

DRK INSTITUTE OF SCIENCE & TECHNOLOGY
BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043
Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in
(Approved by AICTE, Affiliated to JNTUH)

List of Certificate/ Add-on Programs

Academic Year: 2023-24

S.No	Name of the Program	Duration of Course	No. of Participants
1	A Two Weeks Certification Course on Internet of Things and Smart Grids	11/12/23-23/12/23	40
2	A 9 Days Certification Course on Advanced Fluid Mechanics	10/09/2023-19/09/2023	141
3	A Two Weeks Certification Course on Quantum Computing and Communication	20/11/23-04/12/23	50
4	A Two Weeks Certification Course on Artificial Intelligence with Robotics	30/10/23-11/11/23	292
5	A Two Weeks Certification Course on Cloud Computing with AWS	06/11/23-18/11/23	170
6	A Two Weeks Certification Course on Advanced Data Science and Machine Learning	04/12/23-14/12/23	24
7	A Two Weeks Certification Course on Innovation and creativity in Business	06/11/23-16/11/23	126

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DRK Institute of Science & Technology
Bowrampet, Qutubullapur, Hyderabad-500 043.



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

Mobile: +91-9000711899, +91-8790711899, Website: www.drkist.edu.in

Department of Electrical and Electronics Engineering

Ref .No: DRKIST/EEE/AOP/2023-24/01

Date: 02/12/2023

CIRCULAR

Department of EEE organizing “A Two Weeks Certification Course on Internet of Things and Smart Grids” for third year and final year students of EEE. Interested students can enroll their names to Mr. C.P.SUDHKAR, on or before **09/12/2023**. Certificate will be issued to the students after successful completion of the course. The details contents of the course and other information is attached herewith.

S.no	Name of the course	Date of commencement	Venue
1	“A Two Weeks Certification Course on Internet of Things and Smart Grids”	11/12/2023	Seminar Hall

HOD
Copy to

1. Principal.
2. Office Room.
3. Notice Board.
4. Head of CSE Dept.
5. Head of CSE (AI & ML) Dept.
6. Head of CSE (DS) Dept.
7. Head of ECE Dept.
8. Head of Mech Dept.
9. Head of MBA Dept.



Lair
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DRK Institute of Science & Technology
Bowrampet, Quthubullapur,
Hyderabad - 500 043.

ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao. He founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D.B. Chandra Sekhar Rao, a distinguished and successful entrepreneur, established the institute with an unwavering commitment to providing high-quality education. His vision was to create a leading institution that would contribute to the nation's economic and industrial growth. DRK Institute of Science and Technology is part of the DRK Educational Society, which has made significant investments in infrastructure, academic resources, and career development opportunities for its students. The institute dedicates itself to cultivating a dynamic learning environment that enhances its students' conceptual and technical skills, equipping them for the challenges of the modern world.

ABOUT THE EEE DEPARTMENT

The department of Electrical and Electronics Engineering was established in the year 2004. It offers UG with intake of 30 students. The students are offered with innovative workshops, guest lectures informative industrial visits etc on a regular basis, to keep them updated with the latest trends in electrical and electronics engineering. Well-equipped labs and sound academic record faculty are provided to make the students feel the greatness of Electrical Engineering. DRK values the importance of this stream, and honors it by providing the course.

About the Certificate Program

Smart grids involve IOT devices that can communicate with each other and with consumers. Smart grids are electrical grids that involve the same transmission lines, transformers and substations as a traditional power grid. The IOT supports the technology and communication to require to make "smart grids" smart.

TOPICS COVERED

- Introduction about IOT and Smart grid
- Efficient Operation Management
- Cost effective Operation
- Load Handling
- Demand Response Support
- Decentralization of power
- IOT applications
- Measurement and Control Devices.

A 2 WEEK CERTIFICATE PROGRAMME

ON

INTERNET OF THINGS AND SMART GRID

DEC 11TH

TO

DEC 23RD 2023

Organized by EEE Department



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Website: www.drkist.edu.in

(Approved by AICTE, Affiliated to JNTUH)

Chief Patron
D.B.Chandra Shekara Rao
Chairman

Patrons

Sri. D. Santosh
Secretary

Sri. D. Sriram
Treasurer

Dr. K. Venkata Subbiah
Principal

Coordinator

Mrs.SHANTALA
Assistant Professor, EEE

Dr.P.Srinivas
Head

Address for communication

Mrs. Shantala
Coordinator, EEE, Assistant Professor
9676340273
Shantala2523@gmail.com

Registration Details

Last Date for
Registration
9th DEC2023

*"Something is
Valuable,
someone will try
and steal it.*

REGISTRATION FORM

*A TWO WEEKS CERTIFICATE
PROGRAMME*

On

*INDUSTRIAL AUTOMATION WITH
PLC AND SCADA*

Name: Mr. /Ms.: _____

Reg .No: _____

Department: _____

Organization: _____

Address: _____

Phone: _____

Email: _____

Signature of
Participant

Department of Electrical and Electronics Engineering

Course Title: - "A Two Weeks Certification Course on Internet of Things and Smart Grids"

S. No:	Content
1.	Day-1: Introduction about IOT
2.	Day-2: Introduction about Smart Grid
3.	Day-3: Efficient Operation Management
4.	Day-4: Cost effective operation
5.	Day-5: Load Handling
6.	Day-6: Demand Response Support
7.	Day-7: Decentralization of power generation
8.	Day-8: Measurement and Control Devices
9.	Day-9: Networking
10.	Day-10: Computation Devices
11.	Day-11: IOT Applications
12.	Day-12: Future of Electrical Engineering With IOT


COORDINATOR


HOD

Department of Electrical and Electronics Engineering

Course Name: - “A Two Weeks Certification Course on Internet of Things and Smart Grids”

S. No	Contents	Dates
1.	Introduction about IOT- Sensors/devices, connectivity, data processing, and a user interface.	11/12/23
2.	Introduction about Smart Grid - Network small-scale distributed energy generation and storage devices, communicate information on operating status and needs, collect information on prices and grid conditions.	12/12/23
3.	Efficient Operation Management - <ul style="list-style-type: none"> • Real-time Insights and Monitoring • Predictive Maintenance • Supply Chain Visibility and Optimization • Optimization of Energy and Resource Consumption 	13/12/23
4.	Cost effective operation- <ul style="list-style-type: none"> • Decrease downtime & avoid total equipment failure • Avoid costly & unnecessary maintenance • Notice and fix bottlenecks • Connect and protect workers • Improve long-term planning and strategy 	14/12/23
5.	Load Handling <ul style="list-style-type: none"> • Hazards and injuries. • Commonly affected industries and workforces. • Evaluation or assessment tools. • Equipment to reduce risk of injury. Exoskeletons. ... • Ways to reduce risk of injury. ... • Safe manual materials handling techniques. . 	15/12/23
6.	Demand Response Support <ul style="list-style-type: none"> • Emergency demand response 	16/12/23

	<ul style="list-style-type: none"> • Economic demand response • Ancillary services demand response. 	
7.	Decentralization of power generation <ul style="list-style-type: none"> • Solar PV system • CHP • Energy storage units • Wind farms • Electric vehicle (EV) 	18/12/23
8.	Measurement and Control Devices <ul style="list-style-type: none"> • Wearable's • Home Automation Devices • Industrial IoT (IoT) Devices 	19/12/23
9.	Networking Wi-Fi, Cellular networks, and specialized protocols like LPWAN, Zigbee, or RFID.	20/12/23
10.	Computation Devices	21/12/23
11.	IOT Applications Managing the traffic, handling waste management, optimizing streetlights, saving water, monitoring energy expenditure, creating smart buildings, and more	22/12/23
12.	Future of Electrical Engineering With IOT	23/12/23

