



# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

GANGURU :: VIJAYAWADA – 521 139

(Approved by AICTE New Delhi, Permanently Affiliated to JNTU Kakinada)

ISO 9001:2015 Certified Institution, Accredited by NBA for CE, ME, EEE & ECE.

E-mail: diet.principal@gmail.com, principal@diet.ac.in, website: www.diet.ac.in, Phone: +91-8333924842, 8333924843

## List of Certificate/ Add-on Programs

Academic Year: 2020-21

S.No	Name of the Program	Duration of Course	No. of Participants
1	A two-week certification program on Smart sensors based on IOT	08-02-2021 to 19-02-2021	57
2	A Two-week certification program on Web Development using JAVA	18-01-2021 to 30-01-2021	127
3	A Two-week Add on program on Antenna design using HFSS	18-01-2021 to 30-01-2021	196
4	A Two Week Certification Program on 3D-Printing	14-12-2020 to 28-12-2020	125

IQAC

PRINCIPAL  
Principal  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
vijayawada-521 139





**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**

**GANGURU :: VIJAYAWADA – 521 139.**

**(Approved by AICTE New Delhi, Affiliated to JNTUKakinada)**

E-mail: [principal@diet.ac.in](mailto:principal@diet.ac.in), website: [www.diet.ac.in](http://www.diet.ac.in), Phone: 0866-2583842 / 8333924842

Date: 28-01-2021

**CIRCULAR**

This is hereby to inform all the II B.Tech students of IT, that department of INFORMATION TECHNOLOGY is organizing a two-week certification program on "**SMART SENSORS BASED ON IOT**" from 08-02-2021 to 19-02-2021. Hence all the students are requested to enroll their names on or before 02-02-2021.

**Venue. : T16**

**Co-ordinator : Ch.Lavanya Susanna**

  
**Co-ordinator**

  
**PRINCIPAL**

Copy to all HoDs



Principal  
**DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY**  
Ganguru, Vijayawada-521 139

## Organizing Committee

**Convener:** Dr. K. Sowmya  
HOD, IT Department  
Department of Information Technology  
Dhanekula institute of Engineering and  
Technology, Vijayawada  
Email: drsowmyakoneru@gmail.com  
phone:  
**9502386224**

### Advisory committee Members:

1. Dr. K. Sowmya  
HOD, IT Department
2. Dr. G.L. Madhumati  
HOD, ECE Department
3. Dr. I. Sai Ram  
HOD, EEE Department
4. Dr. O. Srikanth  
HOD, ME Department
5. Dr. S. Suresh  
HOD, CSE Department
6. Dr. B. V. S. N Hari Prasad  
HOD, BS&H Department

### For further communication:

#### Coordinator:

Ch. Lavanya Susanna  
Assistant professor  
Department of IT  
Email ID: lavanyasusannadiet@gmail.com  
Contact No: 8106441770

## CHIEF PATRONS

- Sri. D. Ravindranath Tagore, Agriculturist  
& Industrialist Chairman, DVVST
- Sri. D. Bhavani Prasad,  
Secretary, DVVST
- Sri D.K.R.K. Ravi Prasad,  
Sr Dy. General Manager Bharat  
Electronics Limited, Machilipatnam
- Sri. D Nagendra Prasad,  
Entrepreneur MD, Hotel D V Manor
- Dr. Ravi Kadiyala,  
Principal, DIET, Vijayawada

A Two Week Certification Program  
on

*" Smart Sensors Based On IOT "*

8<sup>th</sup> Feb to 19<sup>th</sup> Feb 2021



**Organized by Department of  
INFORMATION TECHNOLOGY**

**Dhanekula Institute of Engineering  
and Technology**

(Accredited by NBA of AICTE, New Delhi & affiliated to JNTU  
Kakinada)

Ganguru,  
Vijayawada  
Krishna District, A.P (India)

www.diet.ac.in

### About the Department:

Dhanekula Institute of Engineering and Technology is established in 2009 by Sri Ravindranath Tagore, Chairman, Agriculturalist and industrial organizations of Dhanekula group. The college was located at Ganguru Vijayawada, Krishna District of Andhra Pradesh.

The college offers B.Tech. programme in six branches of Engineering, viz., Civil, EEE, ME, ECE, CSE & IT., and PG courses M.Tech in Computer Science and Environmental Engineering. All the eligible UG engineering programmes have been accredited by National Board of Accreditation (NBA) of AICTE, New Delhi and by NAAC. The college is also accredited by MHRD for Innovation cell and TBI by MSME, GoI.

### About the Department:

The department of Information Technology was established in 2020 with an intake of 60 students in the UG program. The department has highly qualified and experienced faculty and has good infrastructural facilities and is equipped with full-fledged laboratories. The department also has audio-visual facilities with enough LCD and OHP's for effective teaching. The staff members are deputed to participate in workshops, conferences and refresher courses to keep in pace with recent developments in the field of Information Technology.

### Objective of Certification Program:

1. Accurately monitor environmental factors such as temperature, moisture, and humidity
2. Understand the statistical concepts of sensors
3. Enhance data accuracy
4. Enable real-time monitoring
5. Improve overall system performance

### Topics covered.

- Introduction to IOT
- Introduction to sensors
- Communication Interfaces
- Transfer control statements
- Introduction to Micro controls
- Home Automation

Registration Details: Free

Last Date for Registration: 02.02.2021

### REGISTRATION FORM

A Two Week Certification Program

On

*" Smart Sensors Based On IOT "*

Name: \_\_\_\_\_

Reg No. \_\_\_\_\_

Department \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Phone \_\_\_\_\_

Email: \_\_\_\_\_

Signature of the Participant

Signature of Head of the Institution  
(With the official seal)



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### Department of Information Technology

A Two Week Certification program  
on

*Smart Sensors based on IOT*

(08.02.2021 to 19.02.2021)

Date	Session-I	Session-II
08.02.2021 (Monday)	Inauguration	Introduction to IOT
09.02.2021 (Tuesday)	Introduction to IOT Devices	Introduction to Sensors
10.02.2021 (Wednesday)	Introduction to Micro processors	Basics of Micro controllers
11.02.2021 (Thursday)	Introduction to Communication Devices	Basics of Signal processing
12.02.2021 (Friday)	Basics of Smart Locks	Introduction to Sensors data processing and Fusion
15.02.2021 (Monday)	Basics of Location aware applications based IOT	Introduction to Smart Energy Grid
16.02.2021 (Tuesday)	Basics of Sensors data retrieval	Introduction to Wireless technologies on IOT implementation
17.02.2021 (Wednesday)	Smart devices localization	Basics of Sensors data processing and Fusion

**18.02.2021**  
**(Thursday)**

Introduction to Multimodal  
Sensors

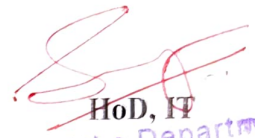
Introduction to Block chain  
techniques

**19.02.2021**  
**(Friday)**

Basics of Cloud computing

Valedictory

  
Co-ordinator

  
HoD, IT  
Head of the Department  
Department of Information Technology  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Gangurli VIJAYAWADA-521 139



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Department of Information Technology

Name of the program: *Smart Sensors based on IOT*

**Student List**

S.No	Roll Number	Name of the Student	Remarks
1	198T1A1201	ABDUL SOHAL AKTHAR	Sohal Akthar
2	198T1A1202	ARVAPALLI SIRISHA	A. SIRISHA
3	198T1A1203	BATTINA NEELAVENI	B. NEELAVENI
4	198T1A1204	BETHINA SRIKRISHNA	B. Srikrishna
5	198T1A1205	BIBI JAINAB	B. Soibeyhan
6	198T1A1206	BODDAPATI TEJA VAMSI	Tejavamsi
7	198T1A1207	CHAGARLAMUDI HARSHITHA	Vamsi Harshitha
8	198T1A1208	CHEEKATI RAJYA LAKSHMI	Rajya
9	198T1A1209	CHIGURUPATI BHAVYA	Bhavya
10	198T1A1210	CHIRAVURI SRAVANTHI	S. Sravanthi
11	198T1A1211	CHITTIBOMMA RUSHITHA	Ch. Rushitha
12	198T1A1212	DANDA SAI PRASANTH BABU	Sai Prashant
13	198T1A1213	DEEPAK CHOWDARY CHIGURUPATI	Deepak
14	198T1A1214	ELURI GANESH	E. Ganesh
15	198T1A1215	GADDE ANJANI	Anjan
16	198T1A1216	GOLLA BALU TULASI PRAKASH	Balu
17	198T1A1217	GOVADA MAHITHA	Mahitha
18	198T1A1218	KALAPALA MEGHANA	M. Meghana
19	198T1A1219	KANDEPU SIVA KRISHNA	S. Krishna
20	198T1A1220	KOMMURI JAGANNADH	J. Jagannadh
21	198T1A1221	KONDAPANENI MUKESH	M. Mukesh
22	198T1A1222	KOTAMRAJU PRASANNA SATYA KIRAN	K. Prasantha
23	198T1A1223	KRAPA KALYAN	K. Kalyan
24	198T1A1224	KUNA VENKATESH	venkatesh
25	198T1A1225	KUNAPARAJU VEERA VENKATA SAI VARMA	K. Venkatesai
26	198T1A1226	LANKE PRAVEEN KUMAR	P. Praveen
27	198T1A1227	MANDAVA DEVAKUMAR	DEVAKUMAR
28	198T1A1228	MANNEM RAGHAVAMMA	R. Raghavamma
29	198T1A1229	MATTA LASWEE GRACE	M. Laswee
30	198T1A1230	METLA JAGADEESH	Jagadeesh
31	198T1A1231	MOHAMMAD ABDUL SAMAD	M. Samad
32	198T1A1232	NIMMAGADDA GREESHMA	G. Greeshma
33	198T1A1233	NIMMALA HEMA LATHA	H. Hemalatha
34	198T1A1234	PAMIDI RAMA TEJASWINI	P. Tejaswini
35	198T1A1235	PARASA HARI PRIYA	P. Haripriya
36	198T1A1236	PATAPATI MAHESH BABU	M. Mahesh Babu



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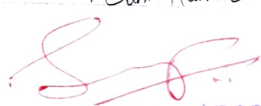
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S.No	Roll Number	Name of the Student	Remarks
37	198T1A1237	POKA V N ANIL KUMAR CHOWDARY	
38	198T1A1238	PONNAGANTI SIRISHA	Anil
39	198T1A1239	PUVVULA SREE KAVYA	Sirisha
40	198T1A1240	RAAVI PRANEETHA	Sri Kavya
41	198T1A1241	RAYALA KRISHNA SOWMYA	PRANEETHA
42	198T1A1242	SAPPA VISWESWARA RAO	* Sowmya
43	198T1A1243	SHAIK ASEEF	S. visweswar
44	198T1A1244	SINGAMANENI SURYA	S. Aseef
45	198T1A1245	SISTLA NITHISH	S. Surya
46	198T1A1246	SYED MEHATAJ	S. Nithish
47	198T1A1247	TADEPALLI TEJASWINI	S. MEHATAJ
48	198T1A1248	TATIPARTHI KAMALA SREE VALLI	T. Tejaswini
49	198T1A1249	THATI LOKESH KUMAR	T. Kamala Sree
50	198T1A1250	VALLABHU KATHYAYANI KARISHMA	T. Lokesh Kumar
51	198T1A1251	VASANA NAGA SUREKHA	V. Karishma
52	198T1A1252	VEERAGANDAM SAI KUMAR	V. N. Surekha
53	198T1A1253	VEERAMACHANENI LAKSHMI LOHITHA	V. Saikumar
54	198T1A1254	VEMULA B S SAI RAJA	V. Lohitha
55	198T1A1255	VENNA NAVYASREE	Vemula
56	198T1A1256	VUNNAM ESWARCHANDU	V. Navyasree
57	198T1A1257	PASUPULETI SUNIL KUMAR	V. Swarchandu P. Sunil Kumar

  
Coordinator

  
Head of the Department  
HOD, INF  
Department of Information Technology  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vijayawada - 521 139





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## Department of Information Technology

Name of the Program: *Smart Sensors Based On IOT*

S. No	Roll No	Name	08-02-2021		09-02-2021		10-02-2021		11-02-2021		12-02-2021		15-02-2021		16-02-2021		17-02-2021		18-02-2021		19-02-2021			
			F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F	A		
1	198T1A1201	ABDUL SOHAL AKTHAR	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P		
2	198T1A1202	ARVAPALI SIRISHA	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
3	198T1A1203	BATTINA NEELAVENI	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
4	198T1A1204	BETHINA SRIKRISHNA	A	A	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P		
5	198T1A1205	BIBI JAINAB	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P		
6	198T1A1206	BODDAPATI TEJA VAMSI	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P		
7	198T1A1207	CHAGARLA MUDI HARSHITHA	P	P	P	P	P	P	P	P	A	A	P	P	A	A	P	P	P	P	P	P		
8	198T1A1208	CHEEKATI RAJYA LAKSHMI	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P



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9	198T1A1209	CHIGURUPA TI BHAVYA	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P
10	198T1A1210	CHIRAVURI SRAVANTHI	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P
11	198T1A1211	CHITTIBOM MA RUSHITHA	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	A	A	P
12	198T1A1212	DANDA SAI PRASANTH BABU	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
13	198T1A1213	DEEPAK CHOWDARY CHIGURUPA TI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A
14	198T1A1214	ELURI GANESH	A	A	P	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P
15	198T1A1215	GADDE ANJANI	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
16	198T1A1216	GOLLA BALU TULASI PRAKASH	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
17	198T1A1217	GOVADA MAHITHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
18	198T1A1218	KALAPALA MEGHANA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
19	198T1A1219	KANDEPU SIVA KRISHNA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P





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30	198T1A1230	METLA JAGADEESH	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
31	198T1A1231	MOHAMMA D ABDUL SAMAD	P	P	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P
32	198T1A1232	NIMMAGAD DA GREESHMA	A	A	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
33	198T1A1233	NIMMALA HEMA LATHA	P	P	P	P	P	A	A	P	P	P	P	P	P	P	A	A	P
34	198T1A1234	PAMIDI RAMA TEJASWINI	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
35	198T1A1235	PARASA HARI PRIYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
36	198T1A1236	PATAPATI MAHESH BABU	P	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P
37	198T1A1237	POKA V N ANIL KUMAR CHOWDARY	P	P	P	P	P	P	P	P	P	P	A	A	P	P	A	A	P
38	198T1A1238	PONNAGANTI SIRISHA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
39	198T1A1239	PUVVULA SREE KAVYA	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
40	198T1A1240	RAAVI PRANEETHA	P	P	P	P	P	P	P	P	P	P	P	P	A	A	P	P	P





