



Sri Indu Institute of Engineering & Technology

Recognized Under 2(f) of UGC Act 1956
Approved by AICTE, New Delhi
Affiliated to JNTUH, Hyderabad.

1.2.2 Number of Add on /Certificate programs offered in Academic year 2020-21

SUMMARY REPORT

S No	Name of Add on /Certificate programs offered	Year of offering	Duration of course
1	Advanced Digital Signal Processing	2020-21	36Hrs
2	Training C- programming	2020-21	42Hrs
3	3D Printing	2020-21	36Hrs
4	AUTO CADD	2020-21	36Hrs
5	Digital Image Processing	2020-21	42Hrs
6	Java Certification program	2020-21	36Hrs
7	Digital and Analog VLSI Design	2020-21	36Hrs
8	Python program	2020-21	42Hrs
9	Computer Networking and System design	2020-21	42Hrs
10	Artificial intelligence	2020-21	36Hrs
11	AUTO CADD	2020-21	60Hrs
12	STADD PRO.	2020-21	42Hrs


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SUMMARY REPORT for A.Y-2020-2021

S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Advanced Digital Signal Processing	36Hrs	24	24

Outcome:

- Know the analysis of discrete time signals.
- To study the modern digital signal processing algorithms and applications.
- Have an in-depth knowledge of use of digital systems in real time applications
- Apply the algorithms for wide area of recent applications.


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SUMMARY REPORT for A.Y-2020-2021

S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Training C-programming	42Hrs	27	27

Outcome:

- After course completion the students will understand a functional hierarchical code organization. Ability to define and manage data structures based on problem subject domain. Ability to work with textual information, characters and strings.


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	3D Printing	36Hrs	19	19

Outcome:

- 3D Printing has the potential to literally turn the world of manufacturing on its head. It allows objects to be built up a layer at a time from a wide variety of materials. ... 3D printing technology is proving most useful in research and education, as prototype products can be iterated rapidly and at little cost.


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	AUTO CADD	36Hrs	45	45

Outcome:

- Student's ability to hand letter will improve, ability to perform basic sketching techniques will improve, able to draw orthographic projections and sections, Ability to use architectural and engineering scales will increase, ability to produce engineered drawings will improve, ability to convert sketches to engineered drawings will increase, become familiar with office practice and standards, become familiar with Auto Cad two dimensional drawings, develop good communication skills and team work.

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SUMMARY REPORT for A.Y-2020-2021

S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Digital Image Processing	42Hrs	41	41

Outcome:

- Understand the basic Physics and Modeling of MOSFETs. Learn the basics of Fabrication and Layout of CMOS Integrated Circuits. Study and analyze the performance of CMOS Inverter circuits on the basis of their operation and working. Study the Static CMOS Logic Elements


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Java certification program	36Hrs	32	32

Outcome:

- Java is the most popular, widely used object-oriented programming language. The security feature of Java makes it popular and widely used. It used by many Java enthusiasts for different purposes. By using Java, we can develop a variety of applications such as enterprise applications, network applications, desktop applications, web applications, games, android app, and many more. In this section, we will focus on what is Java used for, the applications of Java, and why we use Java.


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Digital and Analog VLSI Design	36Hrs	37	37

Outcome:

- Understand the basic Physics and Modeling of MOSFETs. Learn the basics of Fabrication and Layout of CMOS Integrated Circuits. Study and analyze the performance of CMOS Inverter circuits on the basis of their operation and working. Study the Static CMOS Logic Elements


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Python program	42Hrs	28	28

Outcome:

- The course is designed to provide Basic knowledge of Python. Python programming is intended for software engineers, system analysts, program managers and user support personnel who wish to learn the Python programming language. Learning Outcomes: Problem solving and programming capability.


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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Computer Networking and System design	42Hrs	41	41

Outcome:

- Industry 4.0 has become a smart factory reality. Connectivity, automation and optimization are leading the industry to 4.0 digital transformations. But Manufacturing 4.0 is working together with many technologies to understand the full potential of the movement.

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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Artificial intelligence	36Hrs	22	22

Outcome:

- This annotation briefly reviews the history of artificial intelligence and machine learning in health care and orthopedics, and considers the role it will have in the future, particularly with reference to statistical analyses involving large datasets.
- Artificial Intelligence is not just a part of computer science even it's so vast and requires lots of other factors which can contribute to it. To create the AI first we should know that how intelligence is composed, so the Intelligence is an intangible part of our brain which is a combination of Reasoning, learning, problem-solving perception, language understanding, etc.

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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	AUTO CADD	60Hrs	22	22

Outcome:

- Utilize the power and precision of AutoCAD as a drafting and design tool used in the mechanical design and manufacturing industries.
- Apply basic CAD concepts to develop and construct accurate 2D geometry through creation of basic geometric constructions.
- Create, manipulate and edit 2D drawings and figures.
- Apply elements of mechanical drafting such as layers, dimensions, drawing formats, and 2D figures in projects with a focus on ANSI industry standards

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S.No	Name of the course	Duration	Number of students registered	Number of students registered
1	Training Structural Design using STAAD PRO	42Hrs	34	34

Outcome:

- The use of Computer Aided tools in structural analysis and design has been proven to be effective from the results output.
- It was observed that the time for performing the design work is significantly reduced.
- Thus, this explains the importance of comparison between different software packages and more importantly performing hand calculations for like a floor and comparing for the same floor in the software packages.
- Therefore, it can be concluded that the structure has fulfilled the Ultimate Limit State and the Serviceability Limit State requirements


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