



# ANURAG GROUP OF INSTITUTIONS

An Autonomous Institution

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Venkatapur (V), Ghatkesar (M), Medchal (Dt.), Telangana State - 501 301

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## Department of Information Technology

# IT's HORIZON

Vol-7 Issue-2, Jan 2020-June 2020

A Bi-Annual Newsletter

**nirf** 2020



**ANURAG**  
UNIVERSITY

Venkatapur, Ghatkesar, Medchal district, Hyderabad,  
Telangana, India-500088, <https://anurag.edu.in/>

# Department of Information Technology

## VISION

To evolve as a centre of excellence for Information Technology Pedagogy and achieve the excellence for future Research and Development in the relevant field.

## MISSION

To impart high quality education in Information Technology for Under Graduate and Post Graduate students by providing concepts, exposure to practical knowledge and improving the leadership qualities, professional ethics, analytical thinking as to work with a commitment to excel in their careers.

## PROGRAM EDUCATIONAL OBJECTIVES

PEO1: Graduate should be a sound foundation in the mathematics, science and technology, necessary to analyze & solve real world problems and to prepare them for Graduate Studies and Research.

PEO2: To solve engineering problems in the Information Technology domain with appropriate tools, use the knowledge gained in core theory and practical curriculum subjects.

PEO3: Opportunities are provided for graduates to work as part of teams on various projects which are multidisciplinary in nature requiring logical and programming skills.

PEO4: Graduates should take up higher education or employment positions with good communication and presentation skills in the Information Technology field.

## Student Achievements

614 certifications received in various courses through CISCO, NPTEL, and FOSS (IITB) during the academic year:2019-20.

S. No	# Students	Course Name
1	200	Programming Essentials in Python (CISCO)
2	110	Advanced programming through C++(CISCO)
3	96	Computer Programming(FOSS)
4	59	Python 3.4.3(FOSS)
5	97	Oracle Academy(Oracle Database Programming with SQL)
6	3	Winner Certificates from JHub Hackthon
7	49	Participation Certificates from Vibhavana Hackthon

# Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
1	Sharvirala Abhishek	Programming for everybody (getting started with python)	University of Michigan	23-05-2020
		Python Data Structures	University of Michigan	09-06-2020
2	Akki Sai Charan	Programming for everybody (getting started with python)	University of Michigan	23-04-2020
		Python Data Structures	University of Michigan	29-04-2020
		Using Python to Access Web Data	University of Michigan	14-06-2020
		Introduction to HTML5	University of Michigan	06-06-2020
3	Samhith Annamgari	Programming for everybody (getting started with python)	University of Michigan	27-05-2020
4	Prashanth Armoori	Programming for everybody (getting started with python)	University of Michigan	18-05-2020
5	Bathula Pranay Kumar	Programming for everybody (getting started with Python)	University of Michigan	20-05-2020
6	Brahma Routhu Sai Teja Varma	Programming for Everybody (Getting started with python)	University of Michigan	18-05-2020
		Python Data Structures	University of Michigan	23-05-2020
		Introduction to C# Programming and Unity	University of Colorado System	29-05-2020
		Using Python to Access Web Data	University of Michigan	02-05-2020
		Using Data Bases With Python	University of Michigan	10-06-2020
		Capstone: Retrieving, Processing, and Visualizing Data with Python	University of Michigan	20-06-2020
		Introduction to Game Design	California Institute of the Arts	29-06-2020



## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
7	Gowtham Reddy	Programming for everybody (Getting started with python)	University of Michigan	20-05-2020
8	Gade Jahnavi	Programming for everybody (getting started with Python)	Coursera	21-04-2020
		python data structures	Coursera	19-05-2020
		image processing (from Mars to holly wood)	Coursera	22-05-2020
		programming in C++	Cisco	30-05-2020
		machine learning with Python	Microsoft verzeo	31-05-2020
9	Jyothika Jalla	IBM data science specialization	IBM	06-05-2020
		Python for everybody specialization	University of Michigan	20-05-2020
10	Mrinalini Kota	Perfect Tenses and Modals	University of California, Irvine	24-06-2020
		Adjectives and Adjective clauses	Coursera	13-06-2020
		Tricky English Grammar	Coursera	04-07-2020
11	SasiKiran Reddy Kalam	Programming for Everybody(Getting Started with Python)	University of Michigan (Coursera)	09-06-2020
12	Saipranav Kurupally	Programming for Everybody(Getting Started with Python)	University of Michigan (Coursera)	28-06-2020
		Using Database With Python	University of Michigan (Coursera)	01-06-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
13	Markanti Bala Suresh	Programming for Everybody(Getting Started with Python)	University of Michigan (Coursera)	21-04-2020
		Using Database With Python	University of Michigan (Coursera)	23-04-2020
		Python Data Structures	University of Michigan (Coursera)	24-04-2020
		Using Python to Access Web Data	University of Michigan (Coursera)	29-04-2020
		Capstone: Retrieving, Processing, and Visualizing Data with Python	University of Michigan (Coursera)	01-05-2020
		HTML,CSS,and JavaScript for Web Developers	Johns Hopkins University(Coursera)	30-05-2020
		Machine Learning Foundations: A Case Study Approach	University of Washington (Coursera)	12-06-2020
		Data@ANZ Program	ANZ(Inside Sherpa)	16-06-2020
14	Deepa Nallamally	SQL fundamentals	University of San Francisco	04-04-2020
15	Adithya Narla	Programming for Everybody (Getting started with python)	University of Michigan	28-04-2020
		Python Data Structures	University of Michigan	22-05-2020
		Python Foundation	Apponix	20-04-2020
		Introduction to Psychology	Yale University	04-06-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
16	Sravya Patharlapalli	HTML, CSS, and JavaScript for Web Developers	Johns Hopkins University	07-05-2020
		Algorithmic Toolbox	University of California San Diego	24-06-2020
		Responsive Website Basics: Code with HTML, CSS, and JavaScript	University of London	19-04-2020
		Web Application Development with JavaScript and MongoDB	University of London	12-06-2020
		Responsive Website Tutorial and Examples	University of London	29-06-2020
		Introduction to Meteor.js Development	University of London	28-05-2020
		Responsive Web Design	University of London	06-05-2020
		Web Design for Everybody(specialization)	University of Michigan	22-06-2020
		Python for Everybody(Specialization)	University of Michigan	07-07-2020
		Front-End Web UI Frameworks and Tools: Bootstrap 4	The Hong Kong University of Science and Technology	06-06-2020
		Competitive Programmer's Core Skills	Saint Petersburg State University	22-06-2020
		JavaScript Essential Training	Linked Learning	23-06-2020
		Getting Started with Frontend Development	upGrad	26-05-2020
		Web Development By Doing: HTML/CSS from Scratch	Udemy	07-05-2020
The Complete JavaScript Course For Web Development Beginners	Udemy	05-05-2020		

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
17	Krishna Karthik	Programming for Everybody (Getting Started with Python)	University of Michigan	06-05-2020
18	Harika Reddy	Programming for Everybody (Specialization)	University of Michigan	18-05-2020
19	Nikitha Reddy	Programming for everybody (Getting started with python)	University of Michigan	17-05-2020
		Introduction to communication science	University of Michigan	17-05-2020
		Python Data structures	University of Michigan	19-05-2020
20	Shiva Sai	Programming for Everybody (Getting started with python)	University of Michigan	04-06-2020
		python data structures	University of Michigan	08-06-2020
21	Snigdha Neela	Programming for Everybody (Getting started with python)	University of Michigan	24-05-2020
		Python data structures	University of Michigan	16-06-2020
		AI for everyone	Deeplearning.ai	06-06-2020
22	Sujith Reddy Gaddam	Programming for Everybody (Getting started with python)	University of Michigan	05-05-2020
		Python Data Structures	University of Michigan	09-05-2020
23	Vennamaneni Abhilash	Programming for everybody (getting started with python)	University of Michigan	21-05-2020
		Java programming: arrays, lists and data structures	Duke University	14-05-2020
24	Nikhil Kumar	Mind Control: Managing Your Mental Health During COVID-19	University of Toronto	15-06-2020
25	Diviti Sandeep	Programming for everyone (getting started with python)	University of Michigan	28-06-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
26	Nama Southenkumar	AWS fundamentals: going cloud native	AWS	17-05-2020
27	Nama Southenkumar	AI for everyone	<a href="https://www.deeplearning.ai">deeplearning.ai</a>	07-06-2020
28	Pravalika Amadapaku	Python programming: python data structures	Coursera	16-05-2020
29	Amaravadi Sahithi	Programming for everybody (Getting started with python)	Coursera	07-07-2020
30	Rachana Anugandula	Java Programming: Solving Problems with Software	Coursera	29-04-2020
31	Rachana Anugandula	Java Programming: Arrays, Lists, and Structured Data	Coursera	10-05-2020
32	Rachana Anugandula	Data Structures and Performance	Coursera	26-05-2020
33	Rachana Anugandula	Programming with Python	Intern Shala	16-04-2020
34	Mogili Keerthy Reddy	Cybersecurity and internet of things	Coursera	29-04-2020
		python data structures	Coursera	23-05-2020
35	Bussa Shivani	Java Programming: Solving Problems with Software	Coursera	29-04-2020
		Java Programming: Arrays, Lists, and Structured Data	Coursera	10-05-2020
		Data Structures and Performance	Coursera	26-05-2020
		Advanced Python	Cosmic Skills	28-04-2020
36	Srujana Bodanam	Python Programming: Getting started with python	Coursera	11-04-2020
		Python programming: Python Data Structures	Coursera	21-04-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
46	M Lakshmi Chandana	Java Programming: Solving Problems with Software	Coursera	29-04-2020
		Java Programming: Arrays, Lists, and Structured Data	Coursera	10-05-2020
		Data Structures and Performance	Coursera	26-05-2020
		Advanced Python	Cosmic Skills	28-04-2020
47	Mallepogu Jessica Daisy	Cybersecurity and Internet of things	Coursera	14-05-2020
		Python data structures	Coursera	26-05-2020
48	Aishwarya Mudiraj	Cybersecurity and internet of things	Coursera	24-04-2020
		Python data structures	Coursera	16-05-2020
49	Jagadeesh Reddy Mandapati	AWS Fundamentals: Going cloud native	Coursera	18-05-2020
50	Mogili Spoorthy Reddy	Cybersecurity and internet of things	Coursera	29-04-2020
		Python data structures	Coursera	23-05-2020
51	Mohammed Irshad Ali	Java Programming: Solving Problems with Software	Coursera	17-05-2020
52	Harsha Vardhan	Programming for everybody(Getting started with python)	Coursera	22-06-2020
53	Usha Sri	Programming for everybody(Getting started with python)	Coursera	22-06-2020
		Career Edge - Knockdown the Lockdown	TCS ION	05-07-2020
54	Akhila Vangaveeti	Programming for everybody (getting started with python)	Coursera	17-06-2020
		Knock down the Lock down (communication skills)	Career Edge (TCSION)	29-06-2020



## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
55	Basinepalli Nikhitha	Career Edge:Knowdown The Lockdown	TCS	22-05-2020
		Programming Fundamentals	Coursera	10-05-2020
		HTML5	Coursera	13-05-2020
56	Dachepally Nikhil	Python	Coursera	26-05-2020
		Machine Learning	Coursera	04-05-2020
		ISB EEP Program	ISB	09-04-2020
		Knowdown The Lockdown	TCS	26-05-2020
		COVIDETHON	BVRIT	23-05-2020
57	D Naga Manveet	Knock Down the Lock Down	TCS	21-04-2020
		Neural Networks and Deep Learning	COURSERA	05-09-2020
58	Minukuri Sreeya Reddy	Career Edge:Know down The Lockdown	TCS	21-05-2020
		Python 101 for Data Science	Smart Bridge	08-05-2020
		Machine Learning with Python & IBM Watson(Internship)	SmartBridge	30-04-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
59	N Keerthi	Programming for Everybody(Getting started with Python)	Coursera	18-04-2020
		Python Data structures	Coursera	18-04-2020
		Career Edge:Know down The Lockdown	TCS ION	21-05-2020
		HTML, CSS and JavaScript for Web Developers	Coursera	01-06-2020
		SQL for Data Science	Coursera	02-06-2020
		Introduction to HTML5	Coursera	27-05-2020
		Introduction To Web Development	Coursera	01-06-2020
60	Vallapula Akhila	Responsive Web Design	Coursera	30-04-2020
		Introduction To User Experience Design	Coursera	01-06-2020
		Introduction to Virtual Reality	Coursera	14-05-2020
		Python Bootcamp	UDEMY	07-04-2020
		Career Edge:Know down The Lockdown	TCS	22-05-2020
61	Bagirithi Bharath Reddy	Python programming for everybody	Coursera	27-05-2020

## Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
62	Chamarthi Sai Saran	Tcsion lockdown certification	TCS	21-05-2020
		HTML5	Coursera	26-04-2020
		Python programming for everybody	Coursera	01-05-2020
		Introduction to CSS3	Coursera	16-05-2020
		Interactivity with java script	Coursera	20-05-2020
		Capstone python	Coursera	10-05-2020
		Using python to access web data	Coursera	28-05-2020
		python data structures	Coursera	05-06-2020
63	Cherivella Harshavardhan	C Programming And Applications	Coursera	14-04-2020
		HTML, CSS, JavaScript For Web Development	Coursera	29-04-2020
		Basics In Python	Coursera	19-05-2020
		AI And ML Programming (Beginner)	Coursera	07-05-2020
		Java Programming And Applications	HSPM Solutions	17-06-2020
		TCS Ion Lockdown Certification	TCS ION	28-04-2020
		Data Base Management System	NPTEL	12-06-2020
		Python Data Structures	Coursera	12-06-2020
		Python For Web Data	Coursera	12-06-2020
		Python Basic	Coursera	12-06-2020
		Database With Python	Coursera	12-06-2020
		Problem Solving(Intermediate) Certificate	HackerRank	12-06-2020
		Python Programming	HackerRank	12-06-2020
64	Gummadi Sai Deepika	Tcsion lockdown certificate	TCSION	07-06-2020

# Student Certifications

S. No	Name of the student	Certification Obtained in Course	Organized by	Certified Date
65	Kodem Harikrishna	TCS ION Lockdown Certificate	TCSION	22-05-2020
		HTML, CSS and JavaScript	Coursera	07-05-2020
		python programming for everybody	Coursera	03-06-2020
		Data Structures using Python	Coursera	13-05-2020
		Python and Java Certification	UNSCHOOL	06-05-2020
		HTML5	Coursera	26-04-2020
66	MD Waseem Akram	TCSION lockdown Certificate	TCSION	22-05-2020
		Python programming for everybody	Coursera	07-05-2020
		Java certificate	Unschool	06-05-2020
		Database Oracle certificate	TASK	03-02-2020
		Python certificate	Unschool	06-05-2020
		Python certificate	Hacker rank	06-07-2020
67	Pappala Kiran	Infyq Certificate for system engineer	Infosys	06-03-2020
		Python certificate	Coursera	05-04-2020
		Python certificate	HackerRank	05-07-2020
		TCS ION lockdown certificate	TCS	16-06-2020
68	Sadiya Fatima	Tcsion lockdown certificate	TCSION	22-05-2020
		Python programming for everybody	Coursera	19-05-2020
		DBMS oracle certificate	TASK	06-02-2020
69	Sakilam Varsha	TCS ION lockdown, HTMLCSS and JavaScript, AR, Python,Cyber Security, C++	TCSION Coursera, HSPM solutions	19-06-2020
70	Varthya Suresh	Python certificate	hacker rank	06-07-2020
71	Vennakula Nithish Kumar	TCSlon lockdown certificate	TCS	25-05-2020
		Python for everybody	Coursera	07-05-2020
		Simple App in Android studio using Java	Coursera	27-05-2020
		Python programming	HackerRank	06-07-2020

# Faculty Publications

S. No.	Publication	Authors	Journal, ISSN, DOI	WOS / SCOPUS / UGC	Publication Date
1	Fostering Employability-Synergy between Industry and Academia	K Mamatha, S Neelima, KS Reddy	Journal of Engineering Education Transformations (JEET), ISSN: 2394-1707, Vol 33, Special Issue, 10.16920/jeet/2020/v33i0/150178	SCOPUS	January, 2020
2	Smart Attendance Notification System Using SMTP with Face Recognition	B. Pruthvi Raj Goud, S. Sravan Kumar	International Journal of Innovative Technology and Exploring Engineering (IJITEE); 9; 4;	-	February, 2020
3	Efficient Secure Authentication Protocol for 5G Enabled Internet of Things Network	K Praveen Kumar, T N S Padma, B Pruthvi Raj Goud	Journal of Engineering, Computing and Architecture(JECA) ISSN No:1934-7197 Vol:10 Issue:3 Pg no:327 -331	UGC	March, 2020
4	POA Apriori Algorithm and its Applications in Datamining	T. Ashalatha, N. Naga Lakshmi, Dr. A.Prashanth Rao	International Journal of Innovations in Engineering and Technology (IJJET)	-	May, 2020
5	Breast cancer detection by leveraging Machine Learning	Anji Reddy Vaka, BadalSoni, Sudheer Reddy K	ICT Express, Volume 6 No. 3, ISSN: 2405-9595, <a href="https://doi.org/10.1016/j.ict.2020.04.009">https://doi.org/10.1016/j.ict.2020.04.009</a>	SCI	May, 2020
6	Conceptual Design of Data Warehouse using Hybrid Methodology	G.Sekhar Reddy, Dr. Ch. Suneetha	International Journal of Advanced trends in Computer science and Engineering (IJATCSE) Vol:9 Issue:3	Scopus	June, 2020
7	UML-Based Data Warehouse design using Temporal Dimensional Modeling	G.Sekhar Reddy, Dr. Ch. Suneetha	International Journal of Security and Privacy in Pervasive Computing (IJSPPC) Vol 12 Issue:3	UGC Care List	Accepted
8	Analyzing and Optimizing the Web Usability of Website Access	Sathiyamoorthi, Jyapandian N, GnanaPragasi, O S.Kanmani, Raevathi, Dr. A.Prasanth Rao	International Journal of Web Portals (IJWP),Vol 12 and Issue 2	Scopus	Accepted