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55	198T1A1255	VENNA NAVYASREE	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P
56	198T1A1256	VUNNAM ESWARCILAND U	P	P	P	P	P	P	P	A	A	P	P	P	P	P	P	P	P	P
57	198T1A1257	PASUPULETI SUNIL KUMAR	P	P	P	P	A	A	P	P	P	P	P	A	A	P	P	P	P	P

  
Co-ordinator

  
Head of the Department  
Department of Information Technology  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, VIJAYAWADA-521 139



**Department Of Information Technology**

22.02.2021

**PROGRAM REPORT**

**Name of the Event :** A Two Week Certification program on **SMART SENSORS BASED ON IOT**

**Date:** 08.02.2021 to 19.07.2021

**Resource Persons:**

1. Mr.K.Sandeep  
Assistant professor  
Department of CSE  
Email: [kottesandeep@gmail.com](mailto:kottesandeep@gmail.com)  
Contact Number: 9160113333
2. Dr.K.Sowmya  
Professor  
Department of IT  
Email ID: [konerusowmya@gmail.com](mailto:konerusowmya@gmail.com)  
Contact No: 9502386224

**Name of the Co-Ordinator:** Ch.Lavanya Susanna

**Number of Students Attended :** 57

**Venue:** T16

**Objectives:**

- **IoT technology makes it possible to provide a unique identifier for almost anything and to transmit data from or about those things over the internet or a similar sensor network. One implementation of smart sensors is as components of a wireless sensor and actuator network, which can have thousands of nodes**
- **Accurately monitor environmental factors such as temperature, moisture, and humidity**
- **Understand the statistical concepts of sensors**
- **Enable real-time monitoring**
- **Improve overall system performance**
- **Enhance data accuracy**

**Learning Outcomes :**

- **Develop awareness and master basic programming concepts to solve real problems.**
- **Understand and master data handling, processing, and visualization.**



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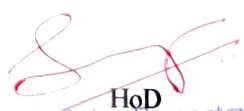
E-mail: [diet\\_principal@gmail.com](mailto:diet_principal@gmail.com), [principal@diet.ac.in](mailto:principal@diet.ac.in), website: [www.diet.ac.in](http://www.diet.ac.in), Phone: +91-8333924842, 8333924843

- Conceptually visualize and describe Machine Learning.
- Analyze and consider data classification using powerful algorithms on publicly available datasets.
- Examine and implement data regression using powerful algorithms on publicly available datasets.
- Understand and demonstrate data clustering.
- Apply software methodology to create application
- Identify the real-world application in which machine learning makes a difference in our lives
- Collaborate with teammates to complete a project
- Identify the state of the art related to all topics of machine learning.



DhaneKula Institute of Engineering and Technology has organized “A Two Week Certification program SMART SENSORS BASED ON IOT” for II year B.Tech IT students 08-02-2021 to 19-02-2021. A total of 57 students were participated in this program.

  
Co-Ordinator

  
HoD  
Head of the Department  
Department of Information Technology  
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## Department of Information Technology

### Assessment Form

Name of the Program: A Two Week Certification program on SMART SENSORS BASED ON IOT

Date : 19-02-2021

Time : 30 min

Max Marks : 15 \* 1 = 15 Marks

Reg No: 198T1A1203

Academic Year : 2020-21

Year/Sem : II-II

- 1 Input signal to smart sensor is fed from \_\_\_\_\_ [ b ] ✓
  - a) Power supply
  - b) Transducer
  - c) Volt meter
  - d) All of the mentioned
- 2 Output of smart sensors will of \_\_\_\_\_ [ b ] ✓
  - a) Analog
  - b) Digital
  - c) Analog and digital
  - d) None of the mentioned
- 3 Filter that amplifies frequency above a certain value is called? [ c ] ✗
  - a) low pass filter
  - b) high pass filter
  - c) band pass filter
  - d) band stop filter
- 4 IR sensors are used in detection of \_\_\_\_\_ [ d ] ✓
  - a) Organic gases
  - b) Inorganic gases
  - c) Vapours
  - d) All of the mentioned
- 5 Which of the following defines smartness of sensor? [ d ] ✓
  - a) Quality of data
  - b) Circuit size
  - c) Circuit components
  - d) All of the mentioned
- 6 Signal conditioning is carried out in \_\_\_\_\_ [ c ] ✓
  - a) Transducer housing

13  
15

- 2
- b) Processor
  - c) Network interface
  - d) None of the mentioned
- 7 The more correct a sensor can measure, the more \_\_\_\_\_ it is. [a] ✓
- a) Accurate
  - b) Precise
  - c) Scaled
  - d) Extent
- 8 The smallest change which a sensor can detect is termed: [c] ✓
- a) Accuracy
  - b) Precision
  - c) Resolution
  - d) Scale
- 9 Touch screen of mobile phone uses: [d] ✓
- a) AFR Sensor
  - b) Pellistor
  - c) Viscometer
  - d) Tactile sensors
- 10 Sound to electrical energy transducer: [a] ✓
- a) Microphone
  - b) AFR
  - c) Tactile sensor
  - d) Pellistor
- 11 Thermocouple generate output voltage according to \_\_\_\_\_ [c] ✓
- a) Circuit parameters
  - b) Humidity
  - c) Temperature
  - d) Voltage
- 12 Which of the following is not an analog sensor? [d] ✓
- a) Potentiometer
  - b) Force-sensing resistors
  - c) Accelerometers
  - d) None of the mentioned
- 13 Which of the following can not be considered an IoT device? [b] ✓
- a) Smartwatch
  - b) Andriod Phone

- c) Laptop
- d) Tubelight

14 Which is not an IoT platform? - [C]

- a) Xiaomi Cloud
- b) Google cloud
- c) Myntra
- d) AWS(Amazon Web Services)

15 What is the standard form of RFID? [a]

- a) Radio Frequency Identification
- b) Radio Waves Frequency Identification
- c) Radio frequency interdependent
- d) Radio frequency independent



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## **CERTIFICATE OF PARTICIPATION**

This is to certify that

Mr/Mrs/Ms B. JAINAB from  
DhaneKula Institute of Engineering & Technology has participated in a  
Two-week Certification Program on

### **"SMART SENSORS BASED ON IOT"**

Organized by the Department of  
Information Technology from  
08-02-2021 TO 19-02-2021

  
COORDINATOR

  
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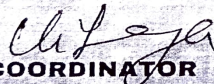
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**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**

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Date: 08/01/2021


**CIRCULAR**

This is hereby to inform all the III B. Tech students that the CSE department is organizing **A Two-Week Certification Program on Web Development using JAVA** by Mr.R. Phani Kishore, Assistant Professor of CSE from 18-01-2021 to 30-01-2021. Hence all the students are informed to enroll their names on or before 13-01-2021 and utilize this opportunity.

**Venue:** CSE Seminar Hall

**Co-Ordinator:** Mrs. L. N. B. Jyostna, Assistant Professor, Dept. of CSE

  
**Co-Ordinator**

  
**HOD**  
Head of the Department  
Computer Science & Engineering  
**DHANEKULA INSTITUTE**  
**OF ENGINEERING AND TECHNOLOGY**  
Ganguru, Vijayawada-521

Dhanekula Institute of Engineering Technology, established in the year 2009, which is the first of its kind Technical Institute founded by Sri Dhanekula Ravindranath Tagore, a visionary and a living legend. Affiliated to JNTUK, Kakinada and approved by AICTE, has been awarded the ISO 9001:2000 Certification for academic standard by the internationally acclaimed TUV, Germany. It aims at providing a sound technical knowledge and broad vision to the technocrats of future as they are prepared for a successful tomorrow. To achieve the motto it has a comprehensive pedagogical structure which provides paramount academic skills, curriculum with the ever revolving dynamics of global business environment, esteemed faculty with their vast experience and expertise and world class facilities.

The institute is located in a serene atmosphere with magnanimous buildings having ultramodern computer labs, separate well-stocked IT library, high speed Internet connectivity to meet the latest trends of teaching requirements in the area of technical teaching and learning. The college has an Institutional Membership with CSI and currently various activities are carried out under CSI student chapter. The institution is well stocked with various online journals to promote research and advances in technology for both students and faculty.

This world class institute with global standards offers courses at the Undergraduate level in five areas (CE, ME, EEE, ECE, CSE) of engineering, at the Post Graduate level in two areas (ECE & CSE) of engineering and at Diploma level in four areas (CE, ME, EEE, ECE) of engineering

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Sri Dhanekula Ravindranath Tagore  
Chairman

### Patrons :-

Sri Dhanekula Bhavani Prasad  
Secretary & Correspondent.  
Dr. Ravi Kadiyala  
Principal.

### Co-Ordinators :-

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HOD&Prof., Department of CSE.  
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Department of Computer Science and Engineering  
Dhanekula Institute of Engineering & Technology  
is a private college located in Ganguru, near Vijayawada  
city in Andhra Pradesh. It is affiliated to JNTUK Kakinada.  
Website: [www.diet.ac.in](http://www.diet.ac.in)



**A Two-Week Certification Program  
on  
Web development using java**

(JAN 18th - 30th, 2021)

**Organized by  
Computer science and engineering**



**DHANEKULA**  
INSTITUTE OF ENGINEERING  
AND TECHNOLOGY

## ABOUT THE DEPARTMENT

The Computer Science & Engineering department has become the centre for learning with its excellent infrastructure and other facilities. The CSE Labs are well equipped with Dual Core clients running on Windows and Linux licensed latest versions of operating systems and software's, Xeon server equipped with all licensed software's.

The systems in the entire campus are connected through 10/100/1000 Mbps CAT 6 UTP cabling, high-end routers and switches with 42Mbps internet facility and optical fiber cable running all over the campus. The labs are established with an objective to promote practical knowledge in latest cutting-edge technologies and research work.

The department is having well qualified and experienced faculty members. The faculty is a perfect blend of different specializations in Computer Science and Engineering to impart their expertise in handling diversified courses of the Undergraduate programs. The teaching methodology in the department goes beyond fulfilling the syllabus requirements of the University, to meet the today's industry needs.

## ABOUT THE THEME

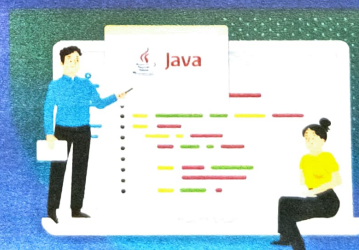
This theme focused on Microsoft Dynamic 365 , goal is to provide knowledge and skills they need to done effectively on Microsoft Dynamic 365 concepts to the students


## MAJOR COURSE CONTENTS

- Introduction to Web Development and Java Basics
- Frontend vs. backend development
- Introduction to HTML, CSS, and JavaScript
- Introduction to Java Basics
- Object-Oriented Programming (OOP) in Java
- Advanced Java and Web Development
- Handling HTTP requests and responses
- Servlet lifecycle and configuration
- Integrating Java code into HTML
- Session management in web applications
- Dependency Injection and Inversion of Control (IoC)
- Building a simple Spring MVC application

## OUTCOMES

- Understanding Web Development Architecture:
- Create and style web pages using HTML and CSS.
- Develop server-side applications using Java Servlets to handle HTTP requests and responses.
- Dynamic Web Pages with JSP:
- MVC Architecture Understanding:
- Introduction to Spring Framework:
- Building a Simple Web Application:



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**DEPARTMENT OF  
COMPUTER SCIENCE & ENGINEERING**

**REGISTRATION CUM NOMINATION FORM**

**A TWO-WEEK CERTIFICATION PROGRAM  
ON  
WEB DEVELOPEMENT USING JAVA  
(JAN 18TH - 30TH, 2021)**

Name : \_\_\_\_\_

Redg. No: \_\_\_\_\_

Department: \_\_\_\_\_


College Name : \_\_\_\_\_

Mobile No. : \_\_\_\_\_

Email : \_\_\_\_\_

Address : \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Signature of participant

 **VENUE: SEMINAR HALL**  
Dhanekula Institute of Engg. &Tech., Ganguru,  
Vijayawada - 521139





**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**

**GANGURU :: VIJAYAWADA – 521 139**

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**Department of Computer Science and Engineering**

**A Two-Week Certification Program**


**On**

**Web Development using JAVA.**

**(18-01-2021 to 30-01-2021)**

<b>Date</b>	<b>Session – I</b>	<b>Session – II</b>	<b>Session – III</b>
18-01-2021	Introduction to Web Development and Java Basics	Overview of web development and its importance	Hands on Session
19-01-2021	Frontend vs. backend development	Introduction to HTML, CSS, and JavaScript	Hands on Session
20-01-2021	Introduction to Java Basics	Java Functions and methods	Hands on Session
21-01-2021	Object-Oriented Programming (OOP) in Java	Inheritance, polymorphism, encapsulation, and abstraction	Hands on Session
22-01-2021	Introduction to Java classes and methods	Advanced Java and Web Development	Hands on Session
23-01-2021	Introduction to Java Servlets	Handling HTTP requests and responses	Hands on Session
25-01-2021	Servlet lifecycle and configuration	Introduction to JavaServer Pages (JSP)	Hands on Session
27-01-2021	Integrating Java code into HTML	Session management in web applications	Hands on Session
28-01-2021	Spring Framework Basics	Dependency Injection and Inversion of Control (IoC)	Hands on Session
29-01-2021	Building a simple Spring MVC application	Project Work and Recap	Hands on Session
30-01-2021	Project Work and Recap	Project Work and Recap	Hands on Session

  
**Co-Ordinator**

  
**HOD**  
Head of the Department  
Computer Science & Engineering  
DHANEKULA INSTITUTE



# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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## Department of Computer Science and Engineering

### A Two-Week Certification Program

On

### WEB DEVELOPMENT USING JAVA

(18-01-2021 to 30-01-2021)

S.No	Roll Number	Name of the Student	Signature
1	178T1A0548	MALLIPEDDI DINESH	Dinesh
2	188T1A0501	ABDUL AFROZ	Afroz
3	188T1A0502	ADUSUMILLI SASI BHARATHI	Adusumilli Sasi Bharathi
4	188T1A0503	AJMEERU GOWTHAMI	Ajmeeru Gowthami
5	188T1A0505	ATLURI HARSHITHA	Harshitha
6	188T1A0506	BADE NAVYA	B. Navya
7	188T1A0507	BOINA KAVYA SRI NAGA PRAHARSHINI	B. Sri Navya
8	188T1A0508	BONDALA PRIYANKA	Priyanka
9	188T1A0509	BOPPUDI RAMYA	Ramyaa
10	188T1A0510	BURLA SRAVANI	Sravani
11	188T1A0511	CHIGILISSETTY TANMAI	Ch. Tanmai
12	188T1A0512	DONEPUDI NAGA SAI DHARANI	D. Durgam
13	188T1A0513	GADE EESHWAK REDDY	E. Eshwara
14	188T1A0514	GULLAPUDI KUSAMA NAVYA SUSEELA	Suseela
15	188T1A0515	GURRALA RAMA PRIYA	G. Rama Priya
16	188T1A0516	IMADABATHUNI SIDDU SWARUP	Swarupa
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20	188T1A0520	JASTI KAVYA	J. Kavya
21	188T1A0521	KAMINENI PRAVARDHA	K. Pravardha
22	188T1A0522	KARRI JAYANTH SAI	Jayanth Sai
23	188T1A0524	KOLLI BHUVANESH	K. Bhuvanesh
24	188T1A0525	KOLLI SAI LOHITH	K. Sai Lohith
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26	188T1A0527	KOTA LAKSHMI TULASI	K. Tulasi
27	188T1A0528	KROTHA DURGA PUJITHA	K. Durgam
28	188T1A0529	KUDIPUDI KANCHANA	Kanchana
29	188T1A0530	KUNDURTHY SAI SRIKAR	K. Sai Srikar