C.P. Shah

COORDINATOR

S. John
HOD



Department of Electrical and Electronics Engineering

Name of the Course: "A Two Weeks Certification Course on Internet of Things and Smart Grids"

Registration Details

S. NO	NAME OF THE STUDENT	YEAR/BRANCH	SIGNATURE
1	MYADARI SANDEEP	III YEAR	<i>Randeep</i>
2	THALLAPELLY RACHANA	III YEAR	<i>Rachana</i>
3	BEESA VIKAS	III YEAR	<i>B. Vikas</i>
4	KONDU SAI	III YEAR	<i>K. Sai</i>
5	NAKKA THARUN	III YEAR	<i>N. Tharun</i>
6	KETHAVATH SATHISH	III YEAR	<i>Sathish</i>
7	MANNE BHANU PRASAD	III YEAR	<i>Bhanu prasad</i>
8	SOMASHETTI SANDEEP	III YEAR	<i>Sandeep</i>
9	VEDDA VINAY	III YEAR	<i>Vinay</i>
10	SAROLLU VINEETH	III YEAR	<i>Vineeth</i>
11	KEDRI NAVYA	III YEAR	<i>Navya</i>
12	KUMMARI SRAVANTHI	III YEAR	<i>Sravanti</i>
13	ALLAKONDA SRIKANTH GOUD	III YEAR	<i>Srikant</i>
14	ERROLLA YESURATHNAM	III YEAR	<i>Yesurathnam</i>
15	KAMMARIKATHA SREENU	III YEAR	<i>K. Sreenu</i>
16	BARUPATI ARAVIND	III YEAR	<i>Araivind</i>
17	M R SAI TEJ	III YEAR	<i>Sai Tej</i>
18	NANDIGAMA RAVITEJA	III YEAR	<i>Raviteja</i>
19	PODISHETTI VISHAL	III YEAR	<i>Vishal</i>
20	YEGURU MADHUSUDHAN	III YEAR	<i>Madhusudhan</i>

21	NEELI SHIVA VENKATA SAI	III YEAR	<u>venkatasai</u>
22	CHILUKA MALLIKARJUN	III YEAR	<u>C. Mallika</u>
23	TALELMA KISHORE	III YEAR	<u>T. Kishore</u>
24	KURAKULA HIMABINDU	IV YEAR	<u>Himabindu</u>
25	N SURESH	IV YEAR	<u>Suresh</u>
26	KONDAIAH BULLA	IV YEAR	<u>Bulla</u>
27	KONDOJU SHESHANK	IV YEAR	<u>Shanku.</u>
28	MUTHAMGARI SURESH	IV YEAR	<u>SUREsh</u>
29	PAMBALA MADHUSUDHAN	IV YEAR	<u>P. Madhusudhan</u>
30	ADEPU RAJENDHAR	IV YEAR	<u>Rajendhar</u>
31	BATHULA SANJAY KUMAR	IV YEAR	<u>Sanjay</u>
32	DESHAMONI NISHANTH	IV YEAR	<u>Nishanth</u>
33	DURSHEETY SAI DINESH	IV YEAR	<u>Dinesh</u>
34	GONDLA SAI GOUTHAM	IV YEAR	<u>Sai.</u>
35	GUGЛОTH VIDYA	IV YEAR	<u>Vidya.</u>
36	KONYALA ARAVIND	IV YEAR	<u>Aravind.</u>
37	MANAPURAM SAIPRIYA	IV YEAR	<u>Priya.</u>
38	MOHAMMAD ABDULSIRAJ	IV YEAR	<u>Siraj</u>
39	RATHAVATH VASUNDHARA	IV YEAR	<u>Vasundhara.</u>
40	SINGASANI PRATHYUSHA	IV YEAR	<u>Prathyusha.</u>

C.P. Shm
COORDINATOR

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HOD



Department of Electrical and Electronics Engineering

PROGRAM REPORT

Name of the Event : A Two Weeks Certification Course on “Internet of Things and Smart Grids”

Date : 11/12/23 - 23/12/23

Event Coordinator : Mr. C.P SUDHAKAR, Assistant professor, Dept. Of EEE

Number of students attended: 38

Venue : Seminar Hall, DRK Institute of science and technology

DRK Institute of science and technology organized certificate program on “**Internet of Things and Smart Grids**” for B-tech III year and IV year students.

Smart grids involve IoT devices that can communicate with each other and with the consumers

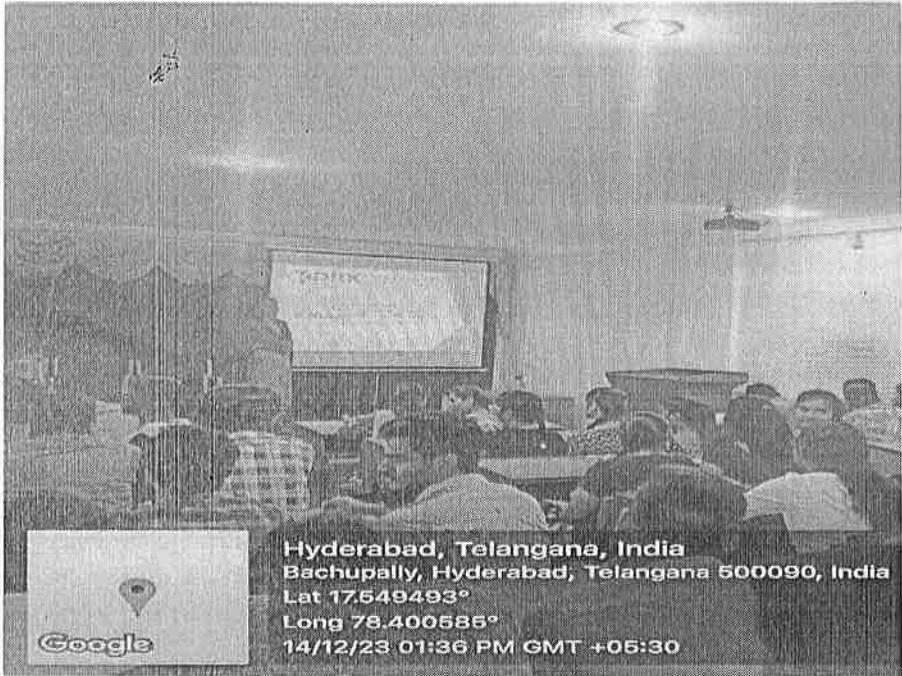
Smart grids are electrical grids that involve the same transmission lines, transformers, and substations as a traditional power grid.

Objectives

- To optimize energy distribution.
- To reduce energy waste.
- To integrate renewable energy sources efficiently and enabling real time monitoring.
- To simplify meter reading, error identification.
- Real time data acquisition within the operational processes.
- To support access to digital information.
- To ease daily life by increasing user comfort.

Learning Outcomes

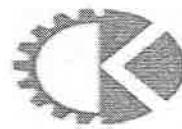
- To enable monitoring of energy flows.
- Adjustment to variations in power requirements and supply in real time.
- Understand the fundamental element of the smart grid and power grid.
- To understand different communication technologies used in smart grid.
- Efficient transmission of electricity.



The course is very useful to the students and their feedback is positive. The management and principal of DRK institute of Science and Technology thanked the participants for making the program successful.