## Faculty attended FDPs

S.No	Name of the Faculty	Event Attended	Organized By	Date
1	G.L. Anand Babu	One-week FDP on PHP&MySQL	Dept. of CSE, JNTUH College of Engineering, Jagtial.	18/5/2020 To 23/5/2020
2	G.L.Anand Babu	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE & IT, BVRIT College of Engineering for Women, Hyderabad.	22/5/2020 To 26/5/2020
3	G.L.Anand Babu	5 Day National Level Online FDP on Artificial Intelligence	Dept. of Information Technology, SIR C.R.Reddy College of Engineering, West Godavari.	22/5/2020 To 26/5/2020
4	G.L.AnandBabu	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE, IT &MCA, Chaitanya Bharathi Institute of Technology (A), Hyderabad	22/5/2020 To 26/5/2020
5	G.L.AnandBabu	One week National Level Online FDP on Introduction to Artificial Intelligence and Machine Learning	Dept. of CSE, Geethanjali College of Engineering and Technology, Hyderabad	25/5/2020 To 30/5/2020
6	G.L.AnandBabu	One week National Level Online FDP on Ruby and Perl Programming	Dept. of CSE, St. Peter's Engineering College, Hyderabad	3/6/2020 To 8/6/2020
7	G.L.AnandBabu	5 Day National Level Online FDP on Internet of Things	Dept. of IT, Anurag University, Hyderabad	2/8/2020 To 6/6/2020
8	G.L.AnandBabu	5 Day National Level Online FDP on Advancement in Technologies –A Research Perspective	Dept. of IT, Anurag University, Hyderabad	26/5/2020 To 30/5/2020
9	G.L.AnandBabu	One week Online FDP on Recent Trends in Computing	Dept. of CSE, NallaMalla Reddy Engineering College, Hyderabad	5/6/2020 To 10/6/2020
10	G.L.AnandBabu	Three Day Workshop on Learning Path To Frontend Web and Mobile Application Development	SVR Engineering College, Kurnool	1/6/2020 To 3/6/2020
11	G.L.AnandBabu	Three Day Online National level Workshop on The Future Technology Stack- AI ,ML & NLP	Dept. of CSE, Sai Spoorthi Institute of Technology, Khammam	8/6/2020 To 10/6/2020
12	G.L.AnandBabu	Two Day Faculty Development Program on "Research Paper & Project Proposal Writing"	Dept. of Electrical and Electronics Engineering, SREE VIDYANIKETHAN ENGINEERING COLLEGE (A), Tirupati.	15/5/2020 To 16/5/2020
13	G.L.AnandBabu	Two Day Faculty Development Program on Machine Learning with MATLAB	Dept. of CSE, Malla Reddy Engineering College, Hyderabad	18/5/2020 To 19/5/2020
14	K Praveen Kumar	Two Day Faculty Development Program on "Microstrip Antennas for Advanced Wireless Networks"	Dept of ECE, Kallam Haranadha Reddy Institute of Technology Guntur	15/5/2020 To 16/05/2020
15	K Praveen Kumar	One week FDP on PHP&MySQL	Dept. of CSE, JNTUH College of Engineering, Jagtial.	18/5/2020 To 23/5/2020



## Faculty attended FDPs

S.No	Name of the Faculty	Event Attended	Organized By	Date
16	K Praveen Kumar	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad	21/05/2022
17	K Praveen Kumar	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE & IT, BVRIT College of Engineering for Women, Hyderabad.	22/5/2020 To 26/5/2020
18	K Praveen Kumar	5 Day National Level Online FDP on Artificial Intelligence	Dept. of Information Technology, SIR C.R.Reddy College of Engineering, West Godavari.	22/5/2020 To 26/5/2020
19	K Praveen Kumar	One Week Faculty Development Program on " Covid Challenges for sustainable Development"	Dept.of HS, Dr M G R E R(Deemed to be University), Chennai	19/05/2020 To 23/05/2020
20	K Praveen Kumar	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT,Anurag University Hyderabad	26/05/2020 To 30/5/2020
21	K Praveen Kumar	Two Day Faculty Development Program on "Virtual Teaching"	Dept.of HS, Dr M G R E R(Deemed to be University), Chennai	29/05/2020 To 30-05-2020
22	K Praveen Kumar	Three Day Workshop on" Web and Mobile application Development"	SVR Engineering College ,Kurnool	01/06/2020 To 03/06/2020
23	Niteesha Sharma	One Week Faculty Development Program on "Latex"	Sanjay GhodawatUniversity, Kolhapur in association with Spoken Tutorial Project-IIT Bombay	27/04/20 To 02/05/2020
24	Niteesha Sharma	One Week Faculty Development Program on Machine Learning with R	Department of CSE, QIS college of Engineering and Technology	11/05/2020 To 16/05/2020
25	Niteesha Sharma	One Week Faculty Development Program on "Big Data Tools"	Department of CSE and IT, St.Martins Engineering College	18/05/2020 To 23/05/2020
26	Niteesha Sharma	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT,Anurag University Hyderabad	26/05/2020 To 30/5/2020
27	G.Sekhar Reddy	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE & IT, BVRIT College of Engineering for Women, Hyderabad.	22/5/2020 To 26/5/2020
28	G.Sekhar Reddy	5 Day National Level Online FDP on Artificial Intelligence	Dept. of Information Technology, SIR C.R.Reddy College of Engineering, West Godavari.	22/5/2020 To 26/5/2020
29	G.Sekhar Reddy	Two Day Faculty Development Program on "Research Paper & Project Proposal Writing"	Dept. of Electrical and Electronics Engineering, SREE VIDYANIKETHAN ENGINEERING COLLEGE (A), Tirupati.	15/5/2020 To 16/5/2020
30	G.Sekhar Reddy	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad	21/05/2020

## Faculty attended FDPs

S.No	Name of the Faculty	Event Attended	Organized By	Date
31	G.Sekhar Reddy	A Three day workshop on learning path to frontend web mobile application development	SVR Engineering college, Nandyal, Kurnool.	1/6/2020 To 3/6/2020
32	G.Sekhar Reddy	Two Day Faculty Development Program on "Microstrip Antennas for Advanced Wireless Networks"	Dept of ECE, KallamHaranadha Reddy Institute of Technology , Guntur	15/5/2020 To 16/05/2020
33	G.Sekhar Reddy	Two Day Faculty Development Program on "Virtual Teaching"	Dept.of HS, Dr M G R E R (Deemed to be University), Chennai	29/05/2020 To 30-05-2020
34	G.Sekhar Reddy	Three day online faculty development program on IOT	Dept of CSE, Anurag university, Hyderabad	29/05/2020 To 30-05-2020
35	G.Sekhar Reddy	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
36	A.Sriram	5 Day Faculty Development Program on IOT	Dept of IT, Anurag University Hyderabad	2/06/2020 TO 06-06-2020
37	A.Sriram	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
38	A.Sriram	Two Day Faculty Development Program on "Microstrip Antennas for Advanced Wireless Networks"	Dept of ECE, KallamHaranadha Reddy Institute of Technology, Guntur.	15/5/2020 To 16/05/2020
39	A.Sriram	A Three-day workshop on learning path to frontend web mobile application development	SVR Engineering college, Nandyal, Kurnool.	1/6/2020 TO 03-06-2020
40	B. Ravi Raju	5 Day Faculty Development Program on IOT	Dept of IT, Anurag University Hyderabad	2/06/2020 TO 06-06-2020
41	B.Ravi Raju	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
42	B.Ravi Raju	5 Day Faculty Development Program on "Advanced Python Programming Using Django"	Dept of CSE, Malineni Lakshmaiah Women's Engineering College, Guntur	21/05/2020 To 25/05/2020
43	B.Ravi Raju	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad	21-05-2020
44	N. Nagalakshmi	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad	21-05-2020
45	N. Nagalakshmi	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE & IT, BVRIT College of Engineering for Women, Hyderabad.	22/5/2020 To 26/5/2020