30	188T1A0531	LINGAMANENI NISHITHA	L. Nishitha
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32	188T1A0533	MANIKONDA SHALINI	Shalini
33	188T1A0534	MANIMALA NAGA SAI DURGA PRASAD	M. Prasad
34	188T1A0535	MOHAMMAD CHANDINI	M. Chandini
35	188T1A0536	MOHAMMAD FAZALULLA	M. Fazalulla
36	188T1A0537	MUMMANENI LIKHITH	M. Likhith
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38	188T1A0539	NAMBURI KUMAR SURYAVARMA	Suryavarma
39	188T1A0540	NELAKURTHI TEJA	N. Teja
40	188T1A0541	NELLURI SRI LAKHA	Sri Lakha
41	188T1A0542	NOOKALA YESHWANTH	N. Yeswanth
42	188T1A0543	PALADUGU ROHITH	P. Rohith
43	188T1A0544	PAMARTHI GEETHA SRI	P. Geetha Sri
44	188T1A0545	PARUCHURI ARUN	P. Arun
45	188T1A0546	PINNAMANENI NITHIN	Nithin
46	188T1A0547	RITIKAA TIWARI	R. Tiwari
47	188T1A0548	SHAIK ALKASHA	Sh. Alkasha
48	188T1A0549	SHAIK AYESHA	Sh. Ayesha
49	188T1A0550	SHAIK MARIYA MUSKAAN	Sh. Muskaan
50	188T1A0551	SIVA PUJA PASUPULATI	SIVA PUJA
51	188T1A0552	SUMAYYA FARHEEN	S. Farheen
52	188T1A0553	SUMAYYA KOWSAR	S. Kowsar
53	188T1A0554	SWATHI VEMULA	VEMULA
54	188T1A0555	TADAPANENI GOPI KRISHNA	Swathi Vemula
55	188T1A0556	UPPALA BHAVIKA	U. Bhavika
56	188T1A0557	VADDI AASRITHA	V. Aasritha
57	188T1A0558	VARRE AKHILA	V. Akhila
58	188T1A0559	YARLAGADDA GOPI SRI KRISHNA	Y. Krishna
59	188T1A0560	YENIGALLA JOTHSNA	Y. Jothsna
60	198T5A0501	BALASA JAI SURYA	Jai Surya
61	198T5A0502	DASARI AKHILA	Akhila
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64	198T5A0505	KONERU AMRUTHA	Amrutha
65	198T5A0506	RISHITHA DASARI	R. Rishitha
66	188T1A0561	ADDEPALLI DIVYA ISHWARYA	A.D. Ishwarya
67	188T1A0562	ANNAM KOMALI RADHA SRI MOUNIKA	A.K. Mounika
68	188T1A0563	BALLA BHARGAV SRIRAM	Bhargav Sriram
69	188T1A0565	DALAPATHIRAO KRISHNA PRIYA	Krishna Priya
70	188T1A0566	DASINENI JAI SURENDRA	Surendra
71	188T1A0567	DEVINENI KIRANMAYI	Kiranmai
72	188T1A0568	DHARMARAO NAGA LAKSHMI	D. Nagalaxmi
73	188T1A0569	E MADAN MOHAN REDDY	E. M. Mohan

74	188T1A0570	GORRELA HARSHA SREE	G. Harsha sree
75	188T1A0571	GUJJULA VAMSI KUMAR REDDY	G. V. K. Reddy
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77	188T1A0573	GURUVINDAPALLI RAJ KUMAR	G. Raj Kumar
78	188T1A0574	GUVVALA RAMYA SRI	G. Ramya Sri
79	188T1A0575	KANCHARLA BHAVYA	Bhavya
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88	188T1A0584	LAKSHMIPURAM YUVARAJ	Yuvraj
89	188T1A0585	LUKKA VAMSI KRISHNA	Vamsi Krishna
90	188T1A0586	MAHAMMAD AFREEN FATHIMA	Fathima
91	188T1A0587	MAKKINA RIBKA	M. Ribka
92	188T1A0588	MALLELA BHOJA MADHURI SAI	Madhuri
93	188T1A0589	MANCHALA PUJITHA	Pujitha
94	188T1A0590	MANDAVA ROHITH PHANENDRA	M. Rohith
95	188T1A0592	MOLAKALAPALLI ESWAR PRASAD	E. Swarn Prasad
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97	188T1A0595	MUDDINENI DIVYA SREE	M. Divyasree
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99	188T1A0597	NOMULA SRUTHI	N. Sruthi
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101	188T1A0599	PUNUKOLLU NAGA SANDHYA	P. Nagasandhya
102	188T1A05A0	RAVURI VASANTHI	R. Vasanthi
103	188T1A05A1	SANAKA J PRADEESH	S. J. Pradeesh
104	188T1A05A2	SAPPA BABITHA	Sappa Babitha
105	188T1A05A3	SATHUPALLI SREE DURGA SUCHARITHA	D. Sucharitha
106	188T1A05A4	SENAGA ANUSHA	Anusha
107	188T1A05A5	SHAIK AREEF	Areef
108	188T1A05A6	SHAIK SHAHIR AHAMED	Ahmed
109	188T1A05A7	SUNKARA RAJYA LAKSHNMI	S. Lakshmi
110	188T1A05A8	TUMMA SWAPNA	T. Swapna
111	188T1A05A9	VALLABHAPURAM SINDHU	V. Sindhu
112	188T1A05B0	VANKAYALAPATI RAMYA	Ramya
113	188T1A05B1	VARADA SARANYA LAKSHMI	V. Saranya Lakshmi
114	188T1A05B2	VEERANKI SRI BHAVANA	V. Bhavana
115	188T1A05B3	VEMPALA PAVAN KUMAR	V. Pavan Kumar
116	188T1A05B4	VISWANATHAPALLI KALYAN	V. Kalyan
117	188T1A05B6	YADLAPATI OM SAI	Om Sai

118	188T1A05B7	SURI SAILAJA	S. Sailaja
119	198T5A0507	LANKA USHA SRI	<del>Usha Sri</del>
120	198T5A0508	MAGANTI DINESH PRABHU KUMAR	M. Dinesh Prabhu
121	198T5A0509	KOUDODI MANOJ SAI	K. Sai
122	198T5A0510	NAKKA HARAN RAJ	N. Haran Raj
123	198T5A0511	SHAIK MASHUK RABBANI	M. Mashuk Rabbani
124	198T5A0512	VINNAKOTA SASANK	V. Sasank
125	198T5A0513	CHENNU AMAR TEJA	C. Amar Teja
126	198T5A0514	MANDURI BHARGAVI	Mr. Bhargavi
127	198T5A0515	MANDA SAI SIVA NAGA RAJU	M. Siva Naga Raju

Co-Ordinator

HOD

Head of the Department  
Computer Science & Engineering  
**DHANEKULA INSTITUTE**  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vijayawada-521 139



S. No	Roll No	Name	18-01-2021	19-01-2021	20-01-2021	21-01-2021	22-01-2021	23-01-2021	24-01-2021	25-01-2021	27-01-2021	28-01-2021	29-01-2021	30-01-2021
		SUSEELA	P	a	P	P	P	P	P	P	P	P	P	P
15	188T1A0515	GURRALA RAMA PRIYA	P	P	P	P	P	P	P	P	A	P	P	P
16	188T1A0516	IMADABATHUNI SIDDU SWARUP	a	P	a	P	a	P	A	P	P	P	P	P
17	188T1A0517	INKOLLU SAI KARTHIK	P	P	P	a	P	P	P	P	P	A	P	P
18	188T1A0518	JAHNAVI KANKANALA	P	P	P	P	P	P	P	P	P	A	P	P
19	188T1A0519	JANNU SINDHURA	P	P	P	P	P	a	A	P	P	P	P	P
20	188T1A0520	JASTI KAVYA	P	a	P	P	a	P	P	P	P	P	P	P
21	188T1A0521	KAMINENI PRAVARDHA	P	P	P	P	P	P	P	P	A	P	P	P
22	188T1A0522	KARRI JAYANTH SAI	P	P	P	a	a	P	P	P	A	P	P	P
23	188T1A0524	KOLLI BHUVANESH	P	P	P	P	P	P	A	P	A	A	P	P
24	188T1A0525	KOLLI SAI LOHITH	P	P	a	P	P	P	P	P	A	A	P	P
25	188T1A0526	KOMMA VENUMADHAVI	P	P	P	P	P	P	P	P	A	A	P	P
26	188T1A0527	KOTA LAKSHMI TULASI	P	P	P	P	P	P	P	P	P	A	P	P
27	188T1A0528	KROTHA DURGA PUJITHA	P	P	P	P	P	P	P	P	A	P	P	P
28	188T1A0529	KUDIPUDI KANCHANA	P	P	P	a	P	a	P	P	P	P	P	P
29	188T1A0530	KUNDURTHY SAI SRIKAR	P	P	P	P	P	P	P	P	A	P	P	P
30	188T1A0531	LINGAMANENI NISHITHA	P	P	P	a	P	P	A	P	P	P	P	P
31	188T1A0532	MAHAMUDA KHATUN	a	P	P	P	a	P	P	P	A	A	P	P
32	188T1A0533	MANIKONDA SHALINI	P	P	P	P	P	P	P	P	P	A	P	P
33	188T1A0534	MANIMALA NAGA SAI DURGA PRASAD	P	a	P	P	P	P	P	P	A	P	P	P
34	188T1A0535	MOHAMMAD CHANDINI	P	P	P	P	P	P	P	P	P	A	P	P
35	188T1A0536	MOHAMMAD FAZALULLA	P	P	P	a	P	P	P	P	A	A	P	P
36	188T1A0537	MUMMANENI LIKHITH	P	P	P	P	P	P	P	P	A	A	P	P
37	188T1A0538	MUPPAVARAPU UMA PRIYA	P	P	P	P	P	P	P	P	A	A	P	P
38	188T1A0539	NAMBURI KUMAR SURYAVARMA	P	P	P	P	P	P	P	P	P	A	P	P
39	188T1A0540	NELAKURTHI TEJA	P	P	P	a	P	a	P	P	A	P	P	P
40	188T1A0541	NELLURI SRI LAKHA	P	P	P	P	a	P	P	P	P	P	P	P
41	188T1A0542	NOOKALA YESHWANTH	P	P	P	P	P	P	P	P	A	A	P	P
42	188T1A0543	PALADUGU ROHITH	P	P	P	P	P	P	A	P	P	A	P	P






S. No	Roll No	Name	18-01-2021	19-01-2021	20-01-2021	21-01-2021	22-01-2021	23-01-2021	25-01-2021	27-01-2021	28-01-2021	29-01-2021	30-01-2021
72	188T1A0568	DHARMARAO NAGA LAKSHMI	P	P	a	P	P	a	A	A	P	P	P
73	188T1A0569	E MADAN MOHAN REDDY	P	P	P	P	P	P	P	P	P	P	P
74	188T1A0570	GORRELA HARSHA SREE	P	P	P	a	a	P	P	A	A	P	P
75	188T1A0571	GUJJULA VAMSI KUMAR REDDY	P	P	P	P	P	P	P	P	A	P	P
76	188T1A0572	GUNDE SUSHANTH BIKKY JOSEPH	P	a	P	P	P	P	P	A	A	P	P
77	188T1A0573	GURUVINDAPALLI RAJ KUMAR	a	P	P	a	a	P	P	A	P	P	P
78	188T1A0574	GUVVALA RAMYA SRI	P	P	P	P	P	P	P	P	P	P	P
79	188T1A0575	KANCHARLA BHAVYA	P	P	P	P	P	P	P	P	A	P	P
80	188T1A0576	KANCHARLA PRAVEEN KUMAR	P	P	P	P	P	a	P	P	A	P	P
81	188T1A0577	KANCHARLA SWETHA	P	P	P	P	P	a	A	A	P	P	P
82	188T1A0578	KANDA JYOTHIKA NAIDU	P	P	P	P	P	P	P	P	P	P	P
83	188T1A0579	KAPUDASI AVINASH	P	P	P	P	P	P	P	P	A	P	P
84	188T1A0580	KILLADA TEJA	P	P	P	a	P	P	P	P	P	P	P
85	188T1A0581	KOLLURI VENNELA	P	P	P	P	a	P	P	P	A	P	P
86	188T1A0582	KOTA GEETARDHA	a	P	P	P	P	P	P	P	A	P	P
87	188T1A0583	KUNTA BHARGAVI	P	P	P	P	P	P	P	P	P	P	P
88	188T1A0584	LAKSHMIPURAM YUVARAJ	P	P	P	P	P	P	P	P	P	P	P
89	188T1A0585	LUKKA VAMSI KRISHNA	P	P	P	a	P	P	P	A	A	P	a
90	188T1A0586	MAHAMMAD AFREEN FATHIMA	P	P	P	P	a	P	P	A	P	P	P
91	188T1A0587	MAKKINA RIBKA	P	P	P	P	P	P	P	A	P	P	P
92	188T1A0588	MALLELA BHOJA MADHURI SAI	P	P	a	P	P	P	P	P	P	P	P
93	188T1A0589	MANCHALA PUJITHA	P	P	P	a	P	P	P	P	P	P	P
94	188T1A0590	MANDAVA ROHITH PHANENDRA	P	P	P	P	P	P	P	P	P	P	P
95	188T1A0592	MOLAKALAPALLI ESWAR PRASAD	P	P	P	P	a	P	P	P	A	P	P
96	188T1A0593	MONDEDDU DIVYASRI	P	P	P	P	P	P	P	P	A	P	P