COORDINATOR

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Department of Electrical and Electronics Engineering

ATTENDANCE SHEET

Name of the Course: A Two weeks Certification Course on "Internet of things and smart Grids"

38	MOHAMMAD ABDULSIRAJ	P	P	P	P	P	P	P	P	P	P	P	P
39	RATHLAVATH VASUNDHARA	A	A	A	A	A	A	A	A	A	A	A	A
40	SINGASANI PRATHYUSHA	A	A	A	A	A	A	A	A	A	A	A	A

C.P. Shnl
COORDINATOR



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

Course Title:

Name:

Program/Year:

N. Tavun
IoT & Smart grid
III | B.Tech

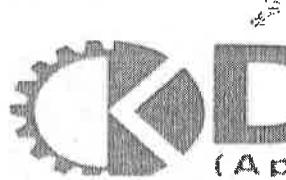
18
20

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1. What is the full form of IoT?
 - a) Internet of Technology
 - b) Incorporate of Things
 - c) Internet of Things
 - d) Incorporate of Technology
2. What is IoT?
 - a) network of physical objects embedded with sensors
 - b) network of virtual objects
 - c) network of objects in the ring structure
 - d) network of sensors
3. Who coined the term “Internet of Things”?
 - a) Kevin Aston
 - b) John Wright.
 - c) Edward Jameson
 - d) George Garton
4. When was the actual term “Internet of Things” coined?
 - a) 1998
 - b) 1999
 - c) 2000
 - d) 2002
5. Which of the following is not an IoT device?
 - a) Table
 - b) Laptop
 - c) Arduino
 - d) Tablet
6. Which of the following is false about IoT devices?
 - a) IoT devices use the internet for collecting and sharing data
 - b) IoT devices need microcontrollers
 - c) IoT devices use wireless technology
 - d) IoT devices are completely safe

7. Which of the following is not an IoT platform?
- a) Amazon Web Services
 - b) Microsoft Azure
 - c) Salesforce
 - d) ~~Flipkart~~
8. Which of the following is not an application of IoT?
- a) BMP280
 - b) Smart home
 - c) Smart city
 - d) Self-driven cars
9. Which of the following is not a fundamental component of an IoT system?
- a) Sensors
 - b) Connectivity and data processing
 - c) User interface
 - d) Transformer
10. What is the full form of IIOT?
- a) Index Internet of Things
 - b) Incorporate Internet of Things
 - c) Industrial Internet of Things
 - d) Intense Internet of Things
11. Which layer is used for wireless connection in IoT devices?
- a) Application layer
 - b) Network layer
 - c) Data link layer
 - d) Transport layer
12. Which of the following is false about the IoT components?
- a) A light sensor (photo resistor) is an analog sensor
 - b) A microphone is a digital sensor
 - c) A push button is a digital sensor
 - d) A keyboard is a digital sensor
13. Which of the following is used to capture data from the physical world in IoT devices?
- a) Sensors
 - b) Actuators
 - c) Microprocessors
 - d) Microcontrollers
14. Which of the following command is used to trigger the Amazon echo IOT device?
- a) Hello
 - b) Suri
 - c) Alexa
 - d) Hey
15. Which of the following is not a sensor in IoT?
- a) BMP280
 - b) DHT11

- c) Photo resistor
~~d) LED~~
16. Which of the following is not an actuator in IoT?
a) Stepper motor
b) A fan
c) An LED
~~d) Arduino~~
17. Which of the following is used to reprogram a Bootloader in IoT devices?
a) VHDL programming
b) IDE
~~c) ICSP~~
d) MANET
18. How many number of elements in the Open IoT Architecture?
a) 3 elements
b) 7 elements
~~c) 8 elements~~
d) 6 elements
19. IoT-A stands for _____
a) Internet of Things Area
~~b) Industrial of things Architecture~~
c) Internet of Things Address
d) Internet of Things Architecture
20. Which library is used to access I2C in Arduino IoT devices?
~~a) EEPROM~~
~~b) Wire~~
c) DHT11
~~d) Arduino son~~



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Department of Electrical and Electronics Engineering

Name of the Course: "A Two Weeks Certification Course on Internet of Things and Smart Grids"

Grade Sheet

S. NO	NAME OF THE STUDENT	YEAR/BRANCH	GRADE
1	MYADARI SANDEEP	III YEAR	A
2	THALLAPELLY RACHANA	III YEAR	A
3	BEESA VIKAS	III YEAR	A
4	KONDU SAI	III YEAR	A
5	NAKKA THARUN	III YEAR	A
6	KETHAVATH SATHISH	III YEAR	A
7	MANNE BHANU PRASAD	III YEAR	A
8	SOMASHETTI SANDEEP	III YEAR	A
9	VEDDA VINAY	III YEAR	B
10	SAROLLU VINEETH	III YEAR	A
11	KEDRI NAVYA	III YEAR	A
12	KUMMARI SRAVANTHI	III YEAR	B
13	ALLAKONDA SRIKANTH GOUD	III YEAR	A
14	ERROLLA YESURATHNAM	III YEAR	A
15	KAMMARIKATHA SREENU	III YEAR	A
16	BARUPATI ARAVIND	III YEAR	A
17	M R SAI TEJ	III YEAR	A
18	NANDIGAMA RAVITEJA	III YEAR	A
19	PODISHETTI VISHAL	III YEAR	A
20	YEGURU MADHUSUDHAN	III YEAR	A

21	NEELI SHIVA VENKATA SAI	III YEAR	A
22	CHILUKA MALLIKARJUN	III YEAR	B
23	TALELMA KISHORE	III YEAR	A
24	KURAKULA HIMABINDU	IV YEAR	A
25	N SURESH	IV YEAR	A
26	KONDAIAH BULLA	IV YEAR	A
27	KONDOJU SHESHANK	IV YEAR	A
28	MUTHYAMGARI SURESH	IV YEAR	A
29	PAMBALA MADHUSUDHAN	IV YEAR	A
30	ADEPU RAJENDHAR	IV YEAR	A
31	BATHULA SANJAY KUMAR	IV YEAR	A
32	DESHAMONI NISHANTH	IV YEAR	A
33	DURSHEETY SAI DINESH	IV YEAR	A
34	GONDLA SAI GOUTHAM	IV YEAR	A
35	GUGLOTH VIDYA	IV YEAR	A
36	KONYALA ARAVIND	IV YEAR	A
37	MANAPURAM SAIPRIYA	IV YEAR	A
38	MOHAMMAD ABDULSIRAJ	IV YEAR	A
39	RATHLAVATH VASUNDHARA	IV YEAR	AB
40	SINGASANI PRATHYUSHA	IV YEAR	AB

C.P. Srinivas
COORDINATOR

Ch. P. Srinivas
HoD



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

PARTCIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

Mr. /Mrs. /Ms. **B.LOHITH SAI (IV YEAR EEE)** has
Participated in a certification course on
" INTERNET OF THINGS AND SMART GRIDS"

Organized by the Department of Electrical and Electronics Engineering From 11/12/2023 TO 23/12/2023.

A handwritten signature in black ink, appearing to read "C.P.Sai".
Coordinator

A handwritten signature in black ink, appearing to read "John".
HoD

A handwritten signature in black ink, appearing to read "Jin".
Principal



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

PARTCIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

Mr. /Mrs. /Ms. **AVULA.MAHESH (IV YEAR EEE)** has
Participated in a certification course on
" INTERNET OF THINGS AND SMART GRIDS"

Organized by the Department of Electrical and Electronics Engineering From 11/12/2023 TO 23/12/2023

C.P. Smith
Coordinator

Jyoti
HoD

Lavanya
Principal

23-24



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Department of Electrical and Electronics Engineering

FEEDBACK FORM OF CERTIFICATE COURSE

Course Title: IoT and Smart Grids

Course Code: 2023EE01

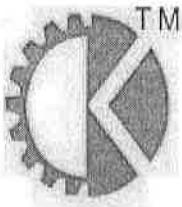
Name of Participant: S. Vineeth

Year/ Sem : III

Courses Duration: Two weeks

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient	✓			
The course gives fair exposure to industry-based topic	✓			
Duration of course was appropriate		✓		
Course met the overall expectations	✓			
Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject		✓		
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty			✓	

Vineeth
Signature of Participant



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Department of Mechanical Engineering

Ref.No: DRKIST/MECH/AOP/2023-24/01

DATE: 10/08/2023

CIRCULAR

Department of Mechanical Organizing "A 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS" for MECHANICAL branch students. Interested students can enroll their name on or before 05/09/2023. Certificate will be issued to the students after successful completion of the course. The details contents of the course and other information is attached herewith.