## Faculty attended FDPs

S.No	Name of the Faculty	Event Attended	Organized By	Date
46	N. Nagalakshmi	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
47	N. Nagalakshmi	5 Day Faculty Development Program on "Internet Of Things"	Dept of IT, Anurag University Hyderabad	2/06/2020 TO 06-06-2020
48	N. Nagalakshmi	1 Day Microsoft Educator Program	Microsoft	09-06-2020
49	S. Sravan Kumar	5 Day National Level Online FDP on Artificial Intelligence	Dept. of CSE & IT, BVRIT College of Engineering for Women, Hyderabad.	22/5/2020 To 26/5/2020
50	S. Sravan Kumar	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
51	S. Sravan Kumar	5 Day Faculty Development Program on "Internet Of Things"	Dept of IT, Anurag University Hyderabad	2/06/2020 TO 06-06-2020
52	S. Sravan Kumar	Teach from Home Using Google Classroom	Anurag Teaching Learning Centre(ATLC)	26-05-2020
53	V. Lalitha Lavanya	One Week Faculty Development Program on "Latex"	Sanjay Ghodawat University, Kolhapur in association with Spoken Tutorial Project-IIT Bombay	27/04/20 To 02/05/2020
54	V. Lalitha Lavanya	One Week Faculty Development Program on "PHP & MySQL"	Dept. of CSE, JNTUH College of Engineering, Jagtial.	18/5/2020 To 23/5/2020
55	V. Lalitha Lavanya	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
56	Dr A Prasanth Rao	5 Day Faculty Development Program on Internet of Things for Emerging Applications	KITS, Warangal	10/05/2020 To 14/05/2020
57	Mrs. T . Asha Latha	One Week Faculty Development Program on "PHP & MySQL"	Dept. of CSE, JNTUH College of Engineering, Jagtial.	18/5/2020 To 23/5/2020

## Faculty attended FDPs

S.No	Name of the Faculty	Event Attended	Organized By	Date
58	Mrs. T . Asha Latha	One Week Faculty Development Program on "Big Data Tools"	Department of CSE and IT, St.Martins Engineering College	18/05/2020 to 23/05/2020
59	Mrs. T . Asha Latha	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad	21-05-2020
60	Mrs. T. Asha Latha	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT, Anurag University Hyderabad	26/05/2020 To 30/5/2020
61	Mrs. T Asha Latha	5 Day Faculty Development Program on IOT	Dept of IT, Anurag University Hyderabad	2/06/2020 TO 06-06-2020
62	Mrs. T Asha Latha	One Week Faculty Development Program on Latex,R Programming and Python	Dept. of CSE,GURU NANAK UNIVERSITY ,Hyderabad and IIT SPOKEN TUTORIAL BOMBAY	25/5/2020 TO 30/5/2020
63	Mr. B. PruthviRaj Goud	One week FDP on PHP&MySQL	Dept. of CSE, JNTUH College of Engineering, Jagtial.	18/5/2020 To 23/5/2020
64	Mr. B. PruthviRaj Goud	5 Day Faculty Development Program on "Advancement in Technologies-A Research Perspective"	Dept of IT,Anurag University Hyderabad	26/05/2020 To 30/5/2020
65	Mr. B. PruthviRaj Goud	Two Day Faculty Development Program on "Microstrip Antennas for Advanced Wireless Networks"	Dept of ECE, KallamHaranadha Reddy Institute of Technology ,Guntur	15/5/2020 To 16/05/2020
66	Mr. B. PruthviRaj Goud	One Week Faculty Development Program on "Mastering the Art of Handling Post Covid Challenges for Sustainable Development"	Dept.of HS, Dr M G R E R(Deemed to be University), Chennai	19/05/2020 To 23/05/2020
67	Mr. B. PruthviRaj Goud	5 Day Faculty Development Program on "Internet of Things (IOT)"	Dept of IT,Anurag University Hyderabad	26/05/2020 To 30/5/2020
68	Mr. B. PruthviRaj Goud	One Day Faculty Development Program on "Cyber Forensics"	Swami Vivekananda Institute of Technology, Secunderabad.	21-05-2020

## Faculty Certifications

S.No	Name of the Faculty	Certification Obtained in Course	Organized By	Date
1	Mrs. N. Nagalakshmi	The Data Scientist's Tool Kit	Johns Hopkins University, Coursera	27-04-2020
2	Mrs. N. Nagalakshmi	Data Science Math Skills	Duke University, Coursera	17-05-2020
3	Mrs. N. Nagalakshmi	Introduction to Big Data	University of California, Coursera	02-06-2020
4	Mrs. N. Nagalakshmi	Machine Learning with Big Data	University of California San Diego, Coursera	23-06-2020
5	Mr.G.L.AnandBabu	Production Machine Learning Systems	Google Cloud, Coursera	27-04-2020
6	Mr.G.L.AnandBabu	Using Databases with Python	University of Michigan, Coursera	06-05-2020
7	Mr.G.L.AnandBabu	Introduction to Big Data	University of California San Diego, Coursera	08-05-2020
8	Mr.G.L.AnandBabu	Software Testing	NPTEL	16-06-2020
9	Mr. S. Sravan Kumar	Linux Server Management and Security	Coursera(University of Colorado System)	23-06-2020
10	Mr. S. Sravan Kumar	Networking and Security Architecture with VMware NSX	Coursera(VMware)	16-05-2020
11	Mr. S. Sravan Kumar	Java Programming Basics	St. Peters Engineering College, Hyderabad	20-05-2020
12	Mr. S. Sravan Kumar	Flipped instruction PowerPoint recorder	Microsoft Educator Center	09-06-2020
13	Mr. S. Sravan Kumar	Python Basics	AAR Mahaveer Engineering College	11-06-2020
14	Mr. S. Sravan Kumar	Data Structures using C	kakatiya Institute of Technology & Science	18-06-2020
15	Mrs. T. Asha Latha	Using Databases With Python	University of Michigan	24-04-2020
16	Mrs. T. Asha Latha	Introduction to Bigdata	University of California San Diego	30-04-2020
17	Mrs. T. Asha Latha	Python Programming Essentials	Rice University	17-05-2020
18	Mrs. T. Asha Latha	Programming for Everybody	University of Michigan	19-05-2020

## Faculty Certifications

S.No	Name of the Faculty	Certification Obtained in Course	Organized By	Date
19	Mrs. T. Asha Latha	Python Data Structures	University of Michigan	28-05-2020
20	Ms. V Lalitha Lavanya	Using Databases With Python	University of Michigan	21-04-2020
21	Ms. V Lalitha Lavanya	Introduction to Big Data	University of California San Diego	30-04-2020
22	Ms. V Lalitha Lavanya	Exploratory Data Analysis	Johns Hopkins University	05-05-2020
23	Ms. V Lalitha Lavanya	Python Programmings Essentials	Rice University	16-05-2020
24	Ms. V Lalitha Lavanya	Programming for Everybody	University of Michigan	17-05-2020
25	Ms. V Lalitha Lavanya	Python Data Structures	University of Michigan	19-05-2020
26	Ms. V Lalitha Lavanya	Capstone: Retrieving, Processing and Visualising Data with Python	University of Michigan	29-05-2020
27	Ms. V Lalitha Lavanya	Introduction to HTML5	University of Michigan	14-06-2020
28	Ms. V Lalitha Lavanya	Using Python to Access Web Data	University of Michigan	15-06-2020
29	Ms. V Lalitha Lavanya	Python Basics	University of Michigan	20-06-2020
30	Ms V LalithaLavany	Programming, Data Structures and Algorithms using Python	NPTEL	11-05-2020
31	Mrs. Niteesha Sharma	Programming, Data Structures and Algorithms using Python	NPTEL	11-05-2020
32	Mrs. Niteesha Sharma	Using Databases With Python	University of Michigan	24-04-2020
33	Mrs. Niteesha Sharma	Introduction to Big Data	University of California San Diego	30-04-2020
34	Mrs. Niteesha Sharma	Exploratory Data Analysis	Johns Hopkins University	03-05-2020
35	Mrs. Niteesha Sharma	Python Programming Essentials	Rice University	18-05-2020
36	Mrs. Niteesha Sharma	Python Data Structures	University of Michigan	22-05-2020
37	Mrs. Niteesha Sharma	Programming for Everybody	University of Michigan	28-05-2020
38	Mr. G.Sekhar Reddy	Using Databases With Python	University of Michigan	29-04-2020
39	Mr. G.Sekhar Reddy	Introduction to Big Data	UcsanDiego	30-04-2020
40	Mr. G.Sekhar Reddy	The Data Scientist's Toolbox	Johns Hopkins University	29-04-2020
41	Mr. G.Sekhar Reddy	Software Testing	NPTEL	16-06-2020
42	Dr. D.LakshmiPadmaja	Introduction to Big Data	University of California San Diego	20-05-2020