S. No	Roll No	Name	18-01-2021	19-01-2021	20-01-2021	21-01-2021	22-01-2021	23-01-2021	24-01-2021	27-01-2021	28-01-2021	29-01-2021	30-01-2021
97	188T1A0595	MUDDINENI DIVYA SREE	P	P	P	a	P	P	P	A	P	P	P
98	188T1A0596	NALLIBOINA JAGADEESH	P	P	P	P	a	P	P	P	P	P	P
99	188T1A0597	NOMULA SRUTHI	P	P	P	P	P	a	P	A	A	P	P
100	188T1A0598	PERISOMULA GAYATHRI CHAKRADHAR	P	P	P	P	P	P	P	P	P	P	P
101	188T1A0599	PUNUKOLLU NAGA SANDHYA	P	P	a	P	P	P	P	P	P	P	P
102	188T1A05A0	RAVURI VASANTHI	P	P	P	a	P	P	P	P	A	P	P
103	188T1A05A1	SANAKA J PRADEESH	a	P	P	P	a	P	P	P	P	P	P
104	188T1A05A2	SAPPA BABITHA	P	P	P	P	P	P	A	P	P	P	P
105	188T1A05A3	SATHUPALLI SREE DURGA SUCHARITHA	P	a	P	P	P	P	P	A	P	a	P
106	188T1A05A4	SENAGA ANUSHA	P	P	P	P	P	P	P	P	A	P	P
107	188T1A05A5	SHAIK AREEF	P	P	P	P	a	P	P	P	A	P	P
108	188T1A05A6	SHAIK SHAHIR AHAMED	P	P	P	a	P	P	P	P	P	P	P
109	188T1A05A7	SUNKARA RAJYA LAKSHNMI	P	P	P	P	P	P	P	P	P	P	P
110	188T1A05A8	TUMMA SWAPNA	P	P	P	P	P	P	P	P	P	P	P
111	188T1A05A9	VALLABHAPURAM SINDHU	P	P	P	P	P	P	P	A	P	P	P
112	188T1A05B0	VANKAYALAPATI RAMYA	P	a	P	P	P	P	P	P	P	P	P
113	188T1A05B1	VARADA SARANYA LAKSHMI	P	P	P	P	P	P	P	P	P	P	P
114	188T1A05B2	VEERANKI SRI BHAVANA	P	P	P	P	P	a	P	P	P	P	P
115	188T1A05B3	VEMPALA PAVAN KUMAR	P	P	P	P	a	P	P	P	P	P	P
116	188T1A05B4	VISWANATHAPALLI KALYAN	P	P	P	a	P	P	P	P	P	P	P
117	188T1A05B6	YADLAPATI OM SAI	P	P	a	P	P	P	P	P	P	P	P
118	188T1A05B7	SURI SAILAJA	P	P	P	a	P	P	P	P	P	P	P
119	198T5A0507	LANKA USHA SRI	P	P	P	P	P	P	P	P	P	P	P
120	198T5A0508	MAGANTI DINESH PRABHU KUMAR	a	P	P	P	P	P	P	A	P	P	P
121	198T5A0509	KOUDODI MANOJ SAI	P	P	P	P	P	a	P	P	P	P	P
122	198T5A0510	NAKKA HARAN RAJ	P	P	P	P	P	P	P	P	P	P	P
123	198T5A0511	SHAIK MASHUK RABBANI	P	P	P	P	P	P	P	P	P	P	P
124	198T5A0512	VINNAKOTA SASANK	P	P	P	P	P	P	P	P	P	P	P
125	198T5A0513	CHENNU AMAR TEJA	P	P	P	a	P	P	P	P	P	P	P

S. No	Roll No	Name	18-1-2021	19-01-2021	20-01-2021	21-01-2021	22-01-2021	23-01-2021	24-01-2021	27-01-2021	28-01-2021	29-01-2021	30-01-2021
126	198T5A0514	MANDURI BHARGAVI	P	P	P	a	P	P	P	A	P	P	P
127	198T5A0515	MANDA SAI SIVA NAGA RAJU	P	P	P	P	P	a	P	P	A	a	P

  
Co-ordinator

  
HoD  
Head of the Department  
Computer Science & Engineering  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Manduru, Vijavawada-501 306



## DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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### Department of Computer Science and Engineering

Date: 1.02.2021

#### PROGRAM REPORT

**Name of the Event:** A Two-Week Certification Program on “Web development using JAVA”

**Dates:** 18-01-2021 to 30-01-2021

**Resource Person:** Mr.R.Phani Kishore, Assistant Professor, Department of CSE

Email : [phani.rompicharla@gmail.com](mailto:phani.rompicharla@gmail.com)

Contact Number:9490716662

**Name of the Co-Ordinator:** Mrs. L. N. B. Jyostna

**Number of Students Attended:** 127

**Venue:**CSE Seminar hall

DhaneKula Institute of Engineering & Technology, Ganguru, Organized certificate program on “Web Development using JAVA” for III B. Tech Students by the Resource Person Mr.R.Phani Kishore, Assistant Professor, Department of CSE

#### **Objectives:**

The objectives of a web development workshop using Java can vary based on the specific goals of the organizers and the needs of the participants. However, here are some common objectives that such a workshop might aim to achieve:

- Understanding Web Development Concepts
- Introduction to Java for Web Development
- Frontend Development with HTML, CSS, and JavaScript
- Backend Development with Java Servlets
- Dynamic Web Pages with JavaServer Pages (JSP)
- Introduction to Spring Framework
- Building a Simple Web Application
- Best Practices and Coding Standards
- Development Tools and Environment

## Learning Outcomes:

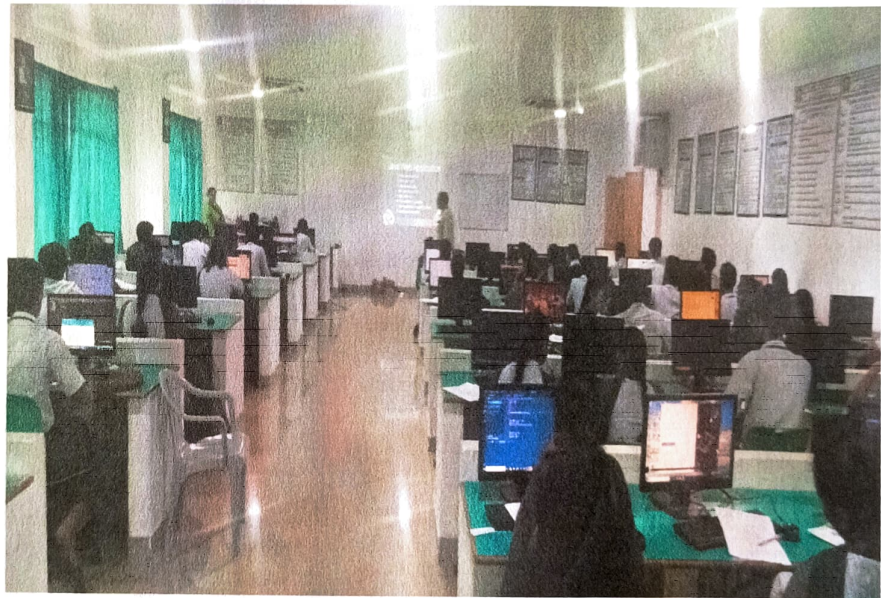
The learning outcomes of a web development workshop using Java can be diverse and depend on the depth and scope of the training. Here are some potential learning outcomes that participants might achieve:

- Understanding Web Development Architecture:
- Create and style web pages using HTML and CSS.
- Develop server-side applications using Java Servlets to handle HTTP requests and responses.
- Dynamic Web Pages with JSP:
- MVC Architecture Understanding:
- Introduction to Spring Framework:
- Building a Simple Web Application:
- Apply coding best practices for code organization, readability, and maintainability.
- Implement security best practices in web development.
- Development Tools and Environment Setup:
- Set up and use popular development tools like Eclipse, IntelliJ, or Visual Studio Code for Java web development. Develop critical thinking skills to troubleshoot and debug web development issues.


Recognize the importance of continuous learning in the rapidly evolving field of web development.

Identify resources and references for further self-paced learning.

Dhanekula Institute of Engineering & Technology has organized “A Two-Week Certification Program on **“Web Development using JAVA”** for III-year B. Tech students from 18-01-2021 to 30-01-2021. A total of 127 students participated in this program. This course is very useful to students and their feedback is positive.



  
**Program Co-Ordinator**

  
**HOD**  
Head of the Department  
Computer Science & Engineering  
**DHANEKULA INSTITUTE**  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vijayawada-521 139



# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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E-mail: [diet\\_principal@gmail.com](mailto:diet_principal@gmail.com), [principal@diet.ac.in](mailto:principal@diet.ac.in), website: [www.diet.ac.in](http://www.diet.ac.in), Phone: +91-8333924842, 8333924843

## Department of Computer Science and Engineering

### Assessment Form

Name of the Program: Web Development using JAVA

Date : 30-01-2021

Time :30 min

Max Marks :20 \* 1 =20 Marks

Reg No: 188T(A0514)

Academic Year : 2020-21 Year/Sem : III-I

1. Servlet are used to program which component in a web application?

- a) client      b) ~~server~~      c) tomcat      d) applet

2. Which component can be used for sending messages from one application to another?

- a) server      b) client      c) ~~mq~~      d) webapp

3. How are java web applications packaged?

- a) jar      b) war      c) zip      d) ~~both jar and war~~

4. How can we connect to database in a web application?

- a) oracle sql developer      b) toad      c) ~~JDBC template~~      d) mysql

5. How can we take input text from user in HTML page?

- a) ~~input tag~~      b) inoutBufferedReader tag      c) meta tag      d) scanner tag

6. What type of protocol is HTTP?

- a) ~~stateless~~      b) stateful      c) transfer protocol      d) information protocol

7. What does MIME stand for?

- a) Multipurpose Internet Messaging Extension      b) ~~Multipurpose Internet Mail Extension~~  
c) Multipurpose Internet Media Extension      d) Multipurpose Internet Mass Extension

8. What is the storage capacity of single cookie?

- a) 2048 MB      b) 2048 bytes      c) ~~4095 bytes~~      d) 4095 MB

9. Which of the following is not a Java features?

- a) Dynamic      b) Architecture Neutral      c) Use of pointers      d) ~~Object-oriented~~

10. Which of the following option leads to the portability and security of Java?

- a) Bytecode is executed by JVM      b) ~~The applet makes the Java code secure and portable~~  
c) Use of exception handling      d) Dynamic binding between objects

11. What is a servlet in Java?

- a) A programming language  
b) A scripting language  
c) ~~A server-side technology for Java web applications~~  
d) A database management system

17  
20

12. Which interface must a Java class implement to create a servlet?

- a) Servlet      b) HttpServlet      c) ServletConfig      d) ServletRequest

13. Which HTTP method is used to retrieve data from a server using a servlet?

- a) GET      b) POST      c) PUT      d) DELETE

14. Which of the following is NOT a valid method of session tracking in servlets?

- a) Cookies      b) URL rewriting      c) Hidden form fields       d) Query parameters

15. Which object provides information about the client's request to a servlet?

- a) Servlet Config       b) Http Servlet Request      c) Http Servlet Response      d) ServletContext

16. Which method is used to include the content of another resource during servlet processing?

- a) include()      b) import()      c) use()      d) forward()

17. Who invented Java Programming?

- a) Guido van Rossum       b) James Gosling      c) Dennis Ritchie      d) Bjarne Stroustrup

18. Which statement is true about Java?

- a) Java is a sequence-dependent programming language  
b) Java is a code dependent programming language  
c) Java is a platform-dependent programming language  
 d) Java is a platform-independent programming language

19. Which component is used to compile, debug and execute the java programs?

- a) JRE      b) JIT       c) JDK      d) JVM

20. What is the extension of java code files?

- a) .js      b) .txt      c) .class      d) .java





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E-mail: principal@diet.ac.in , website: www.diet.ac.in , phone:0866-2583842/8333924842

## Certificate of Participation

This is to certify that

Mr./Ms N. Yeshwanth from

DhaneKula Institute of Engineering & Technology has participated in

**A Two-Week Cerification Program on**

**Web developement using java**

Organized by the

Department of Computer Science and Engineering

from 18/01/2021 to 30/01/2021

  
Co-Ordinator

  
HOD

  
Principal





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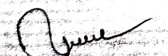
## Certificate of Participation

This is to certify that

Mr./Ms B. Kavya Sri Naga praharshini from  
DhaneKula Institute of Engineering & Technology has participated in

**A Two-Week Cerification Program on  
Web developement using java**

Organized by the  
Department of Computer Science and Engineering  
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Co-Ordinator

  
HOD

  
Principal





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Date: 07-01-2021

## CIRCULAR


This is hereby to inform all the II B.Tech students of ECE, that department of Electronics and Communication Engineering is organizing "A Two-week Add-on program on Antenna Design using HFSS" from 18-01-2021 to 30-01-2021. Hence all the students are requested to enroll their names on or before 16-01-2021

**Venue: ECE Seminar Hall**

**Co-Ordinator :Mr.P.Krishna Reddy M.Tech.,**

Assistant Professor

  
Co-Ordinator

  
HOD, ECE 7/1/2021  
HEAD OF THE DEPARTMENT  
Electronics & Communication Engineering  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, VIJAYAWADA-521 139

## Organizing Committee

**Convener:** Dr. G.L. Madhurnari

HOD, ECE Department

Department of Electronics and Communication  
Engineering

Dhanekula Institute of Engineering and  
Technology, Vijayawada

Email: diet.ecehod@gmail.com

Phone: 9966222447

### Advisory committee Members:

1. Dr. G.L. Madhurnari

HOD, ECE Department

2. Dr. I. Sai Ram

HOD, EEE Department

3. Dr. O. Srikanth

HOD, ME Department

4. Dr. S. Suresh

HOD, CSE Department

5. Dr. B. V. S. N. Hari Prasad

HOD, BS&H Department

## CHIEF PATRONS

- Sri.D. Ravindranada Tagore, Agriculturist  
& Industrialist Chairman, DVSCT
- Sri.D.Bhavani Prasad,  
Secretary, DVSCT
- Sri. D.K.R.K. Ravi prasad,  
Sr Dy. General Manager Bharat  
Electronics Limited, Machilipatnam
- Dr. T Hanuman Chowdhary  
Director, Centre for  
Telecommunications Management &  
Studies, Hyderabad
- Sri. D Sai Prasad,  
Entrepreneur, MD, Saryakala Agro Oil  
Products
- Sri. D Nagendra Prasad,  
Entrepreneur MD, Hotel D V Manor
- Smt. Karuna Arava  
Asst. Prof., UCE, JNTUK, Kakinada.
- Sri. M Seshagiri rao  
Principal, Government Polytechnic,  
Vijayawada.
- Sri. M Sundareshan  
Regional Officer & Assistant Director,  
AICTE, SCRO
- Dr. Ravi Kadiyala,  
Principal, DIET, Vijayawada

A Two-Week Add-on Program

on

*"Adding Design using HFSS"*

18<sup>th</sup> January to 30<sup>th</sup> January  
2021



Organized by Department of  
Electronics and Communication  
Engineering

Dhanekula Institute of Engineering  
and Technology

(Accredited by NBA of AICTE, New Delhi & affiliated to JNTU  
Kakinada)

Ganguru,  
Vijayawada

Krishna District, A.P (India)

www.diet.ac.in

**For further communication:**

**Coordinator:**

Mr.P.Krishna Reddy

Assistant professor

Department of ECE

Email ID: Krishna.papana@gmail.com

Contact No: 9030859963

**About the College:**

Dhanekula Institute of Engineering and Technology is established in 2009 by Sri Ravindranath Tagore, Chairman, Agriculturalist and industrial organizations of Dhanekula group. The college was located at Ganguru Vijayawada, Krishna District of Andhra Pradesh.

