINIVASA RAO	FDP	Machine Learning	E&ICT Academy and IIT Kanpur	6	19/7/21 to 24/7/21	ATTENDED
19	M SRINIVASA RAO	FDP	Full Stack	E&ICT Academy and IIT Kanpur	6	26/7/21 to 31/7/21	ATTENDED
20	M SRINIVASA RAO	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati & KITS Guntur	6	26/7/21 to 31/7/21	ATTENDED
21	M SRINIVASA RAO	OTHER	Innovation Ambassador(Foundation Level) Training Program	MoE's Innovation Cell & AICTE	30	30/06/21 to 30/07/21	ATTENDED
22	M SRINIVASA RAO	WEBINAR	New Age Digital Learning Techniques	P N Panicker Foundation (NDLI)	1	03-07-2021	ATTENDED
23	M SRINIVASA RAO	WEBINAR	The Necessity Of Employability Skills Today	Jayagovind Harigopal Agarwal Agarsen College-Chennai	1	14/07/21	ATTENDED
24	M SRINIVASA RAO	WEBINAR	Gender and Development in Contemporary Society	KLEF-Vaddeswaram	1	30/07/21	ATTENDED
25	M SRINIVASA RAO	FDP	Machine Learning And Computer Vision	ATAL FDP- VFTR,Vadlamudi	5	5/7/21 to 9/7/21	ATTENDED
26	M SRINIVASA RAO	FDP	Data Analytics And Machine Learning using Python	ATAL FDP- SIT, RGPV Bhopal	5	12/7/21 to 16/7/21	ATTENDED

27	K.Chandana	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati & KITS Guntur	6	26/7/21 to 31/7/21	ATTENDED
28	A.Suneetha	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati & KITS Guntur	6	26/7/21 to 31/7/21	ORGANIZED
29	A.Suneetha	FDP	Recent advancements of Machine learning in terms of AI & IOT	Srm Institute Of Science And Technology	14	12/7/21 to 25/7/21	ATTENDED
30	A.Suneetha	FDP	Digital Teaching Techniques	Ict Academy	5	05-07-21 to 09-07-21	ATTENDED
31	P. G. K. Sirisha	FDP	“Data Science and Machine Learning”	E&ICT Academy, NIT Warangal in Association with KHIT, Guntur.	7 (40 hrs)	12th July 2021 to 20th July 2021	ATTENDED
32	G.Tejo Lakshmi	FDP	Machine Learning for Internet of Things	E&ICT Academy and IIT Guwahati & KITS Guntur	6	26/7/21 to 31/7/21	ATTENDED
33	B.PRASANNA KUMAR	WEBINAR	New Age Digital Learning Techniques	NITI Aayog, Ministry of Education, National Digital Library of India	1	03-07-2021	ATTENDED
34	B.PRASANNA KUMAR	WEBINAR	The Necessity Of Employability Skills Today	Jayagovind Harigopal Agarwal Agarsen College, Chennai	1	14-07-2021	ATTENDED

Faculty Publications

S.No	Author	Journal/ Conference	Published Date	Paper Title	Journal Name/Conference Name	ISSN/ ISBN No	Journal Indexing/ Conference Type	Status
1	M Purnachandra Rao	JOURNAL	July, 2021	Garbage Management System using IoT	International Journal of Computer science & Mechatronics	2455- 1910	GOOGLE SCHOLAR	PUBLISHED
2	A.Suneetha	JOURNAL	June 2021	Identity QR	IJARCCCE	2319- 5940	UGC LISTED	PUBLISHED
3	A.Suneetha	JOURNAL	June 2021	Facial Expression Based Music Recommendation System	IJARCCCE	2319- 5940	UGC LISTED	PUBLISHED
4	P. G. K. Sirisha	JOURNAL	July, 2021	Electrocution Prevention Using IoT	IJAEMA	0886- 9367	UGC Care Journal	PUBLISHED
5	P.G.K.Sirisha	JOURNAL	July, 2021	Honk Before Turning of Your Engine	IJARCCCE	2319- 5940	UGC LISTED	PUBLISHED

The following Faculty completed online courses

S. No	Faculty Name	Name of the Course	Offering Organization
1	M SRINIVASA RAO	Introduction to C	Great Learning

STUDENTS ACHIEVEMENTS

Campus Placement Details

- DXC Technologies on-campus Drive was conducted on 30-6-2021 for 2018-22 batch students. Total **66** students were placed and the details of the students are mentioned in the below table:

