



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for B.Tech. CE,EEE,ME,ECE,CSE,EIE,IT,AME, M.Tech. STRE, PE, AMS, SWE Programmes
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2022) 113 Rank in Engineering Category
College with Potential for Excellence by UGC, JNTUH-Recognized Research Centres: CE,EEE,ME,ECE,CSE
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CERTIFICATE COURSES – ECE

S. No	Dept	Name of the Certificate course	No. of registered students	No. of students completed	Course Fee (Rs.)	Sem	Duration	Industry involved	Duration	Benefits
Academic Year: 2020 – 21										
1.	ECE	Competitive Coding Skills (2018 admitted batch)	59	59	5900/-	I & II	65Hrs	Smart Interviews Ltd.	Jan 2021 to Sept 2021	Course deals with developing analytical skills, and logical thinking through a guided approach on real-world problem-solving. Helps in how to write efficient code, get a deep understanding of Data Structures & Algorithms.
2.	ECE	Web Development (2019 admitted batch)	13	13	2500/-	I & II	65Hrs	iLander Technologies Pvt. Ltd.	Feb 2021 to June 2021	This course describes the structure and functionality of the world wide web, create dynamic web pages using a combination of HTML, CSS, and JavaScript, apply essential programming language concepts when creating HTML forms, select

										an appropriate web hosting service, and publish webpages. Finally, will be able to develop a working model.
3.	ECE	IOT (2019 admitted batch)	80	80	--	II	65Hrs	VNRVJIET Faculty	17.05.2021 to 01.07.2021	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications: Internet-connected cameras, home automation systems, sensor interfacing & so on
4.	ECE	VLSI (2019 admitted batch)	72	72	--	II	65Hrs	VNRVJIET Faculty	17.05.2021 to 01.07.2021	Provides knowledge in - Sources of power dissipation in CMOS, special techniques to mitigate the power consumption in VLSI circuits, power optimization and trade-off techniques in digital circuits, power estimation at logic and circuit level.
Academic Year: 2019 – 20										
1.	ECE	Low Power VLSI Design (2016 admitted batch)	34	34	2000/-	I & II	65Hrs	VNRVJIET Faculty	28.10.2019 to 02.11.2019 & 09.03.2020 to 12.03.2020	Provides knowledge in - Sources of power dissipation in CMOS, special techniques to mitigate the power consumption in VLSI circuits, power optimization and trade-off techniques in digital circuits, power estimation at logic and circuit level, and software design for low power in various levels.
2.	ECE	IoT and Digital Agriculture (2017 admitted batch)	107	107	4250/-	II	50Hrs	Idealabs Pvt. Ltd., Hyderabad	13.12.2019 to 22.02.2020	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications: Internet-connected cameras, home automation systems, sensor interfacing & so on; using Alexa.

3.	ECE	IoT and Digital Agriculture (2018 admitted batch)	113	113	4250/-	II	40Hrs	Idealabs Pvt. Ltd., Hyderabad	15.02.2020 to 22.02.2020	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications: Internet-connected cameras, home automation systems, sensor interfacing & so on; using Alexa.
Academic Year: 2018 – 19										
1.	ECE	Python Programming (2016 admitted batch-1)	59	59	2000/-	Summer break	40Hrs	Proedge Skill development & Edutech Pvt. Ltd.	25.06.2018 to 30.06.2018	To describe the need and evolution of python. Illustrating the features of python programming language. Exploring the interpreter prompt. Elucidating the different editor and source file and extension. Details on translation process and executable generation.
2.	ECE	Python Hackathon (2016 admitted batch-2)	47	47	2000/-	Summer break	40Hrs	TechyBees EduCon Pvt. Ltd.	25.06.2018 to 30.06.2018	This course will help to master important Python programming concepts such as data operations, file operations, object-oriented programming & various Python libraries which are essential for Data Science.
3.	ECE	IoT with Alexa Bootcamp & Hackathon (2016 admitted batch)	127	127	4000/-	II	40Hrs	Idealabs Pvt. Ltd., Hyderabad	22, 23, 25, 26 March, 2019	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications: Internet-connected cameras, home automation systems, sensor interfacing & so on; using Alexa. Followed by a Hackathon.
4.	ECE	Python Programming (2017 admitted batch)	172	172	2000/-	Summer break	65Hrs	TechyBees EduCon Pvt. Ltd.	08.05.2019 to 15.05.2019	To describe the need and evolution of python. Illustrating the features of python programming language.