The college offers B.Tech. programme in Five branches of Engineering, viz., Civil, EEE, ME, ECE, CSE and PG courses M.Tech in Computer Science and VLSI Design. All the eligible UG engineering programs have been accredited by National Board of Accreditation (NBA) of AICTE, New Delhi and by NAAC. The college is also accredited by MHRD for Innovation cell and TBI by MSME, GoI.

**About the Department:**

The department of Electronics and Communication Engineering was established in 2009 with an intake of 60 students in the UG program. The intake was enhanced to 120 in 2011 and the department has highly qualified and experienced faculty and has good infrastructural facilities and is equipped with full-fledged laboratories. The department also has audio-visual facilities with enough LCD and OHP's for effective teaching. The staff members are deputed to participate in workshops, conferences and refresher courses to keep in pace with recent developments in the field of Electronics & Communication Engineering.

**Objectives of the Program**

- To understand the basics of Antenna concepts
- To understand designing of antennas using HFSS
- To design and model Microwave components for given specifications using ANSYS HFSS software
- To describe antenna radiation mechanism and antenna radiation
- To design and understand the operation of a wide range of antenna types (Dipole, Micro strip patch and horn antennas)
- To develop skill of designing & optimizing an antenna using ANSYS HFSS software for given specifications



**Registration Details:** Free

**Last Date for Registration:** 16.01.2021

**REGISTRATION FORM**

A Two-Week Add-on Program

on

*“Antenna Design using HFSS”*

**Name:** \_\_\_\_\_

**Reg No.** \_\_\_\_\_

**Department** \_\_\_\_\_

**Organization** \_\_\_\_\_

**Address** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Phone** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Signature of the Participant**

**Signature of Head of the Institution  
(With the official seal)**



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**Department of Electronics and Communication Engineering**

**A Two Week Add-On Program**

**on**


**Antenna Design using HFSS**

**(18.01.2021 to 30.01.2021)**

Date	Session-I	Session-II	Session-III
18.01.21 (Monday)	Inauguration	Basics of Antennas	Hands on
19.01.21 (Tuesday)	Introduction to Antennas and its architectures	Importance of Antenna in 5G applications	Hands on
20.01.21 (Wednesday)	Discussion about Antenna parameters	Introduction to designing tools	Hands on
21.01.21 (Thursday)	Working on HFSS and the Importance of HFSS with other tools	Antenna designing Calculations	Hands on
22.01.21 (Friday)	Non-Conventional Substrates based Antennas	Antenna Design	Hands on

23.01.21 (Saturday)	Meshing, Adaptive Meshing	Antenna designing Calculations	Hands on
25.01.21 (Monday)	Antenna Design using HFSS Software – I	Antenna Design using HFSS Software – II Result analysis (charts and plotting)	Hands on
27.01.21 (Wednesday)	Compact mm wave Antennas and MIMO Antennas	Fabrication and Testing Techniques for Antennas	Hands on
28.01.21 (Thursday)	Performance Enhancement Techniques for Microstrip Antennas	Antennas Design for Vehicular Applications	Hands on
29.01.21 (Friday)	Adaptive Meshing, Advanced Features for EM Design	Adaptive Meshing, Advanced Features for EM Design	Hands on
30.01.21 (Saturday)	Wide-band and multi-band antennas.	Valedictory	

  
Coordinator

  
HOD, ECE  
HEAD OF THE DEPARTMENT I  
Electronics & Communication Engineering  
J. ANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, VIJAYAWADA-521 139



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## Department of Electronics and Communication Engineering

Name of the Program: "A Two-week Add-on program on Antenna Design using HFSS"

A.Y:2020-2021

### Student List

S. No	Roll No	Name of the Student	Year & Branch	Signature
1.	198T1A0401	ABDUL HAFEEZ	II ECE	Abdul Hafeez
2.	198T1A0402	A M KRISHNA SAI SUMITRA	II ECE	A Sai Sumithra
3.	198T1A0403	A VENKATA SAI SANKAR	II ECE	A. Venkat Sai Sankar
4.	198T1A0404	ADURI VINEETHA	II ECE	A. Vineetha
5.	198T1A0405	AKOJU YASWANTH	II ECE	A. Yashwanth
6.	198T1A0406	AKULA VENKATA SATISH	II ECE	A. V. Satish
7.	198T1A0407	AMBATI CHAITANYA	II ECE	A. Chaitanya
8.	198T1A0408	ANNAVARAPU GOPI NANDU	II ECE	A. Gopi Nandu
9.	198T1A0409	AVANIGADDA SURYA VARMA	II ECE	A. Surya Varma
10.	198T1A0410	BANDI NANDINI	II ECE	B. Nandini
11.	198T1A0411	BANDLA MOHAN RAVI TEJA	II ECE	B.M. Ravi Teja
12.	198T1A0412	BANDLA SAI PAVAN	II ECE	B. Saipavan
13.	198T1A0413	BANDLAMUDI BHAGAVAN HEMANADH	II ECE	B. Bhagav
14.	198T1A0414	BANDREDDI VENKATA KALYAN	II ECE	B. Venkata Kalyan
15.	198T1A0415	BATHULA PAVAN KALYAN REDDY	II ECE	B. Pavan Kalyan
16.	198T1A0416	BHAVANA REDDY SYKAM	II ECE	B. Bhavana Reddy
17.	198T1A0417	BOCHU MANOJ KUMAR	II ECE	B. Manoj Kumar
18.	198T1A0418	BOLLAREDDY SRAVYA	II ECE	B. Sravya
19.	198T1A0419	BOLLINA REVANTH ESWAR	II ECE	B. Revanth Eswar
20.	198T1A0420	BOLLU NIKHIL	II ECE	B. Nikhil
21.	198T1A0421	BOREDDY SURENDRA	II ECE	B. Surendra
22.	198T1A0422	CHAGANTI LEELA VENKATA SIVA RAMA KRISHNA	II ECE	Ch. L.V. Siva Rama Krishna
23.	198T1A0423	CHAGARLAMUDI NAGA NITISH	II ECE	Ch. Naga Nitish
24.	198T1A0424	CHAKKA LEELA VASAVI	II ECE	Ch. Leela Vasavi
25.	198T1A0425	CHALASANI MALINI	II ECE	Ch. malini
26.	198T1A0426	CHANDANA MOHIT SYAM SAI	II ECE	Ch. mohit shamsai





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S. No	Roll No	Name of the Student	Year & Branch	Signature
27.	198T1A0427	CHIMATA LAKSHMI PRASANNA	II ECE	Ch. Lakshmi Prasanna
28.	198T1A0428	CHIMMILI DURGA PRASAD	II ECE	Ch. Durga prasad
29.	198T1A0429	CHINTAPALLI GAYATHRI	II ECE	Ch. Gayathri
30.	198T1A0430	CHIRUMAMILLA SAI KRISHNA	II ECE	Ch. Sai Krishna
31.	198T1A0431	CHUKKA VENKATA KIRAN	II ECE	Ch. Venkata Kiran
32.	198T1A0432	DEVI DINESH PRATHI	II ECE	D. Dinesh Prathi
33.	198T1A0433	DHANIREDDY GOPI CHAND REDDY	II ECE	D. Gopi Chand Reddy
34.	198T1A0434	DHULIPALLA C K VEERANJANEYULU	II ECE	D. Ck. Veeranjaneyulu
35.	198T1A0435	DIRISHALA GNANA PRADEEP KUMAR	II ECE	D. Ganga Pradeep Kumar
36.	198T1A0436	DIVI TULASI RANI	II ECE	D. Tulasi Rani
37.	198T1A0437	DOWLATH SHAHEEN	II ECE	D. Shaheen
38.	198T1A0438	GAMPA VENKATA NAGA MOUNIKA	II ECE	G. V. Naga mounika
39.	198T1A0439	GANTA KEERTHI CHARAN	II ECE	G. Keerthi Charan
40.	198T1A0440	GARAPATI SAI LINESHA	II ECE	G. Sai linesha
41.	198T1A0441	GORLA LOKESH	II ECE	G. Lokesh
42.	198T1A0442	GUNDEBOINA VENKATA SANDHYA	II ECE	G. V. Sandhya
43.	198T1A0443	GUNDRATHI SRIRAM	II ECE	G. Sri Ram
44.	198T1A0444	GURINDAGUNTA SAI KRISHNA	II ECE	G. Sai Krishna
45.	198T1A0445	JALLA LAKSHMI DURGA	II ECE	J. Lakshmi Durga
46.	198T1A0446	JALLA SIVA SANKAR	II ECE	J. Siva Sankar
47.	198T1A0447	JAMPANA LIKHITA	II ECE	J. Likhita
48.	198T1A0448	JANGA PRIYANKA	II ECE	J. Priyanka
49.	198T1A0449	JANYAVULA POORNA CHANDRIKA	II ECE	J. Poorna Chandrika
50.	198T1A0450	JASTI BHAVYA SRI	II ECE	J. Bhavya Sri
51.	198T1A0451	JASTI KEERTHI	II ECE	J. Keerthi
52.	198T1A0452	JASTI SRI LAKSHMI	II ECE	J. Sri Lakshmi
53.	198T1A0453	JASTI VAMSI VARDHAN	II ECE	J. Vamsi Vardhan
54.	198T1A0454	KAKUMANI RAJA MOHAN REDDY	II ECE	K. Raj Kumar Reddy



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S. No	Roll No	Name of the Student	Year & Branch	Signature
55.	198T1A0455	KALAPALA MALLIKA	II ECE	K. Mallika
56.	198T1A0456	KALLAM TEJASWINI	II ECE	K. Tejaswini
57.	198T1A0457	KAMMILI ANUSRI	II ECE	K. Anusri
58.	198T1A0458	KANAJAM BALA PUJITHA	II ECE	P. Balapujitha
59.	198T1A0459	KANUKOLLU SRI KRISHNA CHAITANYA	II ECE	K. S. Krishna Chaitanya
60.	198T1A0460	KASU SUPRIYA	II ECE	K. SUPRIYA
61.	198T1A0461	KATTEDA LIKITHA	II ECE	K. Likitha
62.	198T1A0462	KONERU SAI SREE	II ECE	K. Sai Sree
63.	198T1A0463	MOHAMMAD AFRINJAHA	II ECE	MD. Afrinjaha
64.	198T1A0464	SUDABHATTULA DIVYA PRASANTHI	II ECE	S. Divya Prasanthi
65.	198T1A0465	KATURI DEVA SREE DATTU	II ECE	K. SREE DATTU
66.	198T1A0466	KANNAMALA RAMYA	II ECE	K. Ramya
67.	198T1A0467	KOLUSU SRUJANA	II ECE	K. Srujana
68.	198T1A0468	KOMMINI LAKSHMI PRIYA	II ECE	K. L. Priya
69.	198T1A0470	KONDETI VENKATA TEJASWAR NAIDU	II ECE	K. V. Tejaswar Naidu
70.	198T1A0471	KONTHAM AJAY	II ECE	K. AJAY
71.	198T1A0472	KOPPAKA LOKA VENKATA CHARAN	II ECE	K. L. Venkatacharan
72.	198T1A0473	KORE DHANUSH	II ECE	K. Dhanush
73.	198T1A0474	KOTARU GREESHMA	II ECE	K. Greeshma
74.	198T1A0475	KOTHAPALLI HEMANTH KUMAR	II ECE	K. Hemanth
75.	198T1A0476	KOTTAPALLI SAI SUSHMA	II ECE	K. Sai Sushma
76.	198T1A0477	LAAM JANA PRIYA	II ECE	L. Janapriya
77.	198T1A0478	LAM SUVARNA RAKESH	II ECE	L. S. Rakesh
78.	198T1A0479	MADASU SAI RAM	II ECE	M. Sai Ram
79.	198T1A0480	MADINENI VENGAI AH CHOWDARY	II ECE	M. Vengai Ah
80.	198T1A0481	MADIVADA DHARMA TEJA ASHOK	II ECE	M. Dharma Teja
81.	198T1A0482	MADU CHETHANA	II ECE	M. chethana
82.	198T1A0483	MAMIDELA VIJAY	II ECE	M. Vijay
83.	198T1A0484	MANGAM BHARGAVI	II ECE	M. Bhargavi



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S. No	Roll No	Name of the Student	Year & Branch	Signature
84.	198T1A0485	MATTA KAVYA	II ECE	M. Kavya
85.	198T1A0486	MATTEPU MADHAN KUMAR	II ECE	M. Madhan Kumar
86.	198T1A0487	MEENIGA SRIKANTH REDDY	II ECE	M. Srikanth Reddy
87.	198T1A0488	MIRAMPALLI HARSHA SRI	II ECE	M. Harshasri
88.	198T1A0489	MOGAL RAHEEM IRFAN BAIG	II ECE	M. R. Irfan Baig
89.	198T1A0490	MOHAMMAD ABDULLA TAYYAB	II ECE	Md. Abdulla Tayyab
90.	198T1A0491	MOHAMMAD KHASEEM	II ECE	M. D. Khaseem
91.	198T1A0492	MOHAMMED SHAMSHUDDIN	II ECE	MD. Shamsuddin
92.	198T1A0493	MORLA DEVENDRA GOWD	II ECE	M. DEVENDRA GOWD
93.	198T1A0495	MUNTHA TEJA MADHU SAI SANKAR	II ECE	M. T madhu sai sankar
94.	198T1A0496	MUPPARAJU HANEESHA	II ECE	M. Haneesha
95.	198T1A0497	MURARI JHANSI LAKSHMI	II ECE	M. Jhansi Lakshmi
96.	198T1A0498	MYGAPULA NAGESWARARAO	II ECE	M. Nageswarao
97.	198T1A0499	NALANAGULA DAKSHAYANI	II ECE	N. Dakshayani
98.	198T1A04A0	NARAGAM THANMAI	II ECE	N. thanmai
99.	198T1A04A1	NAVEEN KUMAR REDDY PULICHARLA	II ECE	F. Naveen K Reddy
100.	198T1A04A2	NEKKALAPU LIKHITHA	II ECE	N. Likhitha
101.	198T1A04A3	NERELLA VENKATA SAI SAMYUKTHA	II ECE	N. V. Sai Sanyuktha
102.	198T1A04A4	ORSU MANOJ KUMAR	II ECE	O. Manoj Kumar
103.	198T1A04A5	PADAMATA VENKATA NARASIMHA	II ECE	P. V. Narasimha
104.	198T1A04A6	PADIMARRI MANISHA	II ECE	P. Manisha
105.	198T1A04A7	PALLA MOKSHA SREE	II ECE	P. Moksha Sree
106.	198T1A04A8	PAPINENI PRAVEEN	II ECE	P. Praveen
107.	198T1A04A9	PASAM VAMSI	II ECE	P. Shalamsri
108.	198T1A04B0	PASUMARTHI AASHITHA	II ECE	P. Aashitha
109.	198T1A04B1	PAVULURI SAI BHAVANA	II ECE	P. Saibhavana
110.	198T1A04B2	PENTAPATI RARAJU	II ECE	P. Raraju
111.	198T1A04B3	PERALA SUMALATHA	II ECE	P. Sumalatha
112.	198T1A04B4	PERAM VENKATAPAVAN	II ECE	P. Venkata Pavan