S. No	Course	Branch	Name of the Course	Venue
1	B TECH	MECHANICAL	A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS	SEMINAR HALL,003

✓
HoD

Copy to

1. Copy To Principal.
2. Copy To Office Room.
3. Head Of MECH Dept.
4. Head Of CSE Dept.
5. Head Of CSE(DS)Dept.
6. Head Of CSE(AI&ML)Dept.
7. Head Of ECE Dept.
8. Head Of EEE Dept.

PP PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Qutibullapur, Hyderabad-500 043.

ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao. He founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D. B. Chandra Shekar Rao, a distinguished and successful entrepreneur, established the institute with an unwavering commitment to providing high-quality education. His vision was to create a leading institution that would contribute to the nation's economic and industrial growth. DRK Institute of Science and Technology is part of the DRK Educational Society, which has made significant investments in infrastructure, academic resources, and career development opportunities for its students. The institute dedicates itself to cultivating a dynamic learning environment that enhances its students' conceptual and technical skills, equipping them for the challenges of the modern world.

ABOUT THE MECH DEPARTMENT

The department of Mechanical Engineering was established in the year 2004. The department has qualified, motivated and experienced faculty. The department well with lab facilities for the students, which includes Basic Engineering Workshop to most modern CNC machine shop. The department organizes conferences and workshops to expose the latest technologies. DRK values the importance of this stream, and honors it by providing the course.

ABOUT THE CERTIFICATE PROGRAM

This is an advanced course in Fluid Mechanics. The subject Fluid Mechanics has a wide scope and is of prime importance in several fields of engineering and science. Present course emphasizes the fundamental underlying fluid mechanical principles and application of those principles to solve real life problems. Special attention is given towards deriving all the governing equations starting from the fundamental principle. There is a well balanced coverage of physical concepts, mathematical operations along with examples and exercise problems of practical importance. After completion of the course, the students will have a strong fundamental understanding of the basic principles of Fluid Mechanics and will be able to apply the basic principles to analyze fluid mechanical systems.

TOPICS COVERED

- Inviscid Flow of Incompressible Fluids
- Basic Laws of fluid Flow
- Viscous Flow
- Boundary Layer Theory
- Introduction to Turbulent Flow
- Internal Flow
- Compressible Fluid Flow – I
- Compressible Fluid Flow – II
- Expansion and Compressible Shocks

A 9 DAY CERTIFICATE PROGRAMME

On

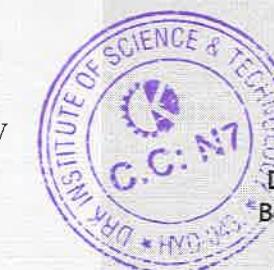
ADVANCED FLUID MECHANICS

SEP 5TH TO SEP 13TH 2023



DRK
Institute of
Science and Technology

Organized by MECH
Department



DRK INSTITUTE OF SCIENCE&TECHNOLOGY
BOWRAMPET (V), VIA AIRFORCE ACADEMY,
HYDERABAD-500043

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Assistant Professor, MECH

BHUMIREDDY RAVINDRAREDDY
Head

ADDRESS FOR COMMUNICATION

Dr PAVAN.B
Coordinator, MECH,
Assistant Professor
9845559306
pavanmech26@gmail.com

REGISTRATION FORM

**A 9 DAY CERTIFICATE
PROGRAMME**

On
FLUID MECHANICS"

Name: Mr. /Ms.: D. Raju

Reg .No: 21N7580313

Department: Mech

Organization: DRKIST

Address: DRKIST

Phone: 8309963478

Email: Raju278@gmail.com

REGISTRATION DETAILS

» **Last Date for
Registration
8th October
2023** «

*"Embrace
automation and
empower yourself
to achieve greater
things."*




Signature of
Participant



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Department of Mechanical Engineering

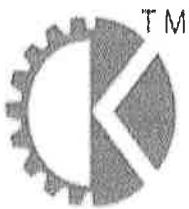
A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

S. No	Content	Lecture Required
1.	Inviscid Flow of Incompressible Fluids	4hrs
2.	Basic Laws of fluid Flow	4hrs
3.	Viscous Flow	4hrs
4.	Boundary Layer Theory	4hrs
5.	Introduction to Turbulent Flow	4hrs
6.	Internal Flow	3hrs
7.	Compressible Fluid Flow – I	3hrs
8.	Compressible Fluid Flow – II	3hrs
9.	Expansion and Compressible Shocks	3hrs

✓
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DRK INSTITUTE OF SCIENCE & TECHNOLOGY
Bowrampet, Quthbullapur,
Hyderabad - 500 043.



TM

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A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

S.No	Contents	Dates
1.	<ul style="list-style-type: none">• INVISCID FLOW OF INCOMPRESSIBLE FLUIDS• LAGRANGIAN AND EULERIAN DESCRIPTIONS OF FLUID MOTION• PATH LINES,• STREAM LINES,• STREAK LINES• TYPES OF FLOWS,• STREAM AND VELOCITY POTENTIAL FUNCTIONS	05/09/2023
2.	<ul style="list-style-type: none">• BASIC LAWS OF FLUID FLOW• CONDITION FOR IRROTATIONALITY• CONDITION FOR CIRCULATION• EULER'S IN 3D- CONTINUITY AND MOMENTUM EQUATIONS• BERNOULLI EQUATIONS IN 3D- CONTINUITY AND MOMENTUM EQUATIONS	06/09/2023
3.	<ul style="list-style-type: none">• VISCOS FLOW• DERIVATION OF NAVIER-STOKE'S EQUATIONS FOR VISCOS COMPRESSIBLE FLOW• PLAIN POISEUILLE FLOW - COUTTE FLOW WITH AND WITHOUT PRESSURE GRADIENT• HAGEN POISEUILLE FLOW• CREEPING MOTION (STOKES)	07/09/2023
4	<ul style="list-style-type: none">• BOUNDARY LAYER THEORY• PRANDTL'S CONTRIBUTION TO REAL FLUID FLOWS• PRANDTL'S BOUNDARY LAYER THEORY• BOUNDARY LAYER THICKNESS FOR FLOW OVER A FLAT PLATE• VON-KARMAN MOMENTUM INTEGRAL EQUATION	08/09/2023
5.	<ul style="list-style-type: none">• INTRODUCTION TO TURBULENT FLOW• FUNDAMENTAL CONCEPT OF TURBULENCE• TIME AVERAGED EQUATIONS.• BOUNDARY LAYER EQUATIONS• PRANDTL MIXING LENGTH MODEL.• UNIVERSAL VELOCITY DISTRIBUTION LAW• KARMAN VORTEX TRAIL	09/09/2023
6.	<ul style="list-style-type: none">• SMOOTH AND ROUGH BOUNDARIES• EQUATIONS FOR VELOCITY DISTRIBUTION• FRICTIONAL RESISTANCE IN SMOOTH ROUGH PIPES.• ROUGHNESS OF COMMERCIAL PIPES GAUSSIAN• MOODY'S DIAGRAM	10/09/2023