		batch)								Exploring the interpreter prompt. Elucidating the different editor and source file and extension. Details on translation process and executable generation.
5.	ECE	Machine Learning (2017 admitted batch)	74	74	2500/-	Summer break	65Hrs	Swecha, Hyderabad	11.05.2019 to 18.05.2019	To provide knowledge on Model Deployment, Natural Language Processing, Deep Learning, Reinforcement Learning and Graphical Models along with a solid foundation in Predictive Analytics and Statistics

Academic Year: 2017 – 18

1.	ECE	Networking (2015 admitted batch)	246	246	4,000/-	Summer break	60Hrs	PRK Reddy Memorial Educational society, Hyderabad	29.05.2017 to 06.06.2017 07.06.2017 to 14.06.2017	To provide knowledge to the students about the concepts of Networking, different protocols, configuration of the CISCO routers for the switching and routing purposes etc.
2.	ECE	IoT (2014 admitted batch-2)	145	145	5,000/-	Summer break	60Hrs	iBuild Innovations India Limited, Hyderabad	29.05.2017 to 03.06.2017	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications:Internet-connected cameras home automation systems, sensor interfacing& so on.
3.	ECE	IC & System	9	9	2,000/-	Summ	40Hrs	Nano Chip	12.06.2017	To provide knowledge to the

		Design using CAD Tools (2014 admitted batch)				er break		Solutions Pvt. Ltd.	to 17.06.2017	students about design flow, digital design through Verilog HDL, timing concepts, optimized netlist generation, Hands on Experience of Synopsys & Mentor Graphics Tools
4.	ECE	Cyber Security (2014 & 2015 admitted batch)	47	47	3000/-	Winter break	40Hrs	Spyry Technologies Private Limited, Bangalore	12.12.2017 to 16.12.2017	To provide knowledge to the students about the processes, and practices designed to protect networks, computers, and data from attack, damage, and unauthorized access.
5.	ECE	IOT Bootcamp and Hackathon (2014 & 2015 admitted batch)	113	113	3500/-	II	40Hrs	Idealabs Pvt. Ltd., Hyderabad	5, 6, 11, 12 January, 2018	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications: Internet-connected cameras, home automation systems, sensor interfacing & so on.
6.	ECE	Python Programming (2014 admitted batch)	34	34	2000/-	Summer break	40Hrs	Proedge Skill development & Edutech Pvt. Ltd.	10.05.2018 to 16.05.2018	Describing the need and evolution of python. Illustrating the features of python programming language. Exploring the interpreter prompt. Elucidating the different editor and source file and extension. Details on translation process and executable generation.
		Python Programming (2016 admitted batch)	78	78	2000/-				17.05.2018 to 23.05.2018	
7.	ECE	Rapid Prototyping & System Design on IOT (2015 admitted batch)	36	36	2000/-	Summer break	40Hrs	EdGate Technologies Pvt. Ltd., Bangalore	21.05.2018 To 24.05.2018	Introduction to TIVA MCU, Architecture, Overview on Flash and EEPROM, Getting the IP address, Gateway IP and Subnet Mask, Voltage Controlled Oscillator, Designing Phase Locked Loop Circuit

