



7.1.2- BEST PRACTICE for the AY 2023-24

1. Title of the Practice – Skill development training programmes

2. Objectives of the Practice:

- To Enhance Knowledge of students
- To Improve Job Related Skills
- To meet the challenges posed by new developments in science and technology
- provide knowledge of various career options

3. The Context:

JNTUA curriculum has more number of basic science course, but industry requires knowledge on latest technology, so these skill development programs are helpful to fill gap between curriculum and industry.

4. The Practice:

- Skill development course catalogue was collected from training institute.
- Ask the students to choose the course from catalogue which is provided by Training institute.
- Request the training institute to allot trainer based on course which was chosen by students.
- Training certificates will be issued to students those who successfully completes the training.

5. Successful outcomes:

Due to skill development programmes by the external trainer, there has been a marked improvement in the overall performance of the students.

- Students skills set are improved
- Many students got placement on their own due to additional training.
- Number of students placed in the campus recruitments also indicates the effective functioning of mentorship program.

6. Problems Encountered and resources required:

Common concerns addressed in Skill development due to online training programmes

- Lack of knowledge on prerequisite of programme.

- Lack of time for practice session.
- Each student has different goal to achieve.

7.Resources required for – Skill development due to online training programmes

- Equipment's and kits.
- Internet and computers.



APSSDC- CM's Skill Excellence Centre (CMSEC)

We are happy to note that Govt. of Andhra Pradesh identified 100 engineering colleges as CM's Skill Excellence centers and Geethanjali Institute of Science and Technology is one among them. This is done through the Andhra Pradesh Skill Development Corporation (APSSDC), in the form of Information and Communication Technology (ICT) lab with 37 high configuration laptops and licensed software. This is useful to various departments in imparting skill development courses like Amazon Web Services- AWS Cloud Computing, Web Development using Django, Embedded Systems, Game Design Using Build Box, IOT, PCB Design, Revit Architecture, Mechanical Component Drafting by AUTO CAD, Revit Architecture etc.

Note: Geethanjali Institute of Science and Technology received Certificate of Appreciation from Andhra Pradesh Skill Development Corporation (APSSDC) on 12-02-2024 for outstanding achievement and dedication to skill development and trainings initiatives, empowering students for future success.

P. Chakraborty

HoD/IICC


Principal
PRINCIPAL
GEETHANJALI INSTITUTE OF
SCIENCE & TECHNOLOGY
3rd Mile, Nellore Bombay Highway,
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Andhra Pradesh State Skill Development Corporation

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Certificate of Appreciation



*This Certificate is awarded to Geethanjali Institute of Science & Tech
in recognition of outstanding achievement and dedication to skill development and
training initiatives, empowering students for future success.*

Dr. Ravi K. Gujjula

Chief General Manager (Technical)

APSSDC

12 FEB 2024



Dr. Vinod Kumar V., I.A.S.

Managing Director

APSSDC



Industry Institute Coordination Cell (IICC)

A.Y: 2023-24

Training Programs through APSSDC- CM's SKILL Skill Excellence Centre (CMSEC)

S No.	Name of the event/training	Resource Person details	Course /Class	Date/s	No. of participants
1.	Mechanical Component Drafting by AUTO CAD	Ms.G.Summoohana	II- ME	05-10-2023 To 11-10-2023	27
2.	PCB Design	Mr. Mahidhar Banka	II EEE	20-11-2023 To 25-11-2023	63
3.	AWS Cloud Computing	Mr. Ch. Gopi Raj	III EEE	10-11-2023 To 15-11-2023	53
4.	AWS Cloud Computing	Mr. Ch. Gopi Raj	III EEE	10-11-2023 To 15-11-2023	52
5.	AWS Cloud Computing	Mr. Ch. Gopi Raj	IV EEE	02-11-2023 To 09-11-2023	53
6.	AWS Cloud Computing	Mr. Ch.Gopi Raju	II-CSE	04-09-2023 To 30-09-2023	214
7.	Web Development using Django	Mr. N. Ravi Kumar	II-I-A CSE(AI &ML)	29-01-2024 To 03-02-2024	62
8.	Web Development using Django	Mr. N. Ravi Kumar	II-I-B CSE(AI &ML)	22-01-2024 To 27-01-2024	70
9.	PCB Design	Mr. M Umamaheswara Rao	I-DECE	04-01-2022 To 26-01-2024	93
10.	PCB Design	Mr. M Umamaheswara Rao	I-DEEE	29-01-2024 To 03-02-2024	32
11.	Game Design Using Build Box	Ms. Y Revathi Devi	II-DCME	26-02-2024 To 31-02-2024	65

P. Chaitanya
24/1/24
HoD-IICC



Python Programming

Introduction:

The Python program is a scripting language that can be used for development, coding websites and applications, processing images, scientific data, and more. The program can be found in action on the Google search engine, NASA, Disney, Pinterest, and more. It was built for ease of use and speed and is less complicated than Ruby and other similar object-oriented programming languages. Because it is open-sourced, the program has enjoyed popularity among developers and programmers, and it continues to be the base program for most websites in operation on the internet today.

Python software is free to download and can be accessed on virtually every type of operating system. It comes with a large standard library that will make programming simple tasks, such as reading and modifying files, connecting to web servers, and more, easy. Companies such as Nokia, IBM, Google, and Disney were all searching for programmers with Python experience to help them with web applications and framework development; in this respect, Python works perfectly with Django, which functions as the base framework system that Python builds on. Python also enables programs to script professional-grade web-based products. From back-end to front-end development, full-stack, and web-based options, Python programmers continue to find more economic prospects as the use of the language grows to encompass all areas of software and web development.

Duration:

- 6 Days (or) 36 Hours.