7.	<ul style="list-style-type: none"> • COMPRESSIBLE FLUID FLOW – I • THERMODYNAMIC BASICS • EQUATIONS OF CONTINUITY • MOMENTUM AND ENERGY • ACOUSTIC VELOCITY DERIVATION OF EQUATION FOR MACH NUMBER 	11/09/2023
8.	<ul style="list-style-type: none"> • COMPRESSIBLE FLUID FLOW – II • AREA VARIATION, PROPERTY RELATIONSHIPS IN TERMS OF MACH NUMBER • NOZZLES, DIFFUSERS – FANNO AND RELEIGH LINES • ISOTHERMAL FLOW IN LONG DUCTS 	12/09/2023
9.	<ul style="list-style-type: none"> • OBLIQUE SHOCK: EXPANSION AND COMPRESSIBLE SHOCKS 	13/09/2023

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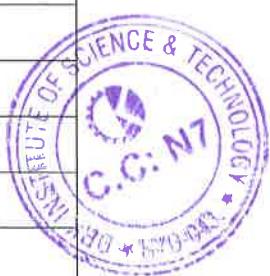
Department of Mechanical

A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

S. No	Name of the student	SIGNATURE
1	MOOLI MAHESH	
2	RAYAVARAPU SATHISH BABU	
3	ADEPU TEJVIKAS	
4	CHORMARE SRIHARI	
5	PANJAGARI KEERTHANA	
6	PULLURI RANJITHKUMAR	
7	VAYYA SRUJAN	
8	AKULA SRINIVAS	
9	BANDI AJAY	
10	BAREDU DEEPAK KUMAR	
11	BOMMA GNANESHWAR	
12	BONDALI SANDEEP KUMAR SINGH	
13	CHALLA PADMAKAR	
14	CHEPURI UDAYKIRAN	
15	CILIVERI MANASA	
16	GADDAMPALLY PRAVEEN KUMAR REDDY	
17	GAJALA JAGADISH KUMAR	
18	GANDIVARI RAKESH GOUD	
19	GANGANNAGARI VIKAS	
20	GOLLA GUDEM RAKESH	
21	JAGAMPETA NARESH	
22	JAGILLAPURAM KARUNAKAR	
23	KALIDINDI JAGADEESH VARMA	
24	KAMMARI SHIVAMBA CHARY	



25	KATUKALA CHIDAMBARA SAI PRAVEEN	Rao.
26	KODAKANLU SANJAY	Sanjay
27	KODIPE RAJESH	Raj
28	KONDAPALKALA VISHNUvardhan	Vishnu
29	KONDAPARTHI MANI TEJA	Manu
30	KUMMARI NAVEEN KUMAR	Navene
31	KURNA CHARAN KUMAR	Charan Kumar K.
32	M RUKMENDHAR	Rukmendhar
33	MADHAVA RAO VALURIUTU	Rao.
34	MANDRA RAMESH	Ramesh
35	MANGALI VENKATA RAMANA	T. Gay
36	MANIKALA SUBHAKAR	Subhakar
37	MANNE ABHIJITH	Abhijith
38	MOHAMMED SHOYEB	Shoyeb
39	MOHAMMED MAQDOOM	Maqdoom
40	MUSTI PANDURANGAM	Pandurangam
41	MUTHIGALLA DEEPAK	Dek
42	NAKSHATRAM MANISHA	Manisha
43	NANGI RAMESH	Ramesh
44	NEYYALA RAJESH	Rajesh
45	NIKHILESHWAR NEERADI	Neeradi
46	ODDI VENKATA KRISHNA	Venkata
47	PICHIKA RAVI KIRAN	Kiran
48	POTHARAVENI MANIDEEP	Manideep
49	PUTLURU GEETHA	Geetha
50	RAVULA CHANDRASEKHAR	Chandrsekar
51	SHAIK MASOOD AHMED	Ahmed
52	SUKKALI AKHILA	Akhila
53	TALARI VINODKUMAR	Vinod
54	THALLAPALLY SHASHI KUMAR	Shashi
55	UPPALA SAI JAYANTH	Jayanth
56	VALUROUTH VAMSI	Vamsi
57	VASADI HRUTHIK	Hruthik



58	VEMULA PRADEEP	Praadeep Car
59	ANGAN SIVA KUMAR REDDY	Akhila Rakesh Dinesh
60	ANKU AKHILA	Akhila
61	BILLA RAKESH	Rakesh
62	GOLLA NARENDER	Narender
63	PEDIRINTI SAI KUMAR	Sai Kumar
64	SAMBHARI BHAVANA	Bhavya
65	AMUDALAPALLY MOUNIKA	Mounika
66	KURSAM AADI	Aadi
67	RADAPAKA RAVI	Ravi
68	VADDI PRASHANTH	Prashanth
69	MOHAMMED AZHARUDDIN	Mohamed Azharuddin
70	RACHAKONDA SAI KUMAR	Sai Kumar
71	SIDDHARTH KUMAR	Kumar
72	THATIKONDA MANIKANTA	Manikanta
73	VOOTLA RAJESH	Rajesh
74	BHANOTH SRIKANTH	B. Srikanth.
75	BAVIREDDYSAIRAM	B. Sairam
76	D MAMATHA	Mamatha
77	CHAKRAHARI SAI RAMANA RAJ	Chakravarthy
78	LEO XAVIER	Xavier
79	LAKAVATH PRAVEEN	Praveen
80	PALLAPU MOHAN	Mohan
81	KRISHNA NARASIMHA RAO	Krishna Narasimha Rao
82	GUNDU ARTHI	Arthi
83	B RAKESH	Rakesh
84	KALLUR NAGESH	Nagesh
85	BUCHI MAHESH	Mahesh
86	S ASHOK VARMA Hriday Kumar Varma	Hriday Kumar Varma
87	KANISETTI SIVA RAMA KRISHNA	Siva Ramachandra
88	MOHAMMED IMROZ	Imroz
89	RAMAGALLAHEMANTH KUMAR	Ramachandra
90	MALOTH PAVAN	Pavan
91	VADALA SADANANDA CHARY	Sadananda Chary



92	MOTTE KISHORE	Kishore
93	KOMIRISHETTIYARAN KUMAR	Kumar
94	KANDE NITHIN	Nithin
95	KAYAPAK PRUDHIVIRAJ	Prudhviraj
96	MADRAMINULU DURGA PRASAD	Durga Prasad
97	MADUPATHI SHIVATEJA	Shivateja
98	BUDUMALA PRASHANTH KUMAR	Prashanth Kumar
99	LOYI SAI SHEKAR	Shekhar
100	MEKALA SREEKANTH	Sreekant
101	MYLE JASMINE GAUTHAMI	Jasmine Gauthami
102	PIPLAPALLY GAJANAND	Gajanand
103	AILA ANJITH KUMAR	Anjith Kumar
104	ASKANI RISHI SAGAR	Rishi Sagar
105	BADAVATH SAGR	Sagar
106	BANOTH SUBHASH	Subhash
107	BASAMAINA MAHESH	Mahesh
108	BODDUPALLY ANIL	Anil
109	BOMMAKANTI ROHITH KUMAR	Rohith Kumar
110	CHIKKUDU RAMAKRISHNA	Ramakrishna
111	CHINTHALAPUDI NIHILA	Nihila
112	DANDU RAGHURAM	Raghuram
113	DASARI RAJU	Raju
114	DONTHI SUNIL KUMAR	Sunil Kumar
115	GADALA GANESH	Ganesh
116	GAJJALA SRI HARI	Sri Hari
117	GAJULA SRIKANTH	Srikant
118	GANGISANI NAVEEN REDDY	Reddy
119	GUGULOTH SRINU	Srinu
120	GUNJI NAGESHWAR RAO	Nageswar Rao
121	J ASHWINI	Ashwini
122	JALAGAM PRAVEEN	Praveen
123	MALOTH MEGHANA	Meghana
124	MANGALI PAVAN	Pavan
125	METHRASKAR PRAMOD	Pramod