## Faculty Certifications

S.No	Name of the Faculty	Certification Obtained in Course	Organized By	Date
43	Dr. D.LakshmiPadmaja	Data Science Math Skills	Duke University, Coursera	31-05-2020
44	Dr. D.LakshmiPadmaja	Software Testing	NPTEL	16-06-2020
45	Mr. B. PruthviRaj Goud	Programming for Everybody	University of Michigan	28-04-2020
46	Mr. B. PruthviRaj Goud	Python Data Structures	University of Michigan	30-04-2020
47	Mr. B. PruthviRaj Goud	Using Databases with Python	University of Michigan	15-05-2020
48	Mr. B. PruthviRaj Goud	The Data Scientist's Toolbox	Johns Hopkins University, Coursera	21-04-2020
49	Mr. B. PruthviRaj Goud	Introduction to TensorFlow for AI, ML and DL	deeplearning.ai	16-06-2020
50	Mr. B. PruthviRaj Goud	Python Classes and Inheritance	University of Michigan	16-06-2020
51	Mr.B.Ravi Raju	Essential Google Cloud Infrastructure:Foundation	Google Cloud	09-04-2020
52	Mr.B.Ravi Raju	Introduction to Bigdata	University of California San Diego	08-05-2020
53	Mr.B.Ravi Raju	Using Databases with Python	University of Michigan	08-05-2020
54	Mr.B.Ravi Raju	AWSCloud Ambassador	AWSEdurate	14-03-2020
55	Mr.B.Ravi Raju	Software Testing	NPTEL	19-03-2020
56	Mr.K.Praveen Kumar	Software Defined Networking	University of Chicago , Coursera	27-04-2020
57	Mr.K.Praveen Kumar	The Data Scientist's Toolbox	Johns Hopkins University, Coursera	29-04-2020
58	Mr.K.Praveen Kumar	Machine Learning for All	University of London, Coursera	04-05-2020
59	Mr.K.Praveen Kumar	Architecting Smart IoT Devices	EIT Digital and offered through Coursera	11-06-2020
60	Mr. A. Sriram	The Data Scientists Toolbox	Coursera	17-06-2020
61	Mr. A. Sriram	Artificial Intelligence in Neurology	VELS Institute & Technology	05-06-2020
62	Mr. A. Sriram	Learning Path to Frontend Web & Mobile Application Development	SVR Engineering College	03-06-2020
63	Mr. A. Sriram	PHP	Malla Reddy Institute of Engineering & Technology	21-05-2020
64	Mr. A. Sriram	Java Language	St. Peters Engineering College	19-05-2020

## Online Faculty Development Programs Conducted

S. No	Name of the Faculty Coordinator	Workshop / FDP Name	Date of Workshop / FDP
1	Dr. A. Prashanth Rao, Dr. D. L. Padmaja	Five day FDP on Advancement in Technologies- A Research Perspective	26 <sup>th</sup> May 2020 to 30 <sup>th</sup> May 2020
2	Mr. G. Sekhar Reddy, Mr. B. Ravi Raju	Five day FDP on Internet of Things	2 <sup>nd</sup> June 2020 to 6 <sup>th</sup> June 2020

## Faculty Development Program on

## Advancement in Technologies - A Research Perspective

### Overview

The Department of Information Technology has organized a faculty development program (FDP) on Advancement in Technologies - A Research Perspective during 26th– 30thMay 2020 through online mode. The FDP aims to share the experience and learning methodology with the participants to enable them effectively learn, teach and apply.

### Objectives

The objective of the FDP was to enable to faculty members on latest thrust areas and further to engage them on the ongoing pandemic. The other objective is to enable them greater effectiveness, develop self-confidence and creation of products/solutions and apply advancements in technologies.

### Key highlights

- \* Live demonstrations and discussion with the help of case studies
- \* Different perspectives in the field of research
- \* The impact and effectiveness of online faculty development program in fostering the faculty's knowledge, skills, and professional competence

### Participants

There was an active participation of 96participants for the FDP. 16 participants were from outside states, whereas 80 were from Telangana state. It is found that a lot of enthusiasm was seen in the 18 doctorate faculty members who were engaged very actively throughout the program.

S. No.	Item	Count
1	Total Participants	96
2	Participants from the other Institutions within state	64
3	Participants from the Host Institutions	16
4	Participants from Outside State	16
5	Doctorates	18

### Program Schedule and Inauguration

**Time : 10:00 AM to 11:30 AM**

Day	Date	Session	Speaker
Day 1	(26-05-2020)	Digital Enterprise Architecture	Mr. Vidyasagar Uddagiri
Day 2	(27-05-2020)	Machine Learning and its Applications	Dr. Atul Negi
Day 3	(28-05-2020)	Significance of Data Science and applications	Dr. Durga Bhavani
Day 4	(29-05-2020)	IOT andits Applications	Dr. U S Reddy & Dr. G. Manju Bhargavi
Day 5	(30-05-2020)	Block Chain and its Applications	Mr. Raja Sekhar

## Day wise Proceedings

### Day 1: 26<sup>th</sup> May, 2020

The event was inaugurated by Mr. Vidyasagar Uddagiri, Enterprise Architect and Technology Practice Leader, Automotive and Industrial Unit-MFGU Business Group, TCS Limited, Dr. K. S. Reddy, HOD, Anurag Group of Institutions, Dr. A. Prashanth Rao, Dr. D. Lakshmi Padmaja, Program Coordinators and other senior faculty of the Department were joined in online.

Mr. Vidyasagar Uddagiri has delivered the keynote address wherein he set the context for the Digital Enterprise Architecture. He has given an overview of the subject and current day applications. Further, he deliberated on Enterprise Architecture in the current arena and its importance. This was followed by an interactive and lengthy question and answer session



### Day 2: 27<sup>th</sup> May, 2020

The speaker was Dr. Atul Negi, Professor, School of computer and information sciences, University of Hyderabad. He holds Ph.D. and MSc (Engg.) degrees from University of Hyderabad and IISc, Bangalore, India, respectively. He graduated with distinction in Electronics and Communication Engineering from Osmania University, Hyderabad, India in 1986.

He has given an extempore lecture on the topic "A Review of AI & ML Applications for computing systems".



## Faculty Development Program on

# Advancement in Technologies - A Research Perspective

### Day wise Proceedings

#### Day 3: 28<sup>th</sup> May, 2020

Dr S Durga Bhavani, Associate Professor, Department of CSE, Hyderabad Central University has completed her Ph.D from University of Hyderabad. She has over 25 years of teaching and research experience and her research interests are in theory of machine learning, Distributed Computing, Software Engineering Business Process Re-engineering and Mobile Computing. She is an author of 32 plus papers which are published in national as well as international journals and conferences.

Dr. S. Durga Bhavani has delivered session on Significance of Data Science and Applications.



#### Day 4: 29<sup>th</sup> May, 2020

Dr. Srinivasulu Reddy, Assistant Professor, Department of Computer Applications, National Institute of Technology, Tiruchirappalli has delivered a lecture on Applications of IoT with Cyber Physical System.

Dr. G. Manju Bhargavi, National Post-Doctoral Fellow, Department of Physics, National Institute of Technology, Tiruchirappalli has outlined on Applications of IoT with Cyber Physical System

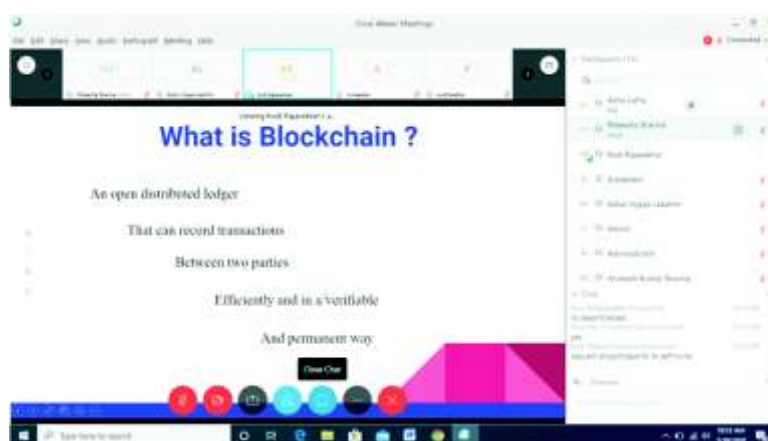


## Day wise Proceedings

**Day 5: 30<sup>th</sup> May, 2020**

Mr. Rajasekhar Kodi, Blockchain Consultant is a Full Stack Blockchain developer with 8+ years of experience in research and development, working as a project lead for banking domain project at Tech Mahindra and has technical expertise Ethereum, Hyperledger, IOTA, MEAN stack, Dotnet, REST Full API, SPA. He is passionate towards teaching and mentoring for new age cutting edge technologies.

Mr. Rajasekhar Kodi, Blockchain Consultant has delivered a session on the Block chain and explained Centralized vs Decentralized Architectures followed by hands-on session.



## Outcomes of the FDP

At the end of this program, the participants were:

- \* Able to enhance skills in the latest technology
- \* Apply a variety of learning algorithms to develop applications
- \* Able to integrate the different platforms for better future.
- \* Able to deep dive into a research-oriented Ocean

## Feedback

**Structured feedback received through formal feedback capturing mechanism**

All the participants appreciated for smooth conducting of online program. It is mentioned by the participants that they acquired very good knowledge through this FDP program.