Content:

S.No	Topics	Duration
1	Python Introduction	1 Hr
2	Literate Programming	
3	Jupyter Notebook Environment	
4	Markdown format for documentation	1 Hr
5	Python basics	1 Hr
6	Keywords in Python, Operators in Python	1 Hr



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(Department of Skills Development and Training, Govt of Andhra Pradesh)



7	Conditional Statements	1 Hr
8	Iterations	
9	Jump Statements(Break,Continue with examples)	
10	continue(with example)	2 Hrs
11	Functions	
12	Arguements in Functions	2 Hrs
13	Strings	
14	String Functions,String Slicing	2 Hrs
15	Python Data Structures	
16	Lists	
17	List Methods	1 Hr
18	Tuples	
19	Tuple Methods	1 Hr
20	Dictionaries	
21	Dictionary Methods	2 Hrs
22	Sets	
23	Set Methods	1 Hr
24	Packages and Modules	
25	Regular Expression	2 Hrs
26	File Handling	2 Hrs
27	List Comprehension	1 Hr
28	Iterators,Generators	1 Hr
29	Functional Programming:	
30	Maps,Filters,Lambda	2 Hr
31	Object-Oriented Programming	
32	Classes,Objects,Constructors, inheritance	
33	Python Packages and modules using oop's.	3 Hrs
34	Python Libraries for Data Science	
35	NumPy,Nd arrays, Advantages of NumPy	2 Hrs



36	Pandas	
37	Data Structures in Pandas,Pandas Series	3Hrs
38	Data Frames	
39	Data Visualisation using Matplotlib library	3 hrs

Course Objectives:

- 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 Outcome:

Problem-solving and programming capability

Entry Requirements (Pre-requisites):

- Basic Knowledge of Computer

Eligibility :

- who are willing to Learn Python Programming language are eligible.

Hardware Requirements:

- i3 or above Processor is required
- 4 GB or above RAM is recommended
- Good Internet Connectivity
- OS-Windows 10 is Preferable

Web Development Using Django

Introduction:

Django is a web application framework written in Python programming language. Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites. A web application framework is a toolkit of all components need for application development. The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components. It is fully featured than many other frameworks on the market. It takes care of a lot of hassle. involved in web development, enables users to focus on developing components needed for their application.

By using Django, we can build web applications in very less time. Django is designed in such a manner that it handles much of configure things automatically.

Duration:

- 6 Days (or) 36 Hours.

Content:

S.No	Topics	Duration
1	Object-Oriented Programming(Classes,Objects)	1Hrs
2	Constructors, inheritance	1Hrs
3	Python Packages and modules using oop's.	1Hrs
4	Django Introduction	30M
5	MVC, MVT,Architecture of Django	30M
6	Django Installation	15M
7	Project Creation, APP creation and use of admin app	45M
8	URL mapping(creation),Dynamic URL mapping,views	3Hrs
9	Interface between controller(urls.py & views.py) files	1Hr

10	Http Request and Responses.	1Hr
11	Django Templates	1Hr
12	Providing an interface between controller and templates	2Hrs
13	Static file handling	1Hrs
14	Data rendering from HTML to views and then views to HTML with example.	2Hrs
15	Model creation	1Hr
16	Migrations, ORM	1Hr
17	Model Queries(Django shell)	2Hrs
18	Superuser Creation(admin part)	1Hr
19	Roles of the superuser.	1Hr
20	Curd operations, Messages generation	5Hrs
21	Form Validations	1Hr
22	Database Connectivity and Database Migrations with MYSQL	1Hr
23	Mail Sending	1Hr
24	File Uploading.	1Hr
25	User Registration and	1Hr
26	User Authentication	1Hr
27	Templates Blocks	1Hr
28	User Profile Creation.	2Hrs

Course Objectives:

The objective of this course is

- To impart knowledge on Web development using Frameworks(Django) to the students & Faculty of engineering colleges across the state of Andhra Pradesh.
- This course is for a candidate who wants to learn Django from scratch and work through a fully functional Project. This course is apt for those who have been working on Python and intend to move the expertise to the web. Through the ORM framework candidate can achieve relatively complex functionality quite rapidly.

Entry Requirements (Pre-requisites):

- Faculty/Students must have a basic Knowledge of Python Programming.

Eligibility :

- All Faculty & Students who have Python Knowledge are eligible.

Hardware Requirements:

- i3 or above Processor is required
- 4 GB or above RAM is recommended
- Good Internet Connectivity
- OS-Windows 10 is Preferable

AutoCAD Workshop Content

Day`	Course Content
1	<ul style="list-style-type: none">● Engineering Drawings<ul style="list-style-type: none">○ Introduction○ Projections● Coordinate System<ul style="list-style-type: none">○ Absolute○ Relative○ Polar● AutoCAD<ul style="list-style-type: none">○ Introduction○ GUI
2	<ul style="list-style-type: none">● Setting of Units & Limits● Draw Tools● Modify Tools● Blocks Creation
3	<ul style="list-style-type: none">● Annotation Tools● Layer Management● Hatch
4	<ul style="list-style-type: none">● Site Layout● Vastu Considerations● Creating Building Plan
5	<ul style="list-style-type: none">● Creating Elevation● Creating Sections● Creating Columns Layout with Detailing
6	<ul style="list-style-type: none">● Creating Beams Layout with Detailing● Creating Footings Layout with Detailing● Page Layout