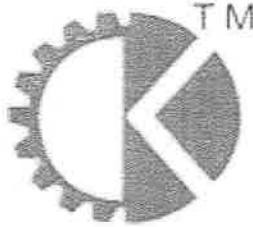


126	N SAIKUMAR	<i>Sai Kumar</i>
127	PADAMGALLA HARIKRISHNA	<i>D. Krishna</i>
128	PRAHALADA ROSHAN CHARY	<i>Roshan</i>
129	PRASHANTH REDDY SIDDA	<i>Prashant</i>
130	VADITHYA RAMU	<i>Vadithya Ramu</i>
131	VANGALAPUDI TEJO VIKAS	<i>Tejo Vikas</i>
132	VANKAYALAPATI SNEHITHA	<i>Snehitha</i>
133	VARADA ESHWAR	<i>Varada Eshwar</i>
134	BANOTH VEERA BHADRAM	<i>Bhadrav</i>
135	VIGNESHAWARAPU GANESH	<i>Ganesh</i>
136	YAMMALA CHIRANJEEVI	<i>Chiranjeevi</i>
137	YETURI PRAKASH	<i>Praakash</i>
138	KERALLI VIVEKANANDA	<i>Vivekananda</i>
139	BEJJIPARAPU MAHESH BABU	<i>Mahesh Babu</i>
140	UREKAR DATHATHRI	<i>Dathathri</i>
141	PARAMESHWAR	<i>Parameswar</i>

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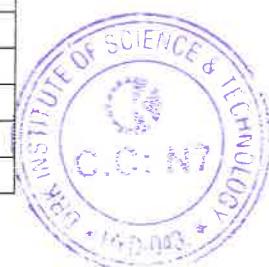
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S. No	NAME OF THE STUDENT	1	2	3	4	5	6	7	8	9
1	MOOLI MAHESH	✓	✓	✓	—	A	✓	✓	A	✓
2	RAYAVARAPU SATHISH BABU	✓	✓	A	✓	—	—	A	✓	—
3	ADEPU TEJVIKAS	—	✓	—	A	✓	—	—	—	A
4	CHORMARE SRIHARI	✓	✓	✓	✓	✓	✓	A	✓	A
5	PANJAGARI KEERTHANA	✓	✓	✓	✓	✓	✓	A	✓	A
6	PULLURI RANJITHKUMAR	✓	A	✓	—	A	✓	✓	✓	✓
7	VAYYA SRUJAN	✓	✓	✓	A	✓	A	✓	✓	✓
8	AKULA SRINIVAS	A	✓	✓	A	✓	—	A	✓	✓
9	BANDI AJAY	—	A	✓	—	A	✓	A	✓	—
10	BAREDU DEEPAK KUMAR	✓	✓	—	A	✓	A	✓	✓	—
11	BOMMA GNANESHWAR	✓	✓	✓	✓	—	A	—	A	✓
12	BONDALI SANDEEP KUMAR SINGH	✓	✓	—	A	✓	✓	A	✓	A
13	CHALLA PADMAKAR	✓	✓	A	✓	✓	A	✓	A	✓
14	CHEPURI UDAYKIRAN	✓	✓	A	✓	A	✓	✓	✓	✓
15	CILIVERI MANASA	✓	✓	✓	✓	A	✓	✓	A	✓
16	GADDAMPALLY PRAVEEN KUMAR REDDY	✓	A	✓	✓	✓	A	✓	A	✓
17	GAJALA JAGADISH KUMAR	✓	✓	A	—	—	A	—	—	—
18	GANDIVARI RAKESH GOUD	—	A	✓	A	✓	—	A	—	—
19	GANGANNAGARI VIKAS	✓	✓	A	✓	—	A	—	—	—



20	GOLLA GUDEM RAKESH	✓	✓	✓	✓	A	✓	✓	✓	A	✓
21	JAGAMPETA NARESH	✓	A	✓	A	X	✓	✓	A	✓	✓
22	JAGILLAPURAM KARUNAKAR	✓	✓	A	✓	X	✓	✓	A	✓	✓
23	KALIDINDI JAGADEESH VARMA	✓	✓	A	✓	✓	A	✓	✓	✓	✓
24	KAMMARI SHIVAMBA CHARY	✓	✓	A	✓	✓	✓	✓	A	✓	✓
25	KATUKALA CHIDAMBARA SAI PRAVEEN	✓	✓	A	✓	✓	A	✓	✓	✓	✓
26	KODAKANLU SANJAY	✓	✓	✓	A	✓	✓	✓	A	✓	✓
27	KODIPE RAJESH	✓	✓	A	✓	✓	✓	✓	A	✓	✓
28	KONDAPALKALA VISHNUvardhan	✓	A	✓	✓	✓	✓	✓	✓	✓	✓
29	KONDAPARTHI MANI TEJA	A	✓	✓	A	✓	✓	✓	✓	✓	✓
30	KUMMARI NAVEEN KUMAR	✓	✓	A	✓	✓	A	✓	✓	✓	✓
31	KURNA CHARAN KUMAR	✓	A	✓	✓	✓	✓	✓	A	✓	✓
32	M RUKMENDHAR	A	✓	✓	✓	✓	A	✓	✓	✓	✓
33	MADHAVA RAO VALURIUTU	✓	A	✓	✓	✓	A	✓	✓	✓	✓
34	MANDRA RAMESH	✓	✓	✓	A	✓	✓	✓	A	✓	✓
35	MANGALI VENKATA RAMANA	✓	✓	A	✓	✓	✓	A	✓	✓	✓
36	MANIKALA SUBHAKAR	✓	✓	A	✓	A	✓	✓	A	✓	✓
37	MANNE ABHIJITH	✓	A	✓	✓	A	✓	✓	✓	✓	✓
38	MOHAMMED SHOYEB	✓	✓	A	✓	✓	✓	A	✓	✓	✓
39	MOHAMMED MAQDOOM	✓	✓	A	✓	✓	A	✓	✓	✓	✓
40	MUSTI PANDURANGAM	✓	✓	✓	A	✓	✓	✓	A	✓	✓
41	MUTHIGALLA DEEPAK	✓	✓	✓	A	✓	✓	A	✓	✓	✓
42	NAKSHATRAM MANISHA	✓	✓	✓	A	✓	✓	✓	A	✓	✓
43	NANGI RAMESH	✓	A	✓	✓	✓	✓	A	✓	✓	✓
44	NEYYALA RAJESH	✓	✓	✓	✓	A	✓	A	✓	✓	✓
45	NIKHILESHWAR NEERADI	✓	A	✓	✓	✓	A	✓	A	✓	✓
46	ODDI VENKATA KRISHNA	✓	✓	A	✓	A	✓	A	✓	✓	✓
47	PICHIIKA RAVI KIRAN	✓	A	✓	A	✓	A	✓	A	✓	✓
48	POTHARAVENI MANIDEEP	✓	✓	A	✓	✓	✓	✓	A	✓	✓
49	PUTLURU GEETHA	✓	✓	A	✓	✓	A	✓	✓	✓	✓
50	RAVULA CHANDRASEKHAR	✓	A	✓	A	✓	✓	✓	C	C	A
51	SHAIK MASOOD AHMED	✓	✓	A	✓	A	✓	A	✓	✓	✓
52	SUKKALI AKHILA	✓	A	✓	✓	✓	A	✓	A	✓	✓
53	TALARI VINODKUMAR	✓	✓	A	✓	A	✓	✓	✓	✓	✓