S. No	Resource Person	Topic	Feedback Rating (on a Scale 4)
1	Mr. Vidyasagar Uddagiri	Digital Enterprise Architecture	3.45
2	Dr. Atul Negi	Machine Learning and its Applications	3.68
3	Dr. Durga Bhavani	Significance of Data Science and applications	3.6
4	Dr. U S Reddy & Dr. G. Manju Bhargavi	IOT and its Applications	3.55
5	Mr. Raja Sekhar	Block Chain and its Applications	3.66

## Thanks Note

The Organizing Team would like to thank the Department of IT, the Management, Academic Leadership, Faculty members and support staff at the Anurag University for their support in organizing the program and participants and their college Managements for being part of the program.



### Overview

The Department of Information Technology has organized a faculty development program (FDP) on Internet of Things during 2nd– 6th June 2020 through online mode. The FDP aims to share the experience and learning methodology with the participants to enable them effectively learn, teach and apply. Internet of Things (IoT) refers to the rapidly growing network of connected objects that are able to collect and exchange data using embedded sensors. Thermostats, cars, lights, refrigerators, and more appliances can all be connected to the IoT.

### Objectives

The objective of the FDP was to enable the faculty members on latest thrust areas and further to engage them on the ongoing pandemic. The other objectives include:

- a) To train faculty members with practical skills so that more and more Internet of Things (IOT) experts can be shaped every year
- b) It is expected that the “Train the Trainers” approach shall percolate to the students in colleges and make them suitable to take up the challenges in the domain of IoT which is the need of this decade and it improves their employability enhancing campus placement. In addition, IoT courses will help in start-ups and employment opportunities
- c) The faculty shall be also trained specifically as knowledge creator with strong practical skills and theoretical skills

### Key highlights

- \* Live Demonstrations and discussion of projects which are in deployment
- \* Different perspectives in the field of IoT, namely academic and business
- \* The impact and effectiveness of online faculty development program in fostering the faculty's knowledge, skills, and professional competence

### Participants

There were a total of 217 participants registered for the FDP. 95 participants were from outside states, whereas 122 were from Telangana state. It is found that a lot of enthusiasm was seen in the 42 doctorate faculty members who were engaged very actively throughout the program. There were about 40% women participants participated in the program.

## Program Schedule and Inauguration

Day	Date	Time	Session	Speaker
Day 1	02-06-2020	10:30 to 12:00	Introduction to IOT Technologies, Future trends, challenges and Applications.	Dr. U. Srinivasulu Reddy, NIT, Trichy
Day 2	03-06-2020	10:30 to 12:00	Getting Started with IOT devices and sensor interfacing.	Dr. G. N.V Ramana Rao, Group Manager, Industrial and Engineering Services, WIPRO Ltd.,
Day 3	04-06-2020	10:30 to 12:00	Working with MQTT Protocols demonstration and Hands on	Mr. R. Jishnu, Project Engineer, Pantech Solutions
Day 4	05-06-2020	10:30 to 12:00	IOT and Covid-19	Mr. Satish Rao, Founder of IOT Users club, Oracle India
Day 5	06-06-2020	10:30 to 12:00	Introduction to GPIO Programming, UART Programming, ADC/DAC Interfacing	Dr. A. Prashanth Rao, Professor, Anurag University.

## Day wise Proceedings

### Day 1: 02/06/2020

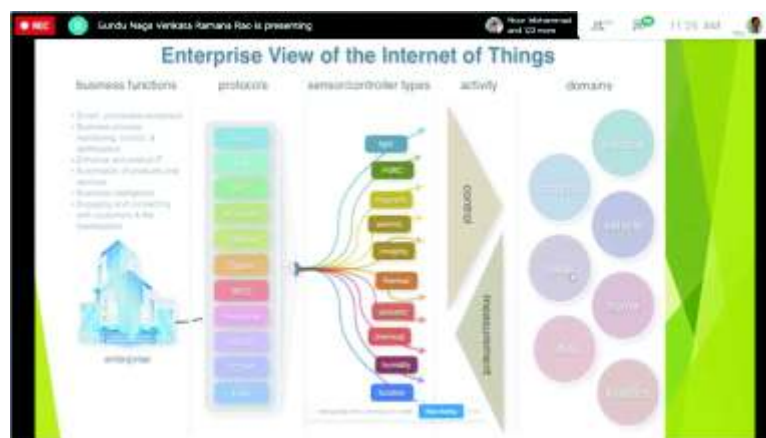
Dr. U Srinivasulu Reddy, (from NIT Trichy) has delivered a session on IOT technologies, and its future trends. The session started with getting to know on what IoT is and how it works. An example of IoT is examined by looking at the sensors in smartphones. The potential of wearable technologies revolutionizing the world is quantified and was explained. An insight into the depth/dimensions of IoT as a field is given. A big picture is portrayed where IoT works as a part of multiple systems in action. A few suitable machine learning algorithms were also discussed. The session has concluded by addressing some challenges in using IoT such as Data Security.



### Day wise Proceedings

#### Day 2 : 03/06/2020

Dr. G.N.V. Ramana Rao, (Group Manager, Industrial and Engineering Services (I&ES) WIPRO LTD) has conducted a session on IoT devices and their interfacing to sensors. The session began with research perspective across the globe in the field of IoT and moved on to discuss the concentration of business in the same field. An industrial/business-oriented view of sensors and hardware devices is given. Along with the hardware, the networking protocols of these devices are also discussed as it plays an important role in their operation. Some of the critical topics such as the requirement of IPv6 in IoT and remote programming of nodes (OTAP – Over The Air Programming) are discussed at length.



#### Day 3: 04/06/2020

Mr. R. Jishnu (Project Engineer from Pantech Solutions) has taken an academic oriented session on IoT protocols with specific emphasis on MQTT (Machine Queue Telemetry Transport) protocol. The session began with the history and evolution of MQTT protocol and has given the current day definition of it. During the discussion of this protocol, several underlying protocols such as TCP and UDP were discussed. A thorough explanation about the protocol along with an appropriate example was given. In this example, cloud architecture and its interaction with the protocol is explained. This example branched off into discussions of using alternate protocols such as IEEE 802.3 (Ethernet based protocol) and IEEE 802.11 (Wi-Fi based protocol). There was also a discussion of using some hardware that supported these protocols such as Arduino, Raspberry Pi.

#### Day 4: 05/06/2020

Mr. Satish Rao (Founder of IoT Users Club) has delivered a session on impact of IoT on global phenomenon especially focusing on the Covid-19 pandemic. He has discussed the robust use cases of sensors and hardware which prevent human contact with potentially infected patients. A strong example which revolutionized IoT, during the pandemic, is the use of infrared guns instead of thermometer and the advantages of having a network of these operating at a place to screen people. Since there is a delay in the onset of symptoms, IoT through wearable technology would help the healthcare industry in better monitoring of the quarantined patients. Along with NFC and other short-range communication protocols, extremely tough procedures such as contact tracing can be implemented effectively.

## Day wise Proceedings



### Day 5: 06/06/2020

Dr. A Prasanth Rao, Sr. Professor has taken a session on Introduction to GPIO Programming, UART Programming, ADC/DAC Interfacing. He has started the session by discussing the requirement of GPIO pins and its usage in IoT devices like Arduino and ESP-8266. He continued to examine the different protocols developed which use these pins. UART protocols have been discussed at length with the help of a digital simulation on Tinker card platform.



## Outcomes of the FDP

The resource persons have extensively discussed the need and use of IoT in the current and future markets. The ubiquity of wearable technology and the availability of machine learning tools were looked into. This has enlightened the participants on the gravity and the potential market in the field of IoT.

As a result of this FDP, the participants were able to learn about the installation of Arduino IDE, basic programming for Arduino, various communication protocols (like MQTT and UART) and the usage of different types of sensors. The participants were also informed about the existence of digital board simulation software like tinkercard.com. Participants were encouraged to explore in the direction of creating small circuits which can be tested in this software.

**Feedback**

S. No	Resource Person	Topic	Feedback Rating (on a Scale 4)
1	Dr. U. Srinivasulu Reddy	Introduction to IOT Technologies: Future Trends, Challenges & Applications	3.28
2	Dr. G. N. V. Ramana Rao	Getting Started with IOT devices and sensor Interfacing	3.41
3	Mr. R. Jishnu	Working with MQTT Protocols Demonstration and Hands On	3.42
4	Mr. Satish Rao	IOT and COVID-19	3.48
5	Dr. A. Prashanth Rao	Introduction to GPIO Programming, UART Programming, ADC/DAC Interfacing	3.46

**Structured feedback received through formal feedback capturing mechanism**

All the participants appreciated for smooth conducting of online program. It is mentioned by the participants that they acquired very good knowledge through this FDP program.

**Thanks Note**

The Organizing Team would like to thank the Department of IT, the Management, Academic Leadership, Faculty members and support staff at the Anurag University for their support in organizing the program and participants and their college Managements for being part of the program.