ETABS Workshop Content

Day	Description
1	Introduction <ul style="list-style-type: none">• About ETABS• Object based modelling: Major differences from element based modelling• Understanding the Interface• ETABS GUI, Modelling overview from start to finish by a simple example• Model Creation, Editing, Loading and Analysis• Definitions!• Point, Line, Area and Link objects: Utility of these objects, modelling scope viz, beam, columns for frames and membrane, plate, shells for slabs and shear walls
2	Modelling, Editing, Analysis & Design for Gravity Cases <ul style="list-style-type: none">• Concrete, Steel and Composite section definitions• Load Pattern, Load Cases and Load Combinations• Loading the structure for: Dead, Live• Checking the Model before run• Analysis for : Dead, Live• Design of members• Design Output
3	Seismic Analysis & Design <ul style="list-style-type: none">• Earthquake Loading• Analysis types: Static, dynamic (Response Spectrum)• Review of analysis results: Drift, Member Deflection, Response plots etc.• Design of RCC members: Beam, Column, Shear Wall as per Indian Codes
4	Dynamic Analysis, Shear Wall Design <ul style="list-style-type: none">• Analysis types: Static, dynamic (Response Spectrum)• Modal analysis• Review of dynamic analysis results• Review of analysis results: Drift, Member Deflection, Response plots etc.• Design of RCC members: Beam, Column, Shear Wall as per Indian Codes• Brief background on design process
5	Wind Analysis, Steel Design & Etc <ul style="list-style-type: none">• Wind Loading• Design of Steel members• Brief background on design process
6	Practical <ul style="list-style-type: none">• Theoretical• Live project for practical

Revit Architecture Workshop Content

Day	Course Content
1	<ul style="list-style-type: none">● Introduction to Building Information Modeling● Revit Architecture<ul style="list-style-type: none">○ Introduction○ GUI○ Setting of Units & Working with Elevation Views
2	<ul style="list-style-type: none">● Placing Walls, Doors & windows● Placing of Family Files(Components)● Modify Tools● Managing Views by Project Browser
3	<ul style="list-style-type: none">● Properties Palette<ul style="list-style-type: none">○ Type Selector○ Type Parameters○ Instance Parameters● Creating New Materials● Roof● Floor
4	<ul style="list-style-type: none">● Different Types of Openings● Staircase● Ramp● Railing● Annotations
5	<ul style="list-style-type: none">● Creating Section Views● 3-D Views<ul style="list-style-type: none">○ Camera Views○ Rendering○ Walkthroughs● Model Text● Paint● Massing & Site
6	<ul style="list-style-type: none">● Schedules● Page Layout● Documentation● Project Submission

EMBEDDED SYSTEMS PROJECTS SYLLABUS 2020-2021

Introduction : An embedded system can be thought of as a computer hardware system having software embedded in it. An embedded system can be an independent system or it can be a part of a large system. An embedded system is a microcontroller or microprocessor based system which is designed to perform a specific task. For example, a fire alarm is an embedded system; it will sense only smoke.

DAY	TOPICS
DAY 1	introduction to Embedded Systems, software installation
DAY 2	LED ON and OFF, Led Blinking, Alternate LED blinking
DAY 3	Byte Instructions LED programing, LED byte Instruction programing
DAY 4	4 way traffic lights controlling, DC Motor Controlling
DAY 5	Seven Segment Basic programing, 16segment Basic programing
DAY 6	8 digit seven segment programing, button interfacing with seven segment displays
DAY 7	Up and down Counter, Up down counter controlling through buttons
DAY 8	lcd explanation and programing, lcd topics
DAY 9	Introduction of Arduino Board, pin description
DAY 10	Introduction Arduino IDE, Thinkercad & basic of Arduino syntax
DAY 11	Discussion forum and presentations on Up To now covered topics & doughnuts clarify
DAY 12	Arduino tasks, multiple LEDs, serial communication
DAY 13	leds controlling with character controlling & string controlling
DAY 14	LEDs controlling with integers, RGB led controller with the serial monitor
DAY 15	Introduction to button, button interfacing with led

DAY 16	Introduction to sensors And LDR sensor
DAY 17	Introduction to pir & IR Sensor
DAY 18	Introduction to Ultrasonic sensor with task
DAY 19	Introduction to Temperature Humidity sensor with task
DAY 20	Introduction to Servo motor & with task

DAY 21	Interfacing PIR sensor with of Servo motor
DAY 22	Introduction of a Gas sensor and interfacing with buzzer
DAY 23	Discussion forum and presentations on Up To now covered topics & doughnuts clarify
DAY 24	Interfacing LDR sensor pir sensor with servo motor task
DAY 25	Interfacing seven segment with Arduino
DAY 26	Introduction of Tilt sensor with task
DAY 27	Lcd Interfacing with Arduino
DAY 28	interfacing DC motor with task
DAY 29	LDR Sensor interfacing with LCD
DAY 30	introduction of a keypad with 8051
DAY 31	keypad interfacing with 8051, Arduino, and presentations
DAY 32	Relay interfacing with 8051
DAY 33	UART communication by using 8051
DAY 34	Discussion forum and presentations on Up To now covered topics & doughnuts clarify
DAY 35-90	Work on real time projects.

EMBEDDED SYSTEMS SYLLABUS

Embedded Systems Fundamentals:

Course Content & Day Wise Schedule for workshop:

DAY	Topics
Day-1	Introduction to Embedded Systems , Software installation , How to utilize the software and Project path Creations, Led On and off Basic programming (lunch break)Led blinking programming, LED toggle programming , Some basic programming on LEDs and Byte Instruction Programming, LED shifting using shift operator.
Day-2	Introduction to Pull down and pull Up connections, Basic button Programming, Button Interfacing with LEDs, Introduction to DC motors and Programming Part(Lunch Break) DC motors programming , Buttons interfacing with DC motors, Introduction to 7segment Displays , 7 Segment programming, tasks on Seven, 14 and 16 segment displays.
Day-3	Traffic lights, Keypad interfacing , Keypad Interfacing with Seven segment display, (Lunch break) LCD and UART.