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S. No	Roll No	Name of the Student	Year & Branch	Signature
113.	198T1A04B5	PERUMALLAPALLI INDIRA	II ECE	P. Indira
114.	198T1A04B6	PINNEPALLI ANIL	II ECE	P. Anil
115.	198T1A04B7	PONIGATI PRATHYUSHA	II ECE	P. Prathyusha
116.	198T1A04B8	POTTURI HARSHITA	II ECE	P. Harshita
117.	198T1A04B9	PULAGAM ANUSHA	II ECE	P. Anusha
118.	198T1A04C0	PUTHUMBAKA SUSHMA	II ECE	P. Sushma
119.	198T1A04C1	PUTTI MOUNIKA	II ECE	P. Mounika
120.	198T1A04C2	RAVULA RAJ KUMAR	II ECE	A.P. RAJKumar
121.	198T1A04C3	RAYAPUDI NAGA GANESH MANIKANTA	II ECE	R.N.G. MANIKANTA
122.	198T1A04C4	SALI HARINI	II ECE	S. Harini
123.	198T1A04C5	SHAIK LAKHIL GOUSE	II ECE	S. Lakhil Gouse
124.	198T1A04C6	SHAIK NAZIA TABASSUM	II ECE	S. Nazia Tabassum
125.	198T1A04C7	VALLURI TEJA SAI	II ECE	V. Teja Sai
126.	198T1A04C8	VANAM SWATHI RUSHITHA	II ECE	V. Swathi
127.	198T1A04C9	CHERUKURI SAI VAMSI	II ECE	C. Sai Vamsi
128.	198T1A04D0	APPIKATLA RENUKA	II ECE	A. Renuka
129.	198T1A04D1	CHAKRADHAR VANUKURU	II ECE	Chakradhar V
130.	198T1A04D2	GAJJI ESHWAR	II ECE	G. Eshwar
131.	198T1A04D3	KHAMREEN BEGUM	II ECE	Khamreen Begum
132.	198T1A04D4	KUMMARIPALLI VENKATA HEMANTH	II ECE	K. Venkata Hemant
133.	198T1A04D5	MATLAPUDI HARSHINI SRI SUSHMA SAI	II ECE	M. Harshini Sri Sushma Sai
134.	198T1A04D6	MORABOINA ANIL KUMAR	II ECE	M. Anil Kumar
135.	198T1A04D7	OGIRALA MANI KEERTHI	II ECE	O. Mani Keerthi
136.	198T1A04D8	PATHURI VEERA PAVAN KUMAR	II ECE	P. Veera Kumar
137.	198T1A04D9	PRODDUTURI SRINITHYA	II ECE	P. Sri Nithya
138.	198T1A04E0	PUVVULA HARI CHANDANA	II ECE	P. Hari Chandana
139.	198T1A04E1	SACHIN JHA	II ECE	Sachin Jha
140.	198T1A04E2	SAI MADHAV PAMULAPATI	II ECE	Sai Madhav
141.	198T1A04E3	SANAKA DIVYA SRI	II ECE	S. Divya Sri
142.	198T1A04E4	SANKARASETTY VENKATA SAI LAKSHMI	II ECE	S. Venkata Sai



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143.	198T1A04E5	SASUBILLI LEELA DURGA PRASAD	II ECE	S. Leela Durga
144.	198T1A04E6	SESHAM.PAVAN KUMAR	II ECE	S. Pawan Kumar
145.	198T1A04E7	SODISETTI LIKHITHA	II ECE	S. LIKITHA
146.	198T1A04E8	TANNEEDI SAI JAGADISH	II ECE	T. Jagadish
147.	198T1A04E9	TELLAMEKALA ANJANEYULU	II ECE	T. Anjaneyulu
148.	198T1A04F0	THATHA NAVYA SRI	II ECE	T. Navya Sri
149.	198T1A04F1	THOTA VENU MADHAV	II ECE	T. VENU MADHAV
150.	198T1A04F2	THOTAKURA HARSHITHA	II ECE	T. Harshitha
151.	198T1A04F3	TUMMALA JITENDAR PRUDHVI	II ECE	UNNAM MYDHALI
152.	198T1A04F5	UNNAM MYDHILI	II ECE	Unnam Mydhala
153.	198T1A04F6	VAKA MANIKANTA REDDY	II ECE	VAKA MANIKANTA REDDY
154.	198T1A04F7	VALLURU ANJANA PRIYA	II ECE	V. ANJANA PRIYA
155.	198T1A04F8	VANAKURI GNANA SAI SUDHA	II ECE	V. GUNJA Saisudha
156.	198T1A04F9	VANGALLA RAMA GOPI	II ECE	V. Rama Gopi
157.	198T1A04G0	VANUKURU MOUNIKA	II ECE	V. Mounika
158.	198T1A04G1	VEERLA NARENDRA	II ECE	V. NARENDRA
159.	198T1A04G2	VEERLA SUBHASH	II ECE	V. Subhash
160.	198T1A04G3	VEMAVARAPU BHARGAVI	II ECE	V. Bhargavi
161.	198T1A04G4	VEMULA BHANU SRI	II ECE	V. BHANUSRI
162.	198T1A04G5	VENNA HEMANTH	II ECE	V. HEMANTH
163.	198T1A04G6	VINAYAK SANJAY DURGE	II ECE	V. Sanjay Durge
164.	198T1A04G7	VISWANADHAPALLI LIKHITHA	II ECE	V. Likhitha
165.	198T1A04G8	VYSYARAJU SIVA SAI	II ECE	V. Siva Sai
166.	198T1A04G9	YADLAPALLI YAMINI	II ECE	V. Yamini
167.	198T1A04H0	YALAGALI GOPI	II ECE	V. Gopi
168.	198T1A04H1	Y GEETHIKA NAGA SINDHU	II ECE	Y. Sindhu
169.	198T1A04H2	YATHAM SIVA REDDY	II ECE	Y. Siva Reddy
170.	198T1A04H3	YERRAMSETTI RAVI TEJA	II ECE	Y. Ravi Teja
171.	198T1A04H4	YERRAPOTHU NICHAL KOTEISHH	II ECE	Y. Nichal
172.	198T1A04H5	SAMMETA CHAKRA TEJA	II ECE	S. Chakruteja
173.	208T5A0401	BANDELA A K VENKATESH	II ECE	B. Venkatesh



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174.	208T5A0402	DAVALA MOHAN MANIKANTA	II ECE	D. Mohan
175.	208T5A0403	GONA LILLY GRACE	II ECE	G. Grace
176.	208T5A0404	GUDISE DENSI	II ECE	G. Densi
177.	208T5A0405	KAKI SRI TEJA	II ECE	K. Sri Teja
178.	208T5A0406	KANDULA VEERA VENKATA NAGA SIVA KUMAR	II ECE	K. Siva Kumar
179.	208T5A0407	KANUKOLLU LALITHA	II ECE	K. Lalitha
180.	208T5A0408	KATURI SUNIL	II ECE	K. Sunil
181.	208T5A0409	NADENDLA CHAITANYA	II ECE	N. Chaitanya
182.	208T5A0410	NEELAPU VENKATA GOVIND	II ECE	N. Venkata Govind
183.	208T5A0411	POTLAPALLI BHAGYA SRI	II ECE	P. Bhagya Sri
184.	208T5A0412	RAJULAPATI NAGA PHANEENDRA	II ECE	R. Naga Phaneendra
185.	208T5A0413	SHAIK AZEEMA BANO	II ECE	SK. Azeema
186.	208T5A0414	SHAIK MUHAMMAD NAFISA	II ECE	SK. Muhammad Nafisa
187.	208T5A0415	GOWTHAMI TUMMALACHARLA	II ECE	T. Gowthami
188.	208T5A0416	TIRIVIDHULA RAM MOHAN RAO	II ECE	T. Ram Mohan Rao
189.	208T5A0417	VEERABALLI SAI KUMAR REDDY	II ECE	V. Sai Kumar
190.	208T5A0418	VUNDI GESHMA BHUMIKA VARMA	II ECE	V. Geshma Bhumika Varma
191.	208T5A0419	YAGATI DURGA PRASAD	II ECE	Y. Durgaprasad
192.	208T5A0420	YALAMANCHILIPRATHIMA	II ECE	Y. Prathima
193.	208T5A0421	YARRA DEVI NAGA DURGA SATHVIKA	II ECE	Y. Sathvika
194.	208T5A0422	ISLAVATH LEELA VENKATA DURGA PRASAD NAIK	II ECE	I. Durga Prasad
195.	208T5A0423	ALLA CHAITANYA KRISHNA	II ECE	A. Chaitanya Krishna
196.	208T5A0424	CHALASANI LAKSHMI NARAYANA MANIKANTA	II ECE	C. Manikanta

  
Co-ordinator

  
HEAD OF DEPARTMENT  
Electronics & Communication  
DHANEKULA  
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187.	208T5 A0415	GOWTHAMI TUMMALACHARLA	P	P	P	P	P	P	P	P	P	P	P
188.	208T5 A0416	TIRIVIDHULA RAM MOHAN RAO	P	P	P	P	P	P	P	P	P	A	P
189.	208T5 A0417	VEERABALLI SAI KUMAR REDDY	P	P	P	P	P	P	P	P	P	P	P
190.	208T5 A0418	VUNDI GESHMA BHUMIKA VARMA	P	P	P	P	P	P	P	P	P	P	P
191.	208T5 A0419	YAGATI DURGA PRASAD	P	P	P	P	P	P	P	P	P	P	P
192.	208T5 A0420	YALAMANCHILIPRA THIMA	P	P	P	P	P	P	P	P	P	P	P
193.	208T5 A0421	YARRA DEVI NAGA DURGA SATHVIKA	P	P	P	P	P	P	P	P	P	P	P
194.	208T5 A0422	ISLAVATH LEELA VENKATA DURGA PRASAD NAIK	P	P	P	P	P	P	P	P	P	P	P
195.	208T5 A0423	ALLA CHAITANYA KRISHNA	P	P	P	P	P	P	P	P	P	P	P
196.	208T5 A0424	CHALASANI LAKSHMI NARAYANA MANIKANTA	P	P	P	P	P	P	P	P	P	P	P

  
Co-ordinator

  
HOD, ECE  
HEAD OF THE DEPARTMENT  
Electronics & Communication Engineering  
DHANEKULA INSTITUTE OF  
OF ENGINEERING & TECHNOLOGY  
Ganguru, VIJAYAWADA - 521139



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**Department of Electronics and Communication Engineering**

1.02.2021

**PROGRAM REPORT**

**Name of the Event** : A Two-Week Add-On Program on Antenna Design using HFSS

**Date** : 18.1.2021 to 30.1.2021

**Resource Persons:** Dr. M Vamshi Krishna  
Professor  
Email: profvamshi@gmail.com  
Contact No.: 9703818580

**Name of the Coordinator** : Mr. P. Krishna Reddy

**Number of Students Attended:** 196

**Venue:** ECE Seminar Hall

**Objectives:**

- To understand the basics of Antenna concepts
- To understand designing of antennas using HFSS
- To design and model Microwave components for given specifications using ANSYS HFSS software
- To describe antenna radiation mechanism and antenna radiation parameters.
- To design and understand the operation of a wide range of antenna types (Dipole, Micro strip patch and horn antennas)
- To develop skill of designing & optimizing an antenna using ANSYS HFSS software for given specifications

**Learning Outcomes :**


- Create antennas from the Antenna Design Toolkit or by drawing new geometry
- Generate both far field and near field plots for linear and circular polarizations

- Create antenna simulation results reports and plot field overlays on antenna geometry
- Connect antenna structures to RF circuit schematics
- Run Optimetrics in HFSS as well as set up optiSLang to work with HFSS
- Understand and choose various EM formulations available for antenna design
- Set up both infinite array and finite array simulations

Dhanekula Institute of Engineering and Technology has organized “A Two-Week Add-on Program on Antenna Design using HFSS” for B.Tech ECE students from 18.01.2021 to 30.01.2021. A total of 196 students have participated in this program.