Academic Year: 2016 – 17										
1.	ECE	Networking (2014 admitted batch-1)	288	288	3,700/-	Summer break	40Hrs	Rabsa utility solutions private limited	13.05.2016 to 21.05.2016 and 23.05.2016 to 31.05.2016	To provide knowledge to the students about the concepts of Networking, different protocols, configuration of the CISCO routers for the switching and routing purposes etc.
2.	ECE	IoT Applications (2013 admitted batch-2)	66	66	5,000/-	Summer break	60Hrs	SmartBridge	06.06.2016 to 18.06.2016	To provide knowledge to the students in connecting everyday objects to Internet and to send and receive data. Applications:Internet -connected cameras, home automation systems, sensor interfacing and so on.
3.	ECE	Embedded Systems (2013 admitted batch-3)	69	69	5,000/-	Summer break	60Hrs	Rabsa utility solutions private limited	06.06.2016 to 18.06.2016	The course provides adequate theoretical and practical knowledge to develop safety-critical, real-time applications for small and distributed embedded devices. It also covers hardware for embedded systems, testing and debugging, communication, etc.
4.	ECE	Network Security (2013 admitted batch-5)	61	61	5,000/-	II	60Hrs	Rabsa utility solutions private limited	20.03.2017 to 30.03.2017	The objective of this course is to teach the basic principles of network security from the perspective of providing security awareness and its best practices for the real world.
Academic Year: 2015 – 16										
1.	ECE	Networking (2013 admitted batch-1)	139	139	4,000/-	I	40Hrs	Zonta academy, Hyderabad	Aug 2015- Nov 2015 (weekly once)	To provide knowledge to the students about the concepts of Networking, different protocols, configuration of the CISCO routers for the switching and routing

										purposes etc.
2.	ECE	Digital Design & Synthesis (2013 admitted batch-4)	68	68	4,000/-	I	40Hrs	Seer Academy private limited	Aug 2015- Nov 2015 (weekly once)	Through this Certificate Course, the awardee has enhanced his/her skills in Frontend and Backend Tools:Including Synthesis overview, Design Compiler, Physical compiler, IC compiler.
Academic Year: 2014 – 15										
1.	ECE	Design and Development in LabVIEW (2012 admitted batch-1)	144	144	3,000/-	I	80Hrs	Technotran, Hyderabad	02-06-2014 to 14-06-2014	To provide knowledge to the students about the LabVIEW software tool for rapid application development in Biomedical Signal Analysis, electronic understanding, industrial automation, wireless monitoring and data acquisition, embedded control and monitoring etc
2.	ECE	ASIC Design using industry standard EDA tools	15	15	3,000/-	I	40Hrs	Seer Academy Pvt. limited, Hyderabad	21-08-2014 to 27-08-2014	To provide knowledge to the students about the design Flow using Synopsys Tools, Hands on Experience
3.	ECE	VLSI Design Flow Using CAD Tools (2012 admitted batch-3)	29	29	5,000/-	I	60Hrs	CoreEl Technologies Pvt. Ltd	27-07-2015 to 07-08- 2015	Through this Certificate Course, the awardee has enhanced their knowledge about current needs in VLSI industry
4.	ECE	Networking (2012 admitted batch-2)	118	118	5,000/-	I	60Hrs	Zonta Academy	25-05-2015 to 06-06-2015 and 09-06-2015 to 22-06-2015	To provide knowledge to the students about the concepts of Networking, different protocols, configuration of the CISCO routers for the switching and routing purposes etc.

Academic Year: 2013 – 14

1.	ECE	Embedded Linux Application Development program (2010 admitted batch)	57	57	9,000/-	I&II	80Hrs	SOCTEL Pvt. Ltd., Hyderabad	04-02-2013 To 10-10-2013	Attendees of this program will be able to build basic Linux kernel and run applications using kernel services on a Desktop PC as well as embedded platforms.
2.	ECE	Design of digital circuits using Verilog HDL (2010 admitted batch-)	22	22	3,000/-	II	80Hrs	CoreEL Technologies Ltd., Bangalore	21 -3-2013 to 20-04-2013	To provide knowledge to the students about design flow, digital design through Verilog HDL, timing concepts, optimized netlist generation, Hands on Experience