Embedded Systems Advanced :

Course Content & Day Wise Schedule for workshop:

DAY	Topics
Day-1	Introduction Embedded system and ARM7(LPC2148) controller, Software Installation, Interfacing with led ,Interfacing button and controlling led & Interfacing ldr & relay.
Day-2	Interfacing ir sensor and controlling led, Person Counting with IR sensor, interfacing dc motor.
Day-3	Interfacing 7Segment display, Interfacing buzzer & Interfacing 16x2 Lcd display, UART, Interfacing bluetooth

Total fee - 300/-

PCB DESIGN COURSE 2020-21

Pcb Design Fundamentals:

DAY	Topics to be covered
Day-1	Introduction of PCB, Explanation of each and every step in PCB designing, LIVE WIRE & PCB WIZARD software installation and basic circuits like LED,5v Charger circuit,Button interfacing with led,LDR interfacing with Led,Multivibrator circuits using NE555 timer,Fire alarm circuit,Police siren circuit using NE555,Motor control circuit,Led flasher circuit using 4017 decade counter and other circuits in Live wire software.
Day-2	Introduction of PCB WIZARD Software,Designing of PCB layouts for basic LED circuit,LDR sensor circuit,5v charger circuit,Astable and Bistable multivibrator circuits using 555 timer ic,battery level indicator circuit,Motor control circuit and Led flasher circuit using ic4017 decade counter and Introduction to EASY EDA software.
Day-3	Explanation of each and every tool in EASY EDA software and designing PCB layouts for some Basic circuits like LED interfacing,Button interfacing,astable and bistable multivibrator circuits using 555 timer ,IR Sensor circuit,and Arduino uno board circuit and designing 2layer PCB boards. Introduction to EAGLE software and designing some of the basic circuit pcb layouts.

PCB Advanced :

DAY	Topics to be covered
Day-1	Introduction of PCB manual making and designing process and Explanation of each and every step in PCB making, Designing the layouts of the circuits in softwares,Printing the layouts and making PCB boards for circuits like Button interfaced with led,Potentiometer and Astable multivibrator circuit using NE555 timer ic.
Day-2	Designing the layouts of the circuits in software,Printing the layouts and making PCB boards for circuits like LDR interfaced with led, simple fire alarm circuit and Bistable multivibrator circuit using NE555 timer ic.
Day-3	Designing the layouts of the circuits, Printing the layouts and making PCB boards for circuits like Water level indicator circuit using NE555 timer ic and transistors. LED flasher circuit by using ic 4017 decade counter.

PCB COMPONENTS LIST:-[Drive link](#)



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY: NELLORE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Report on “One Week Workshop on Printed Circuit Boards”

One week workshop on printed circuit boards was organized by the department of EEE, from 20th November to 25st November 2023. The expert Ms. Sk. Rubeena explained various concepts of **Printed Circuit Boards** related aspects right from the fundamentals for II B.Tech EEE students.

The workshop was aimed to provide knowledge about complete PCB designing using simulation tool to test electronics & electrical circuit in software environment. PCB design software & to make physical PCB at home so that any student can make project on his own.

Following content are covered in workshop:

- ✓ Schematic Design
- ✓ Component Footprint Design
- ✓ Integrated Library Design
- ✓ PCB Design & Routing

The Principal of Geethanjali institute of science and technology, Dr.K.Sundeep kumar in the inaugural address also mentioned the necessity of the printed circuit boards in the related fields of Electrical Engineering. All the faculty and students of the department of EEE took part in the Course actively. Ms.Ch.Silpi Priyanka coordinated the workshop along with all other faculty of EEE department.





GPS Map Camera

Sri Potti Sriramulu Nellore, Andhra Pradesh, India
Geethanjali Institute of Science and Technology, 3rd Mile, Nellore-Bombay
Highway, Gangavaram(V), Kovur M), S.P.S.R, Andhra Pradesh 524137, India
Lat 14.488936°
Long 79.954998°
25/11/23 03:49 PM GMT +05:30

Google

[Handwritten Signature]
25/11/23
HOD-EEE

Head of the Department
of Electrical & Electronics Engineering
**GEETHANJALI INSTITUTE OF
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GANGAVARAM (V), Kovur (M).
S.F. Nellore Dt. A.P. Pin : 524 137



ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



SKILL AP
A P S D C

Cert. No: AWS/STP/23-24/998

Reg.No: 222U1A0572

Certificate of Participation

This is to certify that Mr./Ms./Mrs. Kondapalli Pallavi
of Geethanjali Institute of Science & Technology.....has successfully
participated in Skill Development Program on AWS- Cloud Computing
held from 11-09-2023..... to 16-09-2023.....



Ravi K. Gujjula

Principal
Dr. Ravi K. Gujjula
Chief General Manager (Technical)
APSSDC

Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
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Vinod Kumar.V

Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC



ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)

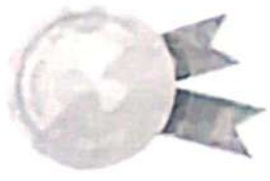
Skill AP
APSSDC

Cert. No: AWS/STP/23-24/999

Reg.No: 222U1A0573

Certificate of Participation

This is to certify that Mr./Ms./Mrs. Kondlapudi Om Sathwik Reddy
of Geethanjali Institute of Science & Technology has successfully
participated in Skill Development Program on AWS- Cloud Computing
held from 11-09-2023 to 16-09-2023



Ravi K. Gujjula

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Dr. Ravi K. Gujjula
Chief General Manager (Technical)
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Sri K. Dinesh Kumar

Executive Director
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Dr. Vinod Kumar, V. I.A.S.