54	THALLAPALLY SHASHI KUMAR	✓	✓	✓	A	✓	✓	✓	A	✓
55	UPPALA SAI JAYANTH	✓	✓	A	✓	✓	A	✓	✓	✓
56	VALUROUTH VAMSI	✓	✓	✓	✓	A	✓	A	✓	✓
57	VASADI HRUTHIK	✓	A	✓	✓	A	✓	✓	✓	✓
58	VEMULA PRADEEP	✓	✓	A	✓	A	✓	✓	✓	✓
59	SANGAN SIVA KUMAR REDDY	✓	✓	A	✓	✓	✓	✓	✓	✓
60	ANKU AKHILA	✓	✓	A	✓	A	✓	✓	✓	✓
61	BILLA RAKESH	✓	✓	A	✓	✓	A	✓	✓	✓
62	GOLLA NARENDER	✓	A	✓	✓	✓	✓	A	✓	✓
63	PEDIRINTI SAI KUMAR	✓	✓	A	✓	A	✓	✓	✓	✓
64	SAMBHARI BHAVANA	✓	✓	✓	✓	A	✓	A	✓	✓
65	AMUDALAPALLY MOUNIKA	✓	A	✓	✓	✓	A	✓	✓	✓
66	KURSAM AADI	✓	✓	✓	A	✓	✓	A	✓	✓
67	RADAPAKA RAVI	✓	✓	✓	✓	A	✓	A	✓	✓
68	VADDI PRASHANTH	✓	✓	A	✓	✓	✓	A	✓	✓
69	MOHAMMED AZHARUDDIN	✓	✓	✓	A	✓	✓	A	✓	✓
70	RACHAKONDA SAI KUMAR	✓	✓	A	✓	✓	A	✓	✓	✓
71	SIDDHARTH KUMAR	✓	✓	✓	A	✓	✓	✓	A	✓
72	THATIKONDA MANIKANTA	✓	✓	✓	A	✓	✓	A	✓	✓
73	VOOTLA RAJESH	✓	✓	A	✓	✓	✓	A	✓	✓
74	BHANOOTH SRIKANTH	✓	✓	A	✓	✓	✓	✓	A	✓
75	BAVIREDDYSAIRAM	✓	✓	A	✓	✓	✓	✓	✓	✓
76	D MAMATHA	✓	A	✓	✓	✓	✓	✓	✓	A
77	CHAKRAHARI SAI RAMANA RAJ	✓	✓	✓	✓	✓	✓	A	✓	A
78	LEO XAVIER	✓	A	✓	✓	A	✓	✓	✓	A
79	LAKAVATH PRAVEEN	✓	A	✓	✓	✓	✓	✓	✓	A
80	PALLAPU MOHAN	✓	A	✓	✓	✓	✓	A	✓	✓
81	KRISHNA NARASIMHA RAO	✓	A	✓	✓	A	✓	✓	✓	✓
82	GUNDU ARTHI	✓	✓	A	✓	✓	A	✓	✓	✓
83	B RAKESH	✓	A	✓	✓	✓	✓	A	✓	✓
84	KALLUR NAGESH	✓	✓	A	✓	✓	✓	A	✓	✓
85	BUCHI MAHESH	✓	✓	A	✓	✓	✓	✓	✓	A
86	S ASHOK VARMA	✓	✓	A	✓	✓	✓	A	✓	✓
87	KANISETTI SIVA RAMA KRISHNA	✓	A	✓	✓	✓	A	✓	✓	✓



88	MOHAMMED IMROZ	✓	✓	✓	A	✓	✓	✓	A	✓
89	RAMAGALLAHEMANTH KUMAR	✓	A	✓	✓	✓	A	✓	✓	✓
90	MALOTH PAVAN	✓	✓	A	✓	✓	A	✓	✓	✓
91	VADALA SADANANDA CHARY	✓	A	✓	✓	✓	A	✓	✓	✓
92	MOTTE KISHORE	✓	✓	✓	A	✓	X	✓	✓	✓
93	KOMIRISHETTIYVARAN KUMAR	✓	✓	A	✓	✓	A	✓	✓	✓
94	KANDE NITHIN	✓	A	✓	✓	✓	A	✓	✓	✓
95	KAYAPAK PRUDHVISRAJ	✓	✓	A	✓	✓	A	✓	✓	✓
96	MADRMINULU DURGA PRASAD	✓	✓	A	✓	✓	✓	A	✓	✓
97	MADUPATHI SHIVATEJA	A	✓	✓	✓	✓	✓	A	✓	✓
98	BUDUMALA PRASHANTH KUMAR	✓	A	✓	✓	✓	A	✓	✓	✓
99	LOYI SAI SHEKAR	✓	—	A	✓	✓	—	A	—	—
100	MEKALA SREEKANTH	✓	✓	✓	✓	✓	✓	A	✓	A
101	MYLE JASMINE GAUTHAMI	✓	A	✓	✓	A	✓	✓	✓	✓
102	PIPLAPALLY GAJANAND	✓	✓	A	✓	✓	A	✓	✓	✓
103	AILA ANJITH KUMAR	A	✓	✓	A	✓	A	✓	✓	A
104	ASKANI RISHI SAGAR	✓	—	A	—	✓	✓	A	✓	✓
105	BADAVATH SAGAR	✓	—	—	—	A	✓	✓	A	✓
106	BANOTH SUBHASH	A	—	—	—	—	—	A	—	✓
107	BASAMAINA MAHESH	✓	✓	✓	A	✓	✓	A	✓	✓
108	BODDUPALLY ANIL	✓	✓	A	✓	✓	A	✓	✓	✓
109	BOMMAKANTI ROHITH KUMAR	✓	✓	✓	✓	A	✓	✓	A	✓
110	CHIKKUDU RAMAKRISHNA	✓	A	—	—	✓	A	—	—	—
111	CHINTHALAPUDI NIKHILA	A	✓	✓	✓	A	—	—	—	—
112	DANDU RAGHURAM	✓	✓	A	✓	✓	✓	A	✓	✓
113	DASARI RAJU	✓	✓	✓	✓	A	✓	✓	A	✓
114	DONTI SUNIL KUMAR	✓	✓	A	✓	✓	✓	A	✓	✓
115	GADALA GANESH	A	✓	✓	✓	✓	A	✓	✓	✓
116	GAJJALA SRI HARI	✓	A	✓	✓	✓	✓	A	✓	✓
117	GAJULA SRIKANTH	✓	A	✓	✓	✓	✓	A	✓	✓
118	GANGISANI NAVEEN REDDY	✓	✓	A	✓	✓	✓	A	✓	✓
119	GUGULOTH SRINU	✓	A	✓	✓	✓	✓	A	✓	✓
120	GUNJI NAGESHWAR RAO	✓	✓	A	✓	✓	✓	✓	A	✓
121	JASHWINI	✓	✓	✓	✓	A	✓	✓	✓	A