S.No	Roll Number	Student Name
1	18JR1A0502	Lakshmi Varsha Adapa
2	18JR1A0504	Meghana Bandi
3	18JR1A0507	Bondalapati Naga Sai Haritha
4	18JR1A0510	Hema varshini Challagundla
5	18JR1A0520	Bhargavi Gade
6	18JR1A0522	Gayatri Gangisetty
7	18JR1A0523	Pranavi Ganta
8	18JR1A0527	Krithika – Gude
9	18JR1A0528	Aswini guttala
10	18JR1A0529	Mahitha Guttikonda
11	18JR1A0530	MADHURI INTURI
12	18JR1A0533	Harika Kallam
13	18JR1A0537	CHAITANYA Baikar
14	18JR1A0551	PAVAN KUMAR DAMMU
15	18JR1A0555	Sivasai Gaviriboina
16	18JR1A0559	Shambhavi Kantheti
17	18JR1A0561	K.N.V.S JYOTHI

18	18JR1A0562	SRAVANI KOLLI
19	18JR1A0564	Pooja Konala
20	18JR1A0568	SIVA VYSHNAVI PRIYA KOUSALYA
21	18JR1A0571	Kurapati Mohitha
22	18JR1A0572	Naga Bhargavi Kutala
23	18JR1A0574	Likhita Veeram
24	18JR1A0577	Sunny Mannepalli
25	18JR1A0578	Haritha Sri Maturi
26	18JR1A0579	Keerthi Teja sree Moturu
27	18JR1A0583	Naga Pravallika Peddi
28	18JR1A0584	Srilatha Pentyala
29	18JR1A0586	Nissi Sharon Pidathala
30	18JR1A0587	Harika Pidikiti
31	18JR1A0588	Pallavi Ponduri
32	18JR1A0590	GOWRI POTTA
33	18JR1A0599	Aravind Chowdary Koya
34	18JR1A05A5	Madala Sai Sandeep
35	18JR1A05A7	RAGHUVAMSI MALLAMPALLI
36	18JR1A05B5	MOHAMMAD SHOAB SHAZID
37	18JR1A05B7	SUMITHRA PRATHI
38	18JR1A05B9	Kavya Prattipati
39	18JR1A05C3	Meghana Sayapaneni
40	18JR1A05C4	Sai Vinaya Manaswi Seeda
41	18JR1A05C5	Apsana Parveen SHAIK
42	18JR1A05C6	Baji Shaik
43	18JR1A05C9	Parveena Shaik
44	18JR1A05D0	Salma Rahimunnisa Shaik

45	18JR1A05D3	TABASSUM SYED
46	18JR1A05D4	Tadepalli Madhu Chandrika
47	18JR1A05E0	Amrutha Vani Vasantha
48	18JR1A05E4	Rupa Sri Thanmai Venna
49	18JR1A05E7	Yerusu Venkata Rajeswari
50	18JR1A05F3	VENKATA SIVA SAI SUMANTH POTTI
51	18JR1A05F4	LAKSHMI VENKATA NARASIMHA SAI PRAGADA
52	18JR1A05G3	Nagul Sharif shaik
53	18JR1A05G4	SAYEED UZ ZAMA SHAIK
54	18JR1A05G6	SIKHAKOLLI SAI ABHINAV
55	18JR1A05G7	Suram Prathyesh Reddy
56	18JR1A05H0	LOKESH THADIPARTHI
57	18JR1A05H5	Badri Yatham
58	18JR1A05H6	PRAVALLIKA MURUKUTLA
59	19JR5A0501	Veera Sekhar Alla
60	19JR5A0503	VENKATA NAGA SAI VENGALASETTY
61	19JR5A0504	Siva Venu
62	19JR5A0506	HANUMANTHA RAO VULLI
63	18JR1A0556	TRISANTHI SWAROOP GOLLAPATI
64	18JR1A0585	Amrutha Perumalla
65	18JR1A05E2	Raja Ratna Chelsia Veerpana
66	18JR1A05F5	PULUKURI SRIHARI

- Our 2017-21 batch students got placed in several companies in this Academic year. The table gives the summary of campusplacements conducted up-to July 2021.

S.No	Name of Company	No of students Selected
1	DXC Technologies	79
2	TCS Codevita	2
3	InfyTQ	20
4	GlenWood	3
5	CTS	9
6	Efftronics	2
7	TechM	3
8	Savantis	13
9	Accenture	11
10	Infosys	5
11	Wipro	1
12	Accolite	1
13	TCS	10
14	Zycus	1
15	Mindtree	3
Total Placements		153