Managing Director
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APSSDC



సాక్ష్యమేవ శాస్త్రం

ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



SKILL AP
APSSDC

Cert. No: AWS/STP/23-24/1000

Reg.No: 222U1A0574

Certificate of Participation



This is to certify that Mr./Ms./Mrs. Konepalli Siri Chandana
of Geethanjali Institute of Science & Technology has successfully
participated in Skill Development Program on AWS- Cloud Computing
held from 11-09-2023 to 16-09-2023



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Dr. Ravi K. Gujjula
Chief General Manager (Technical)
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Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
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Managing Director
APSSDC

SKILL AP



ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)

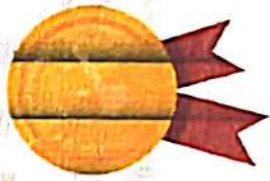


Cert. No: AWS/STP/23-24/1001

Reg.No: 222U1A0575

Certificate of Participation

This is to certify that Mr./Ms./Mrs. Kopparthi Jahnavi
of Geethanjali Institute of Science & Technology.....has successfully
participated in Skill Development Program on AWS- Cloud Computing
held from 11-09-2023..... to 16-09-2023



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Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
Executive Director
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Dr. Vinod Kumar.V, I.A.S.
Managing Director
APSSDC



ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Cert. No: AWS/STP/23-24/1002

Reg.No: 222U1A0576

Certificate of Participation

This is to certify that Mr./Ms./Mrs. Koppolu Venkata Sumana
of Geethanjali Institute of Science & Technology has successfully
participated in Skill Development Program on AWS- Cloud Computing
held from 11-09-2023 to 16-09-2023



Ravi K. Gujjula

Dr. Ravi K. Gujjula
Chief General Manager (Technical)
APSSDC

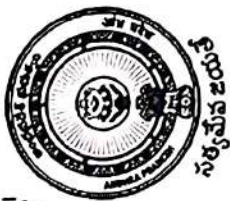
Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
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Managing Director
APSSDC

Principal



ANDHRA PRADESH STATE SKILL DEVELOPMENT CORPORATION

(Department of Skills Development & Training, Govt. of Andhra Pradesh)



Cert. No: AWS/STP/23-24/1003

Reg.No: 222U1A0577

Certificate of Participation



This is to certify that Mr./Ms./Mrs. Kota. Teja Varshan
 of Geethanjali Institute of Science & Technology has successfully
 participated in Skill Development Program on AWS- Cloud Computing
 held from 11-09-2023 to 16-09-2023



Ravi K. Gujjula

Principal
 Dr. Ravi K. Gujjula
 Chief General Manager (Technical)
 APSSDC

Sri K. Dinesh Kumar

Sri K. Dinesh Kumar
 Executive Director
 APSSDC

Dr. Vinod Kumar.V

Dr. Vinod Kumar.V, I.A.S.
 Managing Director
 APSSDC



Skill Development Programmes

Geethanjali Institute of Science and Technology (GIST) is affiliated to JNTUA, Anantapur. As a part of imparting the skills, GIST taken steps to involve the students to participate and learn the courses from Spoken tutorials, APSSDC, EduSkills and other functional MoUs.

We are happy to note that Geethanjali Institute of Science and Technology received Certificate of Appreciation from Andhra Pradesh Skill Development Corporation (APSSDC) on 12-02-2024 for outstanding achievement and dedication to skill development and trainings initiatives, empowering students for future success.

P. Chakraborty

HoD/IICC

[Handwritten Signature]
Principal
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**GEETHANJALI INSTITUTE OF
SCIENCE & TECHNOLOGY**
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SPSR Nellore Dt. A.P Pin : 524137

Enclosures:

1. Details of skill development programs
2. Sample certificates
3. Sample reports with photos



भारतीय प्रौद्योगिकी संस्थान मुंबई
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Indian Institute of Technology Bombay
Powai, Mumbai-400 076, India

दूरभाष/Phone : (+91-22) 2572 2545

फैक्स/Fax : (+91-22) 2572 3480

वेबसाइट/Website : www.iitb.ac.in

IIT Bombay

LETTER OF ASSOCIATION

Ref.No. STIITB/2023/2348

Date - 09/10/2023

To
The Principal,
Geethanjali Institute of Science and Technology,
3rd Mile Nellore-Bombay Highway, Gangavaram (V),
Kovur (M), S.P.S.R., Andhra Pradesh - 524137

We are happy to announce the **ASSOCIATION of Knowledge Partner Spoken Tutorial Program**, IIT Bombay with **Geethanjali Institute of Science and Technology**. Your College is officially now an **Academic Partner of IIT Bombay Spoken Tutorial**. The Program is a part of the National Mission on Education through ICT, MoE, Govt. of India, to spread IT Literacy all over India. We are promoting the learning and usage of Free & Open Source Software (FOSS), through an Audio-Video teaching tool, viz, 'Spoken Tutorial'.

We support and motivate Colleges to train students on Basic Computer Skills, Software and IT. The course and the training is offered for **Rs.29,500/-** per year to all the College. **This letter is issued for 19th September 2023 to 19th March 2024 to Geethanjali Institute of Science and Technology, and will be renewed after 6 months based on learners trained in the College.**

Looking forward to many enrollments from the College. You are making an outstanding contribution of using ICT based teaching and learning methodology for students of your College.