  
**Coordinator**

  
**H&B, ECE**  
HEAD OF THE DEPARTMENT  
Electronics & Communication Engineering  
DHANEKULA INSTITUTE OF  
ENGINEERING AND TECHNOLOGY  
Janguru, VIJAYANAGAR, HYDRABAD





**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**  
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**Department of Electronics and Communication Engineering**

**Assessment Form**

Name of the Addon Program: A Two-Week Add-on Program on Antenna design using HFSS  
A.Y.: 2020-21

Date: 30.01.2021 Regd No. 198TIA0480 Time: 30 minutes Max. Marks: 20 x 1 = 20M

**ANSWER ALL QUESTIONS**

18  
20

- 1) What is the nature of radiation pattern of an isotropic antenna?  
a. Spherical. b. Dough-nut. c. Elliptical. d. Hyperbolic (a) ✓
2. Acronym of HFSS is for \_\_\_\_\_  
a) High frequency structural simulator b) High frequency synthesis software (a) ✓  
c) Hardware for stimulating system d) High frequency system software
3. Which of the following is the most common version of the printed antenna?  
a) Horn antenna b) Microstrip antenna (b) ✓  
c) Wire antenna d) Lens antenna
4. In which of the following types of antenna a patch is created during fabrication?  
a) Microstrip antenna b) Horn antenna (a) ✓  
c) Wire antenna d) Lens antenna
5. The shape of the patch in rectangular Microstrip antenna is \_\_\_\_\_  
a) Rectangular b) Circular c) Cylindrical d) Elliptical (a) ✓
6. In mobiles, which of the following antenna is widely used? (a) ✓  
a) Microstrip antenna b) Horn antenna  
c) Yagi-Uda antenna d) Lens antenna
7. Rectenna Application of Microstrip antenna converts \_\_\_\_\_ (a) ✓  
a) Microwave energy to DC power b) Microwave energy to AC power  
c) Microwave energy to solar energy d) Inductive to capacitive
8. Which of the following is a dual reflector antenna? (b) ✓  
a) Cassegrain antenna b) Parabolic antenna c) Offset reflector antenna d) Wire antenna
9. Patch antennas are antennas of small size and are made of:



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- a) Strip line b) Microstrip line c) Coaxial cable d) Rectangular waveguide (b) ✓
10. High directivity required in RADAR communication is satisfied using this type of antennas:  
a) Wide band antennas b) Antenna arrays c) Slot antennas d) Patch antennas (a) ✓
11. As the beam area of an antenna decreases, the directivity of the antenna:  
a) Increases b) Decreases c) Remains unchanged d) Depends on the type of the antenna. (a) ✓
12. What is the range of frequency in half dipole antenna?  
a) 30KH to 300KH b) 30KH to 300MH c) 30KH to 30GH d) 3KH to 300GH (d) ✓
13. At which angles does the front to back ratio specify an antenna gain?  
a.  $0^\circ$  &  $180^\circ$  b.  $90^\circ$  &  $180^\circ$  c.  $180^\circ$  &  $270^\circ$  d.  $180^\circ$  &  $360^\circ$  (a) ✓
14. The abnormal variation in the ionosphere is  
a) Ionospheric storm b) Seasonal variation  
c) Diurnal variation d) All of the above (a) ✓
15. Equivalent circuit representation of an antenna is \_\_\_\_\_  
a) Series R, L, C b) Parallel R, L, C c) Series R, L parallel to C d) Parallel R, C series to L (b) ✗
16. Relation between Quality factor, Bandwidth, and resonant frequency is \_\_\_\_\_ (b) ✓  
a)  $Q = BW/f_0$  b)  $Q = f_0/BW$  c)  $Q = BW \times f_0$  d)  $Q = BW + f_0/BW - f_0$
17. For long distance communication, which of the property is mainly necessary for the antenna? (a) ✓  
a) High directivity b) Low directivity c) Low gain d) Broad beam width
18. If the progressive shift in antenna array is equal to zero then it is called \_\_\_\_\_ (a) ✓  
a) Broad side b) End-fire c) Yagi-udad d) Fishbone antenna
19. What is the progressive phase shift of the end-fire array? (c) ✓  
a) 0 b)  $90^\circ$  c)  $180^\circ$  d)  $60^\circ$
20. Which of the following is false about the single antenna for long-distance communication? (d) ✓  
a) Enlarging may create side lobes b) No side lobes  
c) High directivity is required d) High Gain is required



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## Certificate of Participation

This is to certify that

Mr./Mrs./Ms A. VENKATA SAT SUMITRA from  
Dhanekula Institute of Engineering & Technology has participated in

**“A Two-week Add-on Program on  
Antenna Design using HFSS”**

Organized by the Department of  
Electronics and Communication Engineering from  
18-01-2021 to 30-01-2021

  
Coordinator

  
HoD

  
Principal



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## Certificate of Participation


This is to certify that

Mr./Mrs./Ms CH. MALINI from

DhaneKula Institute of Engineering & Technology has participated in

**“A Two-week Add-on Program on  
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18-01-2021 to 30-01-2021

  
Coordinator

  
HoD

  
Principal



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Date: 01-12-2020

**CIRCULAR**

This is hereby to inform all the II & III B.Tech students of ME, that department of Mechanical Engineering is organizing a two-week certification program on "3D-Printing" from 14-12-2020 to 28-12-2020. Hence all the students are requested to enroll their names on or before 10-12-2020.


**Venue.** : ME Seminar hall.

All hands-on sessions will be conducted at F-24A, F-24B

**Co-ordinator** : Mr. K. Pavan Kumar

  
Co-ordinator

Copy to all HoDs

  
11/12/2020  
PRINCIPAL  
Principal  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vijayawada-521 139



## Organizing Committee

**Convener:** Dr. O.Srikanth

HoD, ME Department

Department of Mechanical Engineering  
Dhanekula Institute of Engineering and  
Technology, Vijayawada

Email: diet.mehod@gmail.com

phone: 8985359139

### Advisory committee Members:

1. Dr.O. Srikanth  
HOD, ME Department
2. Dr. I. Sai Ram  
HOD, EEE Department
3. Dr. G. Madhumathi  
HOD, ECE Department
4. Dr. K.Suresh  
HOD, CSE Department
5. Dr. M. Hari Prasad  
HOD, BS&H Department

### For further communication:

#### Coordinator:

Mr.K.Pavan Kumar  
Assistant professor  
Department of ME

Email ID: kpavan2030@gmail.com

Contact No: 95734 19566

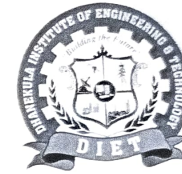
- Sri.D. Ravindranath Tagore, Agriculturist  
& Industrialist Chairman, DVST
- Sri.D.Bhavani Prasad,  
Secretary, DVST
- Sri. D.K.R.K. Ravi prasad,  
Sr Dy. General Manager Bharat  
Electronics Limited, Machilipatnam
- Dr. T Hanuman Chowdhary  
Director, Centre for  
Telecommunications Management &  
Studies, Hyderabad
- Sri. D Sai Prasad,  
Entrepreneur, MD, Satyakala Agro Oil  
Products
- Sri. D Nagendra Prasad,  
Entrepreneur MD, Hotel D V Manor
- Smt. Karuna Arava  
Asst. Prof., UCE, JNTUK, Kakinada.
- Sri. M Seshagirirao  
Principal, Government Polytechnic,  
Vijayawada.
- Sri. M Sundareshan  
Regional Officer & Assistant Director.  
AICTE, SCRO
- Dr. Ravi Kadiyala,  
Principal, DIET, Vijayawada

A Two Week Certification Program

on

" 3D PRINTING "

14<sup>th</sup> Dec to 28<sup>th</sup> Dec 2020



Organized by Department of  
Mechanical Engineering

Dhanekula Institute of Engineering  
and Technology

(Accredited by NBA of AICTE, New Delhi & affiliated to JNTU  
Kakinada)

Ganguru,  
Vijayawada  
Krishna District, A.P (India)

www.diet.ac.in

### **About the College:**

Dhanekula Institute of Engineering Technology is established in 2009 by Sri Ravindranath Tagore, Chairman, Agriculturalist and industrial organizations of Dhanekula group. The college was located at Ganguru Vijayawada, Krishna District of Andhra Pradesh.

The college offers B.Tech. programme in six branches of Engineering, viz., Civil, EEE, ME, ECE, CSE & IT., and PG courses M.Tech in Computer Science and Environmental Engineering. All the eligible UG engineering programmes have been accredited by National Board of Accreditation (NBA) of AICTE, New Delhi and by NAAC. The college is also accredited by MHRD for Innovation cell and TBI by MSME, Gol.

### **About the Department:**

The department of Mechanical Engineering was established in 2009 with an intake of 60 students in the UG program. The intake was enhanced to 120 in 2013 and the department has highly qualified and experienced faculty and has good infrastructural facilities and is equipped with full-fledged laboratories. The department also has audio-visual facilities with enough LCD and OHP's for effective teaching. The staff members are deputed to participate in workshops, conferences and refresher courses to keep in pace with recent developments in the field of Mechanical Engineering.

### **Objective of Certification Program**

1. Prototyping fundamentals, Introduction to 3D printing.
2. 3D modelling, Data Conversion, and transmission, Checking and preparing
3. Building, Post processing, RP data formats, Classification of 3D printing process
4. Stereo lithography apparatus (SLA): Models and specifications, process, working principle
5. Solid ground curing (SGC): Models and specifications, process, working principle, Laminated object manufacturing (LOM): Models and specifications, Process
6. Fused Deposition Modeling (FDM): Models and specifications, Process

### **Topics Covered:**

- 3D-Modelling, data conversion
- Rapid Prototyping data formats
- photo polymerization stereo lithography
- solid ground curing case studies
- laminated object manufacturing
- fused deposit modelling

Registration Details Free

Last Date for Registration: 10.12.2020

### **REGISTRATION FORM**

A Two Week Certification Program

on

**" 3D-PRINTING "**

Name: \_\_\_\_\_

Reg No. \_\_\_\_\_

Department \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

Phone \_\_\_\_\_

Email: \_\_\_\_\_

**Signature of the Participant**

**Signature of Head of the Institution  
(With the official seal)**



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**Department of Mechanical Engineering**

**A Two Week Certification program**


**on**  
**3D-PRINTING**

**( 14.12.2020 to 28.12.2020 )**

<b>Date</b>	<b>Session-I</b>	<b>Session-II</b>	<b>Session-III</b>
<b>14.12.2020 (Monday)</b>	Inauguration	Introduction to 3D printing	Hands on
<b>15.12.2020 (Tuesday)</b>	Commonly used terms, process chain, 3D modelling	Data Conversion, and transmission	Hands on
<b>16.12.2020 (Wednesday)</b>	Checking and preparing, Building,	Post processing, RP data formats	Hands on
<b>17.12.2020 (Thursday)</b>	Classification of 3D printing process	Stereo lithography apparatus (SLA): Models and specifications,	Hands on
<b>18.12.2020 (Friday)</b>	SLA process, working principle, photopolymers	layering technology, laser and laser scanning,	Hands on
<b>19.12.2020 (Saturday)</b>	applications, advantages and disadvantages	Solid ground curing (SGC): Models and specifications	Hands on
<b>21.12.2020 (Monday)</b>	SGC Models and specifications, process	SGC applications, advantages and disadvantages, case studies	Hands on



22.12.2020 (Tuesday)	Laminated object manufacturing(LOM): Models	Laminated object manufacturing(LOM): specifications, Process.	Hands on
23.12.2020 (Wednesday)	LOM Advantages and disadvantages, Case studies	Fused Deposition Modeling (FDM): Models and specifications	Hands on
24.12.2020 (Thursday)	Fused Deposition Modeling (FDM) Working principle	FDM Advantages and disadvantages	Hands on
26.12.2020 (Saturday)	FDM CASE STUDIES	FDM demonstration	Sample Projects & Case studies
28.12.2020 (Monday)	FDM Applications	Exam & Feedback	Valedictory

  
Co-ordinator

  
Head of the Department  
Mechanical Engineering  
**HOD, ME**  
DHANEKULA INSTITUTE  
OF ENGINEERING AND TECHNOLOGY  
Ganguru, Vitthalwadi, 521 139





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## Department of Mechanical Engineering

### Name of the Program: A TWO WEEK CERTIFICATION PROGRAM ON 3D-PRINTING

#### Student List

S. No	Roll No	Name	Year & Branch	Signature
1	188T1A0318	Jonala Hemanth Premdas	IIME	J. Hemanth Premdas
2	198T1A0301	A Nitish Chandra	IIME	A.N. Chandra
3	198T1A0302	Bannarapu Yaswanth Kumar	IIME	B. Yaswanth
4	198T1A0303	Battula Sukumar	IIME	B. Sukumar
5	198T1A0304	Bavineni Syam Srinadh	IIME	B.S. Srinadh
6	198T1A0305	Chalamalasetti Sai Prasad	IIME	Ch. Sai Prasad
7	198T1A0306	Chilamkurthi Hema Kanth	IIME	C. Hema Kanth
8	198T1A0307	Donga Sridhar	IIME	D. Sridhar
9	198T1A0308	Gorantla Yaswanth Kumar	IIME	G. Yaswanth
10	198T1A0309	Katuri Andrew Rajendra	IIME	K.A. Rajendra
11	198T1A0310	Mohammed Jaffar Sadiq	IIME	M. Jaffar Sadiq
12	198T1A0311	Padala Hari Krishna	IIME	P. Hari Krishna
13	198T1A0312	Paidi Samba Shiva Rao	IIME	P. Samba Shiva Rao
14	198T1A0313	Simhadri Venkata Siva Ram Prasad	IIME	S. Venkata Siva Ram Prasad
15	198T1A0314	Syed Habibullah	IIME	S. Habibullah
16	198T1A0315	Tatiparthi Yohoshuva	IIME	T. Yohoshuva
17	198T1A0316	Venigalla Chaitanya Sai	IIME	V. Chaitanya Sai
18	208T5A0301	Abdul Salam	IIME	A. Salam
19	208T5A0302	Barnala Raghava	IIME	B. Raghava
20	208T5A0303	Bommidi Dayakar	IIME	B. Dayakar
21	208T5A0304	Bontha Vamsi Krishna	IIME	B. V. Krishna
22	208T5A0305	Buddha Bhargav	IIME	B. Bhargav
23	208T5A0306	Chavali Sandeep	IIME	Ch. Sandeep
24	208T5A0307	Cherla Manoj	IIME	C. Manoj
25	208T5A0308	Dokku Hari Krishna	IIME	D. Hari Krishna



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26	208T5A0309	Gaddam Uttej	II ME	G. Uttej
27	208T5A0310	Gudivada Rabin Chakravarthi	II ME	G.R Chakravarthi
28	208T5A0311	Kaki Syam Babu	II ME	K.Syambabu
29	208T5A0312	Kanchanapalli Pavan Kumar	II ME	K.Pavan Kumar
30	208T5A0313	Korrapati Rohan	II ME	K.Rohan
31	208T5A0314	Markapudi Jashuva Sundar	II ME	M.Jashuva
32	208T5A0315	Marrela Venkata Sai Seshu	II ME	M.V.S.Seshu
33	208T5A0316	Murala Doni Sravanth Gowd	II ME	M.D.Sravanth Gowd
34	208T5A0317	Nadakuditi Ravi Teja	II ME	N.Ravi Teja
35	208T5A0318	Nandam Venkata Krishna	II ME	N.Venkata Krishna
36	208T5A0319	Parasa Sai Teja	II ME	P.Sai Teja
37	208T5A0320	Pedapudi Rupanand	II ME	P.Rupanand
38	208T5A0321	Pogiri Balakrishna	II ME	P.Balakrishna
39	208T5A0322	Shaik Nizamuddin	II ME	Sk Nizamuddin
40	208T5A0323	Tumati Mohan Kumar	II ME	Mohan Kumar
41	208T5A0324	Uppala Mohan Chandra	II ME	U.Mohan
42	208T5A0325	Yelleti Kalyan Chandu	II ME	Y.Kalyan
43	178T1A0318	DhaneKula Yeswanth Chowdary	II ME	D.Y.Choudary
44	188T1A0301	Adapala Rakesh	III ME	A.Rakesh
45	188T1A0302	Adusumilli Phani Kumar	III ME	A.Phani Kumar
46	188T1A0303	Aluri Sridhar	III ME	A.Sridhar
47	188T1A0304	Billipati Vamsi Krishna	III ME	B.V.Krishna
48	188T1A0305	Bolla Suresh	III ME	B.Suresh
49	188T1A0306	Bommasani Anil Kumar	III ME	B.Anil Kumar
50	188T1A0307	Chagantipati Chitti Babu	III ME	Ch.Chitti Babu
51	188T1A0308	Chambani Shambu	III ME	Ch.Shambu
52	188T1A0309	Chandana Jaya Chandra	III ME	Ch.Jaya chandana
53	188T1A0310	Chava.Vamsi Krishna	III ME	C.V.Krishna
54	188T1A0311	Chimata Mahesh Babu	III ME	Ch.Mahesh Babu
55	188T1A0312	Dokku Shivanjaneyulu	III ME	D.Sivan
56	188T1A0313	Gadde Sai Hemanth	III ME	G.Sai Hemanth