## Student Training Programs



- © II & III B. Tech students of I Semester attended Training Program on “C Programming”.
- © III B. Tech II Semester students attended Training Program on “Data Structures”.
- © III B. Tech II Semester students attended Training Program on “Python Programming” from 6<sup>th</sup> January to 10<sup>th</sup> January 2020.
- © 100 Students from III year participated and were trained on Oracle Database Programming with SQL by Oracle organized under TASK from 10<sup>th</sup> to 12<sup>th</sup> December 2019.
- © III B. Tech II Semester students attended Training Program on “Python Programming” from 6<sup>th</sup> January to 10<sup>th</sup> January 2020.

## Clubs

Clubs are constituted for promoting students for overall development i.e personal proving skills, presentation skills, articulation skills, communication ability, and technical savvy and collaborate with teams etc. In order to promote all these we have created Android Club, in which students are trained on Android OS and develop Android applications and various professional chapters like Computer Society of India (CSI), Indian Society for Technical Education (ISTE), Institute of Electrical and Electronics Engineers (IEEE) and Association for Computing Machinery (ACM) under which various workshops, seminars and guest lectures on latest technologies are organized like workshop on Android App development, Guest lecture on Artificial Intelligence etc.

## Institute of Electrical and Electronics Engineers (IEEE)

**Faculty Coordinator: Mr. G. L. Anand Babu, Assoc. Prof, Dept. of IT**

**Student Coordinators:**

Role	Student Name	Roll No	Email id
President	M. Aravind	16H61A1227	16H61A1227@cvsr.ac.in
Vice-President	M. RishiNivas	17H61A1287	17H61A1287@cvsr.ac.in
Secretary	G.. Sujith	18H61A1255	18H61A1255@cvsr.ac.in
Member	K. Chinmayee	18H61A1289	18H61A1289@cvsr.ac.in

## Indian Society for Technical Education (ISTE)

**Faculty Coordinator: Dr. D. L. Padmaja, Assoc. Prof, Dept. of IT**

**Student Coordinators:**

Role	Student Name	Roll No	Email id
President	M. Vamshidhar	16H61A1236	16H61A1236@cvsr.ac.in
Vice-President	Harshitha	17H61A12A8	17H61A12A8@cvsr.ac.in
Secretary	M. Spoorthy	18H61A1299	18H61A1299@cvsr.ac.in
Member	Mrunalini	18H61A1219	18H61A1219@cvsr.ac.in

## Computer Society of India (CSI)

**Faculty Coordinator: Mrs. Niteesha Sharma, Asst. Prof, Dept. of IT**

**Student Coordinators:**

Role	Student Name	Roll No	Email id
President	Mohith.T	16H61A1249	16H61A1249@cvsr.ac.in
Vice-President	R. Sri Durga	17H61A1241	17H61A1241@cvsr.ac.in
Secretary	Shivani. B	18H61A1267	18H61A1267@cvsr.ac.in
Member	P. Sravya	18H61A1238	18H61A1238@cvsr.ac.in

## Android Club

**Faculty Coordinator: Mr. G. L. Anand Babu, Assoc. Prof, Dept. of IT**

**Student Coordinators:**

Role	Student Name	Roll No	Email id
President	B. Anirudh	17H61A1251	17H61A1251@cvsr.ac.in
Vice-President	D. Nikhil	17H61A1209	17H61A1209@cvsr.ac.in
Secretary	K. V. N. Mrinalini	18H61A1219	18H61A1219@cvsr.ac.in
Member	V. Akhila	17H61A1252	17H61A1252@cvsr.ac.in



## Placements

81 students (Batch:2016-20) got selected in various companies like Capgemini, TCS, Infosys, IBM, Wipro, Value labs, NCR,CTS, TA Digital and other companies. Total offers are 132.  
Highest Salary Package: 7 Lacs per Annum.

S. No	H. T.No	Name of the Student	Company
1	16H61A1203	A Vishal Chandra	Paytm
2	16H61A1204	Ankam Sai Priya	HGS
3	16H61A1204	Ankam Sai Priya	Sutherland
4	16H61A1205	Ashala Sushma	HGS
5	16H61A1205	Ashala Sushma	Wings
6	16H61A1206	Bedamsetty Akash	Capgemini
7	16H61A1206	Bedamsetty Akash	Infosys
8	16H61A1207	Boddu Akhila	IBM
9	16H61A1208	Bojja Himavarsha	Capgemini
10	16H61A1210	Chevula Dilip Reddy	Capgemini
11	16H61A1212	Chilkuri Manish	Capgemini
12	16H61A1213	D Prashanth Kumar	Capgemini
13	16H61A1214	Earlapati Sahithi	Capgemini
14	16H61A1215	Gadeela Koushik	TCS
15	16H61A1216	Gajavelly Naveen Sai	TCS
16	16H61A1217	Gangasani Harshitha	Capgemini
17	16H61A1219	K Anusha	HGS
18	16H61A1220	K Karthikeya Reddy	Capgemini
19	16H61A1220	K Karthikeya Reddy	TCS
20	16H61A1220	K Karthikeya Reddy	Value Labs
21	16H61A1220	K Karthikeya Reddy	NCR
22	16H61A1223	Kotikalapudi Monika	CTS
23	16H61A1224	Kurva Yashwanth Kumar	Capgemini
24	16H61A1224	Kurva Yashwanth Kumar	Infosys
25	16H61A1225	M S Rishab	Capgemini
26	16H61A1226	M Prathik Goud	Amazon
27	16H61A1226	M Prathik Goud	Paytm
28	16H61A1228	Molugu Aravind Kumar	Capgemini
29	16H61A1228	Molugu Aravind Kumar	TA Digital
30	16H61A1228	Molugu Aravind Kumar	Infosys
31	16H61A1228	Molugu Aravind Kumar	Wipro
32	16H61A1228	Molugu Aravind Kumar	NCR
33	16H61A1229	Mydam Sangeetha	Capgemini

## Placements

S. No	H. T.No	Name of the Student	Company
34	16H61A1231	N Sandesh Kumar	Paytm
35	16H61A1232	Pabbathi Archana	Capgemini
36	16H61A1236	Parupally Vamshidhar Reddy	Capgemini
37	16H61A1236	Parupally Vamshidhar Reddy	TCS
38	16H61A1236	Parupally Vamshidhar Reddy	Infosys
39	16H61A1237	Pasham Ranadheep Reddy	Capgemini
40	16H61A1237	Pasham Ranadheep Reddy	TCS
41	16H61A1238	Pashikanti Rohith Parjanya	Infosys
42	16H61A1239	Pendem Laxmi Chandana	Capgemini
43	16H61A1239	Pendem Laxmi Chandana	TCS
44	16H61A1240	Podili Sai Sravanthi	Capgemini
45	16H61A1241	R Shivani	Hexaware
46	16H61A1241	R Shivani	CTS
47	16H61A1241	R Shivani	Wipro
48	16H61A1247	A Suhas	Paytm
49	16H61A1248	Sushmitha Nekkalapudi	Wipro
50	16H61A1248	Sushmitha Nekkalapudi	Capgemini
51	16H61A1249	T Sai Mohith Naag	Capgemini
52	16H61A1249	T Sai Mohith Naag	TA Digital
53	16H61A1249	T Sai Mohith Naag	Wipro
54	16H61A1250	Tammali Sowjanya	Capgemini
55	16H61A1250	Tammali Sowjanya	Wipro
56	16H61A1250	Tammali Sowjanya	IBM
57	16H61A1251	T Sai Krishna	Paytm
58	16H61A1251	T Sai Krishna	CTS
59	16H61A1252	Thammali Archana	CGI
60	16H61A1253	L Vijay Saketh Reddy	Paytm
61	16H61A1254	Vangala Ravija	Control S
62	16H61A1255	Vanteru Rohith Reddy	Capgemini
63	16H61A1255	Vanteru Rohith Reddy	Infosys
64	16H61A1256	Vishwanatham Shashank	Capgemini
65	16H61A1256	Vishwanatham Shashank	NCR
66	16H61A1256	Vishwanatham Shashank	TCS

# Placements

S. No	H. T.No	Name of the Student	Company
67	16H61A1256	Vishwanatham Shashank	Wipro
68	16H61A1257	V Vyshnavi	HGS
69	16H61A1259	Yeshala Shravani	Capgemini
70	16H61A1259	Yeshala Shravani	TCS
71	16H61A1259	Yeshala Shravani	Infosys
72	16H61A1260	Kulkarni Vaishnavi	Capgemini
73	16H61A1260	Kulkarni Vaishnavi	TCS
74	16H61A1260	Kulkarni Vaishnavi	IBM
75	16H61A1261	Atloori Rachel Pratibah	CTS
76	16H61A1261	Atloori Rachel Pratibah	Infosys
77	16H61A1261	Atloori Rachel Pratibah	Mind Tree
78	16H61A1262	A Radha Krishna Preethi	IBM
79	16H61A1263	B Mahesh Babu	TCS
80	16H61A1266	Chinthakuntla Riddhi Reddy	Capgemini
81	16H61A1266	Chinthakuntla Riddhi Reddy	TCS
82	16H61A1267	Dudey Anusha	Amazon
83	16H61A1268	Erigela Vamshidhar Reddy	Capgemini
84	16H61A1269	Gaddam Nandini	CTS
85	16H61A1270	Gade Shreya Reddy	Capgemini
86	16H61A1273	G Rohan	Paytm
87	16H61A1275	Jale Divya	Control S
88	16H61A1276	Jilla Anusha	Capgemini
89	16H61A1277	K Sai Krishna Bhardwaza	TCS
90	16H61A1277	K Sai Krishna Bhardwaza	CTS
91	16H61A1278	Kadari Shirisha	CTS
92	16H61A1278	Kadari Shirisha	Infosys
93	16H61A1278	Kadari Shirisha	Wipro
94	16H61A1279	Kunta Manasa	Wipro
95	16H61A1279	Kunta Manasa	Infosys
96	16H61A1281	Mangalapalli Sai Krupa	Capgemini
97	16H61A1283	Manikonda Pranav Kumar	Capgemini
98	16H61A1284	Matta Akil Reddy	Capgemini
99	16H61A1288	Muddasani Krishitha	TCS
100	16H61A1288	Muddasani Krishitha	CTS