For and On behalf of
Spoken Tutorials,
Indian Institute of Technology, Bombay

Akanksha Saini



Mrs. Akanksha Saini
National Coordinator
Spoken Tutorial Project, IIT Bombay



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY
Department of Computer Science & Engineering



Spoken Tutorials (IIT Bombay)

A.Y.:2023-24							
S No.	Name of the faculty	Name of the certification course	Course /Class	Date/s	No of Students Registered	No of Students Attended	No of Students Certified
1	Y.Venkata Ramesh	HTML	CSE	21-Dec-23	109	109	105
2	Y.Venkata Ramesh	Java	CSE	26-Dec-23	102	102	96
3	Y.Venkata Ramesh	C	CSE	29-Dec-23	162	162	147
4	Y.Venkata Ramesh	PHP and MySQL	CSE	21-Mar-24	110	110	103
5	Y.Venkata Ramesh	RDBMS PostgreSQL	CSE	24-Mar-24	102	102	97
6	Y.Venkata Ramesh	Java	CSE	14-Mar-24	162	162	145
					747	747	693


In-Charge


HoD





Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of Java Training

This is to certify that **AMBATI NAGA.MANOOGNA REDDY** has successfully completed **Java** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 82.50%

March 7th 2024

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of C Training

This is to certify that **APPAGUNTA CHAITANYA** has successfully completed **C** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 2 Score: 60.00%

December 23rd 2023

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of Java Training

This is to certify that **APPISETTY SRUTHI** has successfully completed **Java** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 70.00%

March 7th 2024

Prof. Kannan M Moudgalya
IIT Bombay

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Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of HTML Training

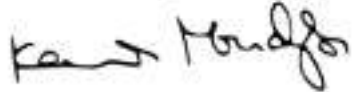
This is to certify that **BAKKAMANTHALA LIKHITHA** has successfully completed **HTML** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 1 Score: 60.00%

December 21st 2023


Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of HTML Training

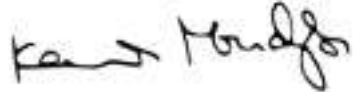
This is to certify that **BALLIREDDY SADHVIKA** has successfully completed **HTML** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 1 Score: 60.00%

December 21st 2023


Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Spoken Tutorial
Project at
IIT Bombay

Certificate for the Completion of Java Training

This is to certify that **AMBATI NAGA.ABHIGNA REDDY** has successfully completed **Java** test organized at **Geethanjali Institute of Science and Technology** by **V GAYATRI** with course material provided by the Spoken Tutorial Project, IIT Bombay. Passing an online exam, conducted remotely from IIT Bombay, is a pre-requisite for completing this training.

Y Venkata Ramesh from **Geethanjali Institute of Science and Technology** invigilated this examination.

This training is offered by the Spoken Tutorial Project, IIT Bombay.

Credits: 4 Score: 80.00%

March 7th 2024

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.



Certificate of Virtual Internship

This is to certify that

CHETLAPALLI SNEHA PRASEEDA

Geethanjali Institute of Science and Technology

has successfully completed 10 weeks

Zero Trust Cloud Security Virtual Internship

During January - March 2024

Supported By 

Prameet Chhabra

Prameet Chhabra
Vice President, Platform Enablement
Zscaler

Shri Buddha Chandrasekhar

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :8ff8fc380e0a12adf4c6d784ebc5b24c
Student ID :STU6590e527566d31703994663





Certificate of Virtual Internship

This is to certify that

CHILAKA THANUJA

Geethanjali Institute of Science and Technology

has successfully completed 10 weeks

Intelligent Automation Virtual Internship

During January - March 2024

Supported By **ss&c** | **blueprism®**

Ana Howes
Global Head of Education Services
SS&C Blue Prism

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :b4aa305a11db2cb25164cb50b8666ebd
Student ID :STU6588834df41601703576397





Certificate of Virtual Internship

This is to certify that

Chinthaginjala Shalini

Geethanjali Institute of Science and Technology

has successfully completed 10 weeks

Intelligent Automation Virtual Internship

During January - March 2024

Supported By **ss&c** | **blueprism®**

Ana Howes
Global Head of Education Services
SS&C Blue Prism

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :36366b881d2c9c9c778b8699d476a06b

Student ID :STU645284890c9721683129481





Certificate of Virtual Internship

This is to certify that

AJIGANTI VENKATA VASANTHA LAKSHMI

Geethanjali Institute of Science and Technology

has successfully completed 10 weeks

Intelligent Automation Virtual Internship

During January - March 2024

Supported By **ss&c** | **blueprism®**

Ana Howes
Global Head of Education Services
SS&C Blue Prism

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :cfa620f866f5f0d1886a5787d0bab7e8

Student ID :STU62c030a3cce141656762531





Certificate of Virtual Internship

This is to certify that

BHAJANA PAVANI

Geethanjali Institute of Science and Technology

has successfully completed 10 weeks

Zero Trust Cloud Security Virtual Internship

During January - March 2024

Supported By 

Prameet Chhabra

Prameet Chhabra
Vice President, Platform Enablement
Zscaler

Shri Buddha Chandrasekhar

Shri Buddha Chandrasekhar
Chief Coordinating Officer (CCO)
NEAT Cell, AICTE

Dr. Satya Ranjan Biswal

Dr. Satya Ranjan Biswal
Chief Technology Officer (CTO)
EduSkills



Certificate ID :dbb87ab7e831bb167c9e3f084ab4e66e

Student ID :STU63876133b4c281669816627





ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A Statutory Body of the Government of A.P.)

Certificate of Completion



Certificate Id: **BBAPSCHDEIIDT2024PART000117**

This is to certify that **Aytha V L S Sarayu**, bearing Reg. No: **202U1A3304**, from **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, KOVUR** of **JNTU Anantapur**, has successfully completed a long-term internship for 240 hours on **AI-ML-DS**. This internship was organized by **International Institute of Digital Technologies**, with its industry partner **Blackbuck Engineers**, in association with the **Andhra Pradesh State Council of Higher Education (APSCHE)**.




Anuradha Thota
Chief Executive Officer
Blackbuck Engineers Pvt. Ltd.




Dr. Sundar Balakrishna
Director General
International Institute of Digital Technologies

Date: 15/04/2024 Place: Tirupati, Andhra Pradesh



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A Statutory Body of the Government of A.P.)