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57	188T1A0314	Gvenkata Saikumar	II ME	G. Saikumar
58	188T1A0315	Gopineni Jogi Venkata Sai	III ME	G. Jogi Venkata Sai
59	188T1A0316	Gutti Deva Naga Surendra	III ME	G. Deva Naga Surendra
60	188T1A0317	Jampana Rakesh	III ME	J. Rakesh
61	188T1A0319	Jonnalagadda Rajesh	III ME	J. Rajesh
62	188T1A0320	Kallagunta Giridhar	III ME	K. Giridhar
63	188T1A0321	Kesavarapu Siva Apparao	III ME	K. Siva Apparao
64	188T1A0322	Kilari Sai Chetan	III ME	K. Sai Chetan
65	188T1A0323	Kota Venkata Ajay Kumar	III ME	K. Venkata Ajay Kumar
66	188T1A0324	Madu Venkata Satish	III ME	M. Venkata Satish
67	188T1A0325	M Umesh Chandra	III ME	M. Umesh Chandra
68	188T1A0326	Mandapati Aswin Kumar	III ME	M. Aswin Kumar
69	188T1A0327	Maredu Kishore Babu	III ME	M. Kishore Babu
70	188T1A0330	Mendu Narasimha Naidu	III ME	M. Narasimha Naidu
71	188T1A0331	Mohan Chandu Lingam	III ME	M. Mohan Chandu Lingam
72	188T1A0332	Molaka Madhu Kumar	III ME	M. Madhu Kumar
73	188T1A0333	Nandam Santosh	III ME	N. Santosh
74	188T1A0334	Nerusu Balakrishna	III ME	N. Balakrishna
75	188T1A0336	Naga Ruthwik Parnam	III ME	N. Ruthwik Parnam
76	188T1A0337	Pathri Venkata P Kumar	III ME	P. Venkata P Kumar
77	188T1A0338	Paturi Koteswara Rao	III ME	P. Koteswara Rao
78	188T1A0339	Potturi Rajesh	III ME	P. Rajesh
79	188T1A0340	Ragala Mani Kanta	III ME	R. Mani Kanta
80	188T1A0341	Shaik Sameeruddin	III ME	S. Sameeruddin
81	188T1A0342	Surapaneni Pavan Kumar	III ME	S. Pavan Kumar
82	188T1A0343	Talluri Venkata Krishna	III ME	T. Venkata Krishna
83	188T1A0344	Vanga Praneeth Reddy	III ME	V. Praneeth Reddy
84	188T1A0345	Varre Rajesh	III ME	V. Rajesh
85	188T1A0346	Vempala Venkata Sai Teja	III ME	V. Venkata Sai Teja
86	198T5A0301	Ambati Manohar	III ME	A. Manohar
87	198T5A0302	Avula Sai Prasad	III ME	A. Sai Prasad



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88	198T5A0303	Bandi Bhanu Koti Mani Sai Surya Prakash	III ME	B.B.K. Mani Sai
89	198T5A0304	Bathula Venkateswarlu	III ME	B. Venkateswarlu
90	198T5A0305	Beeram Siva Karthik	III ME	B. Karthik
91	198T5A0307	Chatla Phaneendra	III ME	Ch. Phaneendra
92	198T5A0308	Cheedella Harsha	III ME	C.H. Harsha
93	198T5A0309	Chepeni Ganesh	III ME	Ch. Ganesh
94	198T5A0310	Chimata Naga Varaprasad	III ME	Ch. Naga Varaprasad
95	198T5A0311	Chinnam Chaitanya	III ME	Ch. Chaitanya
96	198T5A0312	Dakarapu Subrahmanyam	III ME	D. Subrahmanyam
97	198T5A0313	Darla Satish	III ME	D. Satish
98	198T5A0314	Dasari Leela Narasimha Rao	III ME	D. Leela Narasimha Rao
99	198T5A0315	Jupudi Dinakar Babu	III ME	J. Dinakar Babu
100	198T5A0316	Kari Charan	III ME	K. Charan
101	198T5A0317	Katru Vamsi	III ME	K. Vamsi
102	198T5A0318	Kavalakunta Prem Chandu	III ME	K. Prem Chandu
103	198T5A0319	Kondapalli Bala Koteswara Rao	III ME	K.B.K. Rao
104	198T5A0320	Kongari Siva Ram	III ME	K. Siva Ram
105	198T5A0321	Kuchipudi Pavan Kumar	III ME	K. Pavan Kumar
106	198T5A0322	Manepalli Anka Babu	III ME	M. Anka Babu
107	198T5A0323	Mathe Kalyan Kumar	III ME	M. Kalyan Kumar
108	198T5A0324	Moka Venkatasatyanarayana Verma	III ME	M. Venkatasatyanarayana Verma
109	198T5A0325	Nallamothu Pavan Kalyan	III ME	N. Pavan Kalyan
110	198T5A0326	Pathan Ilahi Khan	III ME	P. Ilahi Khan
111	198T5A0327	Patnana Balaji	III ME	P. Balaji
112	198T5A0328	Podili Maneesh Kumar	III ME	P. Maneesh Kumar
113	198T5A0329	Quddus Abdul	III ME	Q. Abdul
114	198T5A0330	Ravuri Srikanth	III ME	R. Srikanth
115	198T5A0331	Sangoju Chandra Sekhar	III ME	Sangoji Chandra Sekhar
116	198T5A0332	Shanagavarapu Yesubabu	III ME	S. Yesubabu
117	198T5A0333	Shaik Karimulla	III ME	S. Karimulla
118	198T5A0334	Srikanth Rachuri	III ME	S. Rachuri




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119	198T5A0335	Sureddy Gopi Reddy	II ME	Gopi Reddy
120	198T5A0336	Suriseti Siddhardha	II ME	S. Siddhardha
121	198T5A0337	Tulimilli Satyanarayana	II ME	T. Satyanarayana
122	198T5A0338	Veeranki Sunil Kumar	II ME	V. Sunil Kumar
123	198T5A0339	Ventrapragada Dhanesh Kumar	II ME	V. Dhanesh Kumar
124	198T5A0340	Viswanadhuni Raghunadha Babu	II ME	V. Raghunadha Babu
125	198T5A0341	Chittibomma Vamsi	II ME	Ch. Vamsi

  
Co-ordinator

  
Head of the Department  
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86	198T5A0301	Ambati Manohar	P	P	P	P	P	P	P	P	P	P	P
87	198T5A0302	Avula Sai Prasad	P	P	P	P	P	P	P	P	P	P	P
88	198T5A0303	Bandi Bhanu Koti Mani Sai Surya Prakash	P	P	P	P	P	P	P	P	P	P	P
89	198T5A0304	Bathula Venkateswarlu	P	P	P	P	P	P	P	P	P	P	P
90	198T5A0305	Beeram Siva Karthik	P	P	P	P	P	P	P	P	P	P	P
91	198T5A0307	Chatla Phaneendra	P	P	P	P	P	P	P	P	P	P	P
92	198T5A0308	Cheedella Harsha	P	P	P	P	P	P	P	P	P	P	P
93	198T5A0309	Chepeni Ganesh	P	P	P	P	P	A	P	P	P	P	P
94	198T5A0310	Chimata Naga Varaprasad	P	P	P	P	P	P	P	P	P	P	P
95	198T5A0311	Chinnam Chaitanya	P	P	P	P	P	P	P	P	P	P	P
96	198T5A0312	Dakarapu Subrahmanyam	P	P	P	P	P	P	P	P	P	P	P
97	198T5A0313	Darla Satish	P	P	P	P	P	P	P	P	P	P	P
98	198T5A0314	Dasari Leela Narasimha Rao	P	P	P	P	P	P	P	P	P	P	P
99	198T5A0315	Jupudi Dinakar Babu	P	P	P	P	P	P	P	P	P	P	P
100	198T5A0316	Kari Charan	P	P	P	P	P	P	P	P	P	P	P
101	198T5A0317	Katru Vamsi	P	P	P	P	P	P	P	P	P	P	P
102	198T5A0318	Kavalakunta Prem Chandu	P	P	P	P	P	P	A	P	P	P	P
103	198T5A0319	Kondapalli Bala Koteswara Rao	P	P	P	P	P	P	A	P	P	P	P





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122	198T5A0338	Veeranki Sunil Kumar	P	P	P	P	P	P	P	P	P	P	P	P
123	198T5A0339	Ventrapragada Dhanesh Kumar	P	P	P	P	P	P	P	P	P	P	P	P
124	198T5A0340	Viswanadhuni Raghunadha Babu	P	P	P	P	P	P	P	P	P	P	P	P
125	198T5A0341	Chittibomma Vamsi	P	P	P	P	P	P	P	P	P	P	P	P

  
Co-ordinator

  
HoD, ME

Head of the Department  
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## Department of Mechanical Engineering

30.12.2020

### PROGRAM REPORT

**Name of the Event :** A Two Week Certification program on 3D-Printing

**Date:** 14.12.2020 to 28.12.2020

**Resource Persons:** 1. Dr.V.L.KRISHNAN  
Associate Professor  
Department of ME  
Email: krishnanvl08@@gmail.com  
Contact Number: 9502571111

**Name of the Co-Ordinator:** Mr. K. Pavan Kumar

**Number of Students Attended :** 125

**Venue:** ME Seminar hall

#### Objectives:

- To gain Understanding on Prototyping fundamentals, Introduction to 3D printing
- To explore the Possibilities of 3D modelling, Data Conversion, and transmission, Checking and preparing
- To understand the fundamentals of Building, Post processing, RP data formats, Classification of 3D printing process
- To Analyze the Stereo lithography apparatus (SLA): Models and specifications, process, working principle
- To Analyze the Stereo lithography apparatus (SLA): Models and specifications, process, working principle
- To Analyze the Fused Deposition Modelling (FDM): Models and specifications, Process

#### Learning Outcomes :

- Understating the fundamentals of 3D-Modelling, data conversion



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- To explore the possibilities of Rapid Prototyping data formats
- To gain insight knowledge on photo polymerization stereo lithography
- Analyzing the best solid ground curing case studies
- Understanding the fundamental concepts of laminated object manufacturing
- Learning the fundamentals' fused deposit modelling

DhaneKula Institute of Engineering and Technology has organized “A Two Week Certification program on 3D-Printing” for II,III & IV year B.Tech ME students from 14.12.2020 to 28.12.2020. A total of 125 students were participated in this program.



  
CO-ORDINATOR

  
HoD  
Head of the Department  
Mechanical Engineering  
DHANEKULA INSTITUTE  
OF ENGINEERING & TECHNOLOGY  
GANGURU, VIJAYAWADA





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## Department of Mechanical Engineering

### Assessment Form

Name of the Program: A Two Week Certification Program On 3D-Printing

Date : 28-12-2020

Time : 30 min

Max Marks : 15 \* 1 = 15 M

Reg No: 188T1A0325

Academic Year : 2020-21

Year/Sem : III/II

1. What is 3D printing also commonly known as? (A)

- A. Additive Manufacturing    B. Subtractive Manufacturing  
C. Injection Molding    D. CNC Machining

14  
—  
15

2. Which of the following materials is commonly used in Fused Deposition Modeling (FDM) 3D printing? (C)

- A. Metal powders    B. Resin    C. Plastic filament    D. Ceramic powder

3. Which software is often used to create 3D models for 3D printing? (B)

- A. Adobe Photoshop    B. Autodesk Fusion 360  
C. Microsoft Excel    D. Adobe Illustrator

4. Which type of 3D printing technology uses a laser to cure a liquid resin into solid layers? (B)

- A. Selective Laser Sintering (SLS)    B. Stereolithography (SLA)  
C. Digital Light Processing (DLP)    D. Electron Beam Melting (EBM)

5. What is the layer thickness typically measured in for 3D printing? (A)

- A. Millimeters (mm)    B. Micrometers ( $\mu\text{m}$ )  
C. Centimeters (cm)    D. Inches (in)

6. Which of the following is NOT a benefit of 3D printing? (A)

- A. Mass production capabilities    B. Customization  
C. Rapid prototyping    D. Reduced material waste

7. Which type of 3D printing technology uses a powder bed and a laser to selectively melt and fuse metal powder? (C)

- A. Fused Deposition Modeling (FDM)    B. Binder Jetting



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C. Selective Laser Melting (SLM) D. Digital Light Processing (DLP)

8. What is the process called when support structures are added to a 3D model to prevent overhangs during printing? (A)

A. Slicing B. Layering C. Bridging D. Rafting

9. Which of the following is NOT a common application of 3D printing? (C)

A. Medical implants B. Automotive parts

C. Food packaging D. Architectural models

10. What does STL stand for in the context of 3D printing? (D)

A. Stereoscopic Layer Technology B. Standard Template Language

C. Structured Text Language D. Standard Tessellation Language

11. Which factor primarily determines the resolution of a 3D printed object? (A)

A. Layer height B. Printing speed C. Filament diameter D. Printing temperature

12. What is the process called when a 3D printer deposits material layer by layer to build up a physical object? (B)

A. Extrusion B. Deposition C. Sintering D. Lamination

13. Which type of 3D printing technology is commonly used for producing prototypes with high accuracy and detail? (B)

A. Fused Deposition Modeling (FDM) B. Stereolithography (SLA)

C. Selective Laser Sintering (SLS) D. Digital Light Processing (DLP)

14. What does the term "bed adhesion" refer to in 3D printing? (B)

A. The strength of the bond between layers

B. The ability of the printed object to stick to the print bed

C. The smoothness of the print bed surface D. The levelness of the print bed

15. Which of the following is a post-processing technique used to smooth the surface of 3D printed objects? (A)

A. Sanding B. Soldering C. Welding D. Laser cutting



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## CERTIFICATE OF PARTICIPATION

This is to certify that

Mr. Rachuri Srikanth

of

**DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY**

has successfully participated in “A Two Week Certification Program on 3D Printing” conducted by  
Department of Mechanical Engineering, DhaneKula Institute of Engineering & Technology, Ganguru  
held from 14-12-2020 to 28-12-2020

PROGRAM CO-ORDINATOR

HOD

PRINCIPAL



# DHANEKULA INSTITUTE OF ENGINEERING & TECHNOLOGY

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Mr. Aluri Sridhar

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PROGRAM CO-ORDINATOR

HOD

PRINCIPAL