# Placements

S. No	H. T.No	Name of the Student	Company
101	16H61A1288	Muddasani Krishitha	Infosys
102	16H61A1289	Muskaan Surana	TCS
103	16H61A1290	N Pragnya Sri	Capgemini
104	16H61A1290	N Pragnya Sri	IBM
105	16H61A1291	Nallabolu Manikanth Reddy	Capgemini
106	16H61A1292	Narendula Tharun	Axix Bank
107	16H61A1292	Narendula Tharun	Signature ADV
108	16H61A1292	Narendula Tharun	HGS
109	16H61A1293	Nyalapatla Saiteja Reddy	TCS
110	16H61A1293	Nyalapatla Saiteja Reddy	Wipro
111	16H61A1295	Pentela Manoj Kumar	TCS
112	16H61A1298	Reddicherla Phalgunendra	Capgemini
113	16H61A1299	Rekkala Sailaja Reddy	Capgemini
114	16H61A12A1	Ritika Agarwal	Capgemini
115	16H61A12A1	Ritika Agarwal	TCS
116	16H61A12A2	Sadhu Lakshmi Shruti	TCS
117	16H61A12A3	Sagar Pal	Capgemini
118	16H61A12A3	Sagar Pal	TCS
119	16H61A12A3	Sagar Pal	Infosys
120	16H61A12A5	Sakshi Sharad Lanjewar	Capgemini
121	16H61A12A6	Sirisanagandla Ravi Teja	TCS
122	16H61A12A7	Srirangam Nikhil	Capgemini
123	16H61A12A7	Srirangam Nikhil	TCS
124	16H61A12A9	Tanugula Prashanth	Capgemini
125	16H61A12B0	Tejasree Peesari	Capgemini
126	16H61A12B1	Thakur Aarthi	Capgemini
127	16H61A12B1	Thakur Aarthi	TCS
128	16H61A12B3	Hitesh S	Prodevbase Technologies
129	16H61A12B5	Musham Varsha Bhavani	Capgemini
130	16H61A12B6	Vuleche Mani Shanker	CTS
131	16H61A12B6	Vuleche Mani Shanker	Just Dail
132	16H61A12B8	Yaski Sai Sree	Capgemini

## Student Testimonials



**Sangeetha Mydam**  
16H61A1229

I feel honored and blessed to be part of ANURAG, ANURAG made me what I am today. Four years at Anurag have been excellent and a memory to cherish for a lifetime. I am very much thankful to my Head of Department for his continuous inspiration which helped me to get placed in a reputed Mnc, Cap gemini. Guidance given by my lecturers helped me to pursue my dreams. With there constant help and support I have participated and organized various events at department level and College level made me ready to enter into corporate world.

THANKS ANURAG...

I am Molugu Aravind Kumar from the department of Information Technology, AGI. I got placed in NCR. My department gave me the support and confidence to grow both personally and professionally. As a result, my confidence is such that I can get placed in any company. The faculty members are helpful, open and supportive. I got various trainings starting from second year of B. Tech which helped me in cracking interviews. The campus is beautiful and full of limitless opportunities. I am thankful to department for providing a platform to enhance my skills.



**M Aravind Kumar**  
16H61A1228



**K Karthikeya Reddy**  
16H61A1220

The scheduled trainings, tests in second, third and fourth years conducted by our department helped me to focus on relevant skills for placements and improve my problem solving, analytic skills. The coding sessions and tests really invoked my competitive spirit, encouraged me to strive for more and most importantly landed me job offers with fair packages

When I first started at Anurag Group of Institutions, I was not sure about my abilities and was anxious about the difficulties faced till date. Vivas, presentations and speaking was never my thing but with the help of my all my faculty, department and fellow friends I could overcome my fear. There is something motivational and special in this environment which made me improve my coding skills and explore my talent as a photographer. I thank our faculty for their constant encouragement which pushed me to be better and creative in my projects which was appreciated during my placements and helped me bag jobs in top MNC's like TCS and Capgemini. Trust me, it's difficult to sum up the memories and experience of four years in few lines. Also, the journey isn't a piece of cake but it's all worth it.



**S. Nikhil**  
16H61A12A7

## Student Testimonials



**Sai Mohith Naag**  
16H61A1249

I have had the good fortune of spending some of my greatest time in the Department of Information Technology at Anurag Group of Institutions which is now Anurag University, thanks to the conscious effort of all the faculty and the students. The IT Department started off in the year of 2007 with an intake of just sixty students. I have the good fortune to share the experience of being in the tenth batch of the IT Department and it's first batch when it increased its intake from sixty students to one hundred and twenty students. It was also the year when Dr. K. Sudheer Reddy, an experienced software engineer was chosen to lead the IT Department at its Head. The varied experiences and the expertise of the faculty is the greatest reason the students of the IT Department had managed to create new records in terms of placements and packages, year-after-year. This was simultaneously supported by the management which provided all the required infrastructure in the labs along with the necessary resources and training personnel. I have had the good fortune of experiencing the personal touch of the department where the faculty is concerned about its students beyond mere academics. You can be sure to find support to go ahead with any sort of extracurricular activity which you believe can help you grow either personally or professionally. I feel extremely happy to have chosen this department and this college, and shall forever cherish the four years spent here learning more than what the books have to offer. The time spent here as a member of this department shall forever hold a special place in my heart, and I shall never forget the helping hand extended when needed by another member of this department be it a fellow student or an esteemed faculty.

Our B.Tech (IT) program provides graduates with the skills and knowledge to take on appropriate professional positions upon graduation. The impact of technology advancement on human life is not complete without the Information Technology along all axes. The Information Technology courses help us lead to specialization in areas of programming, web systems, developing of application and hands on experience on projects. The department also focuses on creating and evaluating innovating learning experience inspired by educational principles and technical progress. A small dedication to Information Technology faculty members. We are forever in debt to them. They have nurtured and guided us in every step on the way extending their boundaries and came to our level, just to lift us up.



**S Sagar**  
16H61A12A3



## Student Testimonials



**Krishitha Muddasani**  
16H61A1288

Four years at Anurag in the IT department was a fantastic experience. Apart from the extraordinary Infrastructure, the faculty were so supportive in providing a good environment for learning and improving ourselves. They have constantly been a pillar of support in every matter related to academics and placements. The placement preparation starts much early, thus providing us with ample time to be well prepared. I feel very happy and fortunate to be a part of the IT department at Anurag.

For the last four years, I have been in Anurag Group of Institutions. I have achieved in terms of knowledge, confidence, diversities among. As a student, I have been guided up for each and every decision of mine regarding my professional career and suitability. It was a good start of my career, when I got placed into a company like Capgemini. When I have reached the last stage of my interview with TCS digital portal member, I was happy for what I have achieved. I could get through people and the kind of work I will have to do in future. I could actually succeed in understanding and applying it so early. My ability to work for a software company has been developed by my faculty who guided me in my projects. That's the time where I got exposed to professional knowledge and it's application. When I was placed at the top, in a hackathon of Artificial intelligence, knowing that I have just won among few of my friends, I was happy to have gained that competitive spirit in me by my work. Only thing I can give back to my school of engineering is my gratitude that would be shown through my work which I hope would make my supportive faculty and my college proud.



**P. Tejasree**  
16H61A12B0



**Ch . Riddhi Reddy**  
16H61A1266

The entire Department of Information Technology and Placement Cell leaves no stone unturned to shape one's future .The skills i have gained through my graduate studies have equipped me to accomplish my professional goals. I wholeheartedly thank my department for the constant support and also our placement administration who guided and encouraged us at each step to get placed at a reputed company.



TO **MASTER** A  
**NEW**  
TECHNOLOGY,  
YOU **HAVE** TO  
PLAY WITH IT

JORDAN PETERSON

# IT's HORIZON

A Bi-Annual Newsletter

Vol-7 Issue-2, Jan 2020-June 2020

## Editorial Board Members

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