Certificate of Completion



Certificate Id: **BBAPSCHDEIIDT2024PART000122**

This is to certify that **Bachu Akash**, bearing Reg. No: **202U1A3305**, from **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, KOVUR** of **JNTU Anantapur**, has successfully completed a long-term internship for 240 hours on **AI-ML-DS**. This internship was organized by **International Institute of Digital Technologies**, with its industry partner **Blackbuck Engineers**, in association with the **Andhra Pradesh State Council of Higher Education (APSCHE)**.



Anuradha Thota
Chief Executive Officer
Blackbuck Engineers Pvt. Ltd.



Dr. Sundar Balakrishna
Director General
International Institute of Digital Technologies

Date: 15/04/2024 Place: Tirupati, Andhra Pradesh



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A Statutory Body of the Government of A.P.)

Certificate of Completion



Certificate Id: **BBAPSCHDEIIDT2024PART000125**

This is to certify that **Baddika Manasa**, bearing Reg. No: **202U1A3306**, from **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, KOVUR** of **JNTU Anantapur**, has successfully completed a long-term internship for 240 hours on **AI-ML-DS**. This internship was organized by **International Institute of Digital Technologies**, with its industry partner **Blackbuck Engineers**, in association with the **Andhra Pradesh State Council of Higher Education (APSCHE)**.




Anuradha Thota
Chief Executive Officer
Blackbuck Engineers Pvt. Ltd.




Dr. Sundar Balakrishna
Director General
International Institute of Digital Technologies

Date: 15/04/2024 **Place:** Tirupati, Andhra Pradesh



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A Statutory Body of the Government of A.P.)

Certificate of Completion



Certificate Id: **BBAPSCHDEIIDT2024PART000014**

This is to certify that **Adapala Lohitha**, bearing Reg. No: **202U1A3301**, from **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, KOVUR** of **JNTU Anantapur**, has successfully completed a long-term internship for 240 hours on **AI-ML-DS**. This internship was organized by **International Institute of Digital Technologies**, with its industry partner **Blackbuck Engineers**, in association with the **Andhra Pradesh State Council of Higher Education (APSCHE)**.




Anuradha Thota
Chief Executive Officer
Blackbuck Engineers Pvt. Ltd.




Dr. Sundar Balakrishna
Director General
International Institute of Digital Technologies



ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION
(A Statutory Body of the Government of A.P.)

Certificate of Completion



Certificate Id: **BBAPSCHDEIIDT2024PART000043**

This is to certify that **Allam Rayapa Reddy**, bearing Reg. No: **202U1A3303**, from **GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY, KOVUR** of **JNTU Anantapur**, has successfully completed a long-term internship for 240 hours on **AI-ML-DS**. This internship was organized by **International Institute of Digital Technologies**, with its industry partner **Blackbuck Engineers**, in association with the **Andhra Pradesh State Council of Higher Education (APSCHE)**.




Anuradha Thota
Chief Executive Officer
Blackbuck Engineers Pvt. Ltd.




Dr. Sundar Balakrishna
Director General
International Institute of Digital Technologies



Industry Institute Coordination Cell (IICC)

A.Y: 2023-24

Training Programs through APSSDC- CM's SKILL Skill Excellence Centre (CMSEC)

S No.	Name of the event/training	Resource Person details	Course /Class	Date/s	No. of participants
1.	Mechanical Component Drafting by AUTO CAD	Ms.G.Summoohana	II- ME	05-10-2023 To 11-10-2023	27
2.	PCB Design	Mr. Mahidhar Banka	II EEE	20-11-2023 To 25-11-2023	63
3.	AWS Cloud Computing	Mr. Ch. Gopi Raj	III EEE	10-11-2023 To 15-11-2023	53
4.	AWS Cloud Computing	Mr. Ch. Gopi Raj	III EEE	10-11-2023 To 15-11-2023	52
5.	AWS Cloud Computing	Mr. Ch. Gopi Raj	IV EEE	02-11-2023 To 09-11-2023	53
6.	AWS Cloud Computing	Mr. Ch.Gopi Raju	II-CSE	04-09-2023 To 30-09-2023	214
7.	Web Development using Django	Mr. N. Ravi Kumar	II-I-A CSE(AI &ML)	29-01-2024 To 03-02-2024	62
8.	Web Development using Django	Mr. N. Ravi Kumar	II-I-B CSE(AI &ML)	22-01-2024 To 27-01-2024	70
9.	PCB Design	Mr. M Umamaheswara Rao	I-DECE	04-01-2022 To 26-01-2024	93
10.	PCB Design	Mr. M Umamaheswara Rao	I-DEEE	29-01-2024 To 03-02-2024	32
11.	Game Design Using Build Box	Ms. Y Revathi Devi	II-DCME	26-02-2024 To 31-02-2024	65

P. chaitanya
24/1/24
HoD-IICC



GEETHANJALI INSTITUTE OF SCIENCE & TECHNOLOGY: NELLORE
DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

A Report on “One Week Workshop on Printed Circuit Boards”

One week workshop on printed circuit boards was organized by the department of EEE, from 20th November to 25th November 2023. The expert Ms. Sk. Rubeena explained various concepts of **Printed Circuit Boards** related aspects right from the fundamentals for II B.Tech EEE students.

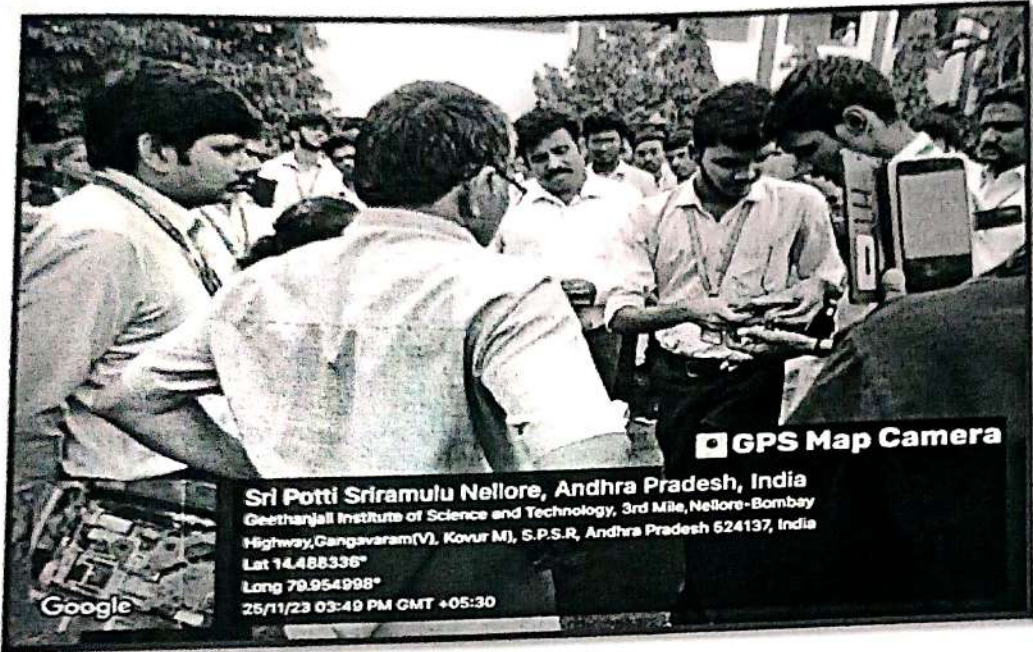
The workshop was aimed to provide knowledge about complete PCB designing using simulation tool to test electronics & electrical circuit in software environment. PCB design software & to make physical PCB at home so that any student can make project on his own.

Following content are covered in workshop:

- ✓ Schematic Design
- ✓ Component Footprint Design
- ✓ Integrated Library Design
- ✓ PCB Design & Routing

The Principal of Geethanjali institute of science and technology, Dr.K.Sundeep kumar in the inaugural address also mentioned the necessity of the printed circuit boards in the related fields of Electrical Engineering. All the faculty and students of the department of EEE took part in the Course actively. Ms.Ch.Silpi Priyanka coordinated the workshop along with all other faculty of EEE department.



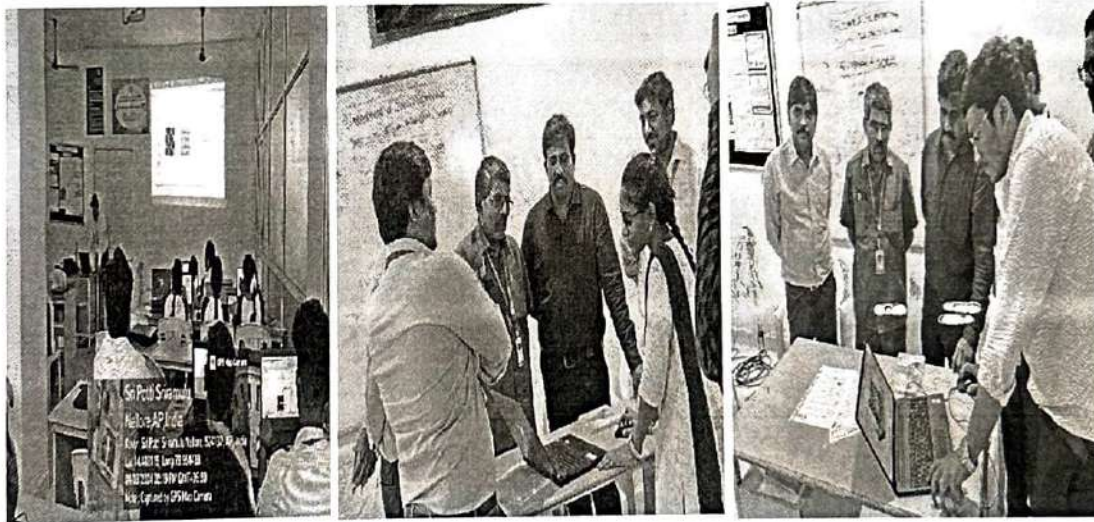


[Handwritten Signature]
25/11/23
HOD-EEE

Head of the Department
Dept. of Electrical & Electronics Engineering
**GEETHANJALI INSTITUTE OF
SCIENCE & TECHNOLOGY**
GANGAVARAM (V), Kovur (M),
S.P.S.R. Nellore DL A.P. Pin : 524 137.

A ONE WEEK WORKSHOP ON "REVIT ARCHITECTURE USING BIM" SOFTWARE

Geethanjali Institute of Science and Technology (GIST) had organized a one-week workshop on "Revit Architecture Using BIM" Software in collaboration with Canter Cadd. Hands on training is offered for III B. Tech Civil Engineering students from 1st Apr to 6th Apr 2024 by Mr. Sk. Fareed basha are the Master Trainer of Canter Cadd. The Workshop provides skills on various concepts related to BIM right from the fundamentals and make the students industry ready. 29 students from our Institution have registered for this program. The Principal of GIST, Prof. Dr .K. Sundeepkumar in the inaugural address mentioned about the importance of BIM for modern engineers. Dr. P. Chakrapani, HoD/IICC coordinated the workshop along with Mr.P.UmaSai Krishna HoD I/C, Civil and Mr. V. RadhaKrishna (IICC/Co-ordinator).



V. RadhaKrishna
Signature of Faculty Coordinator

Uma Sai Krishna
Signature of HoD
Head of the Department,
Dept. of Civil Engineering
**GEETHANJALI INSTITUTE OF
SCIENCE & TECHNOLOGY**
GANGAVARAM (V), Kovur (M),
S.P.S.R. Nellore DL A.P. Pin 524 137