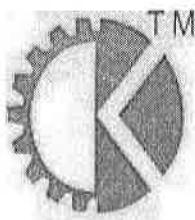


122	JALAGAM PRAVEEN	✓	✓	✓	✓	A	✓	✓	A	✓
123	MALOTH MEGHANA	✓	A	✓	A	✓	✓	A	✓	✓
124	MANGALI PAVAN	✓	✓	A	✓	✓	✓	A	✓	—
125	METHRASKAR PRAMOD	✓	A	—	✓	✓	A	✓	✓	—
126	N SAIKUMAR	✓	✓	A	✓	✓	✓	A	✓	✓
127	PADAMGALLA HARIPRASAD	✓	✓	✓	A	✓	✓	A	A	✓
128	PRAHALADA ROSHAN CHARY	✓	A	✓	✓	✓	✓	A	✓	✓
129	PRASHANTH REDDY SIDDHA	✓	✓	A	✓	✓	A	✓	✓	✓
130	VADITHYA RAMU	✓	✓	A	✓	✓	A	✓	✓	✓
131	VANGALAPUDI TEJO VIKAS	✓	✓	A	✓	✓	✓	A	✓	✓
132	VANKAYALAPATI SNEHITHA	✓	✓	A	✓	✓	✓	✓	✓	A
133	VARADA ESHWAR	✓	✓	✓	A	✓	✓	A	✓	✓
134	BANOTH VEERA BHADRAM	✓	—	A	✓	✓	✓	A	✓	✓
135	VIGNESHAWARAPU GANESH	✓	✓	A	✓	✓	A	✓	✓	✓
136	YAMMALA CHIRANJEEVI	✓	✓	A	A	✓	✓	A	✓	✓
137	YETURI PRAKASH	✓	✓	A	✓	✓	A	✓	✓	✓
138	KERALLI VIVEKANANDA	✓	✓	A	✓	✓	✓	A	✓	✓
139	BEJJIPARAPU MAHESH BABU	✓	✓	✓	A	✓	✓	A	—	—
140	UREKAR DATHATHRI	A	✓	—	✓	✓	A	✓	✓	—
141	PARAMESHWAR	A	A	✓	✓	A	✓	✓	✓	✓

EVENT COORDINATOR

HOD MECHANICAL





DRK INSTITUTE OF SCIENCE & TECHNOLOGY

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

(Approved by AICTE, Affiliated to JNTUH)

Department of Mechanical Engineering

A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

1. TITLE OF COURSE: A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

2. DATE: 10/09/2023

3. NUMBER OF STUDENTS :141

4. VENUE: SEMINAR HALL

5. EVENT COORDINATOR : DR.PAVAN.B

6. SEM /BRANCH : MECHANICAL

7. OBJECTIVE :TO MASTER IN ADVANCED FLUID MECHANICS.

8. LEARNING OUTCOMES:

At the end of the course, the student will be able to:

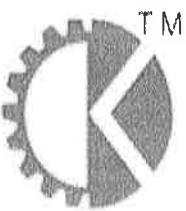
- Understanding the concept of fluid and the models of fluids.
- Understanding the basic physical meaning of general equations.
- Understanding the concept of stream function and potential function.
- Ability to derive the equation for viscous flow, including laminar flow and turbulent flow.
- Ability to address such problems in engineering, and to solve the problems

PHOTO 1



C6✓
HOD

Linn
Principal



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Department of Mechanical

A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

1. What is fluid mechanics?

- a) Study of fluid behaviour at rest
- b) Study of fluid behaviour in motion
- c) Study of fluid behaviour at rest and in motion
- d) Study of fluid behaviour at rest and in motion

(C)

2. Which of the following is the basic principle of fluid mechanics?

- a) Momentum principle
- b) Energy equation
- c) Continuity equation
- d) All of the mentioned

(C)

3. What is fluid mechanics used for?

- a) Fluid mechanics enables to comprehend the behaviour of solid fluids under pressure
- b) Fluid mechanics enables to comprehend the behaviour of fluids under a variety of forces & atmospheric conditions
- c) Fluid mechanics enables to comprehend the behaviour of fluids under various temperatures only
- d) None of the mentioned

(b)

4. If a person studies about a fluid which is at rest, what will you call his domain of study?

- a) Fluid Dynamics
- b) Fluid Mechanics
- c) Fluid Statics
- d) Fluid Kinematics

(C)

5. Which among the following is the standard symbol for Atwood number?

- a) A.
- b) A
- c) a
- d) AR

(b)

6. Which of the following method is used exclusively in fluid mechanics?

- a) Eulerian method
- b) Lagrangian method
- c) Neither Lagrangian nor Eulerian method
- d) Both Lagrangian and Eulerian methods

(a)

7. Which of the following method is most commonly used in fluid mechanics for analysis?

- a) Eulerian Method
- b) Control volume analysis
- c) Langragian method
- d) None of the mentioned

(a)

8. When is a fluid called turbulent?

- a) High viscosity of fluid
- b) Reynolds number is greater than 2000
- c) Reynolds number is less than 2000
- d) The density of the fluid is low

(b)

9. Which among the following is the standard symbol for Blake number?

- a) ba
- b) b
- c) Bi
- d) Bl

(d)



10. Stagnation point is the point in fluid mechanics where the velocity of the fluid at that point is _____ (d)

- a) unity
- b) constant
- c) infinite
- d) zero

11. Which among the following is the standard symbol for Archimedes number? (d)

- a) A_r
- b) A
- c) a
- d) AR

12. Which among the following is referred to as the temperature at a stagnation point in the flow of fluids in fluid mechanics and thermodynamics? (b)

- a) Absolute temperature
- b) Maximum temperature
- c) Stagnation temperature
- d) Hydraulic temperature

13. What is model testing? (b)

- a) Overall testing
- b) Function testing
- c) Partial testing
- d) Performance testing

14. When is the fluid called laminar? (d)

- a) Low viscosity
- b) The density of the fluid is high
- c) Reynolds number is greater than 2000
- d) Reynolds number is less than 2000

15. Which among the following provides the third principle in fluid mechanics? (c)

- a) Conservation of Heat
- b) Conservation of volume
- c) Conservation of linear momentum
- d) Conservation of mass

16. When a fluid is subjected to resistance, it undergoes a volumetric change due to _____ (b)

- a) Cohesion
- b) Strain
- c) Compressibility
- d) Adhesion

17. The compressible flow is assumed to be _____ (b)

- a) Adiabatic only
- b) Isentropic only
- c) Isentropic and adiabatic
- d) Polytropic

18. Principle of fluid mechanics works on the utilization of _____ (d)

- a) Velocity
- b) Accelerating mass
- c) Volume
- d) Work

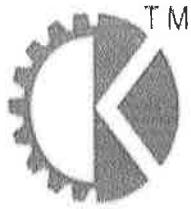
19. Open channel flow takes place _____ (c)

- a) In a pump
- b) Within a cylindrical depth
- c) On a free surface
- d) In the pipe

20. Which of the following is a type of fluid based on viscosity? (c)

- a) Real Fluid
- b) Ideal Fluid
- c) Newtonian Fluid
- d) All of the mentioned





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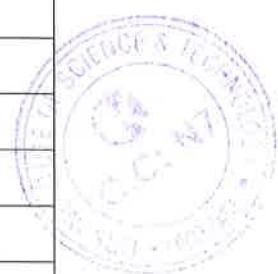
Department of Mechanical Engineering

A CERTIFICATE COURSE ON 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS

S. No	Name of the student	Grade
1	MOOLI MAHESH	A
2	RAYAVARAPU SATHISH BABU	A
3	ADEPU TEJVIKAS	A
4	CHORMARE SRIHARI	A
5	PANJAGARI KEERTHANA	A
6	PULLURI RANJITHKUMAR	A
7	VAYYA SRUJAN	A
8	AKULA SRINIVAS	A
9	BANDI AJAY	A
10	BAREDU DEEPAK KUMAR	A
11	BOMMA GNANESHWAR	A
12	BONDALI SANDEEP KUMAR SINGH	A
13	CHALLA PADMAKAR	A
14	CHEPURI UDAYKIRAN	A
15	CILIVERI MANASA	B
16	GADDAMPALLY PRAVEEN KUMAR REDDY	B
17	GAJALA JAGADISH KUMAR	A
18	GANDIVARI RAKESH GOUD	A
19	GANGANNAGARI VIKAS	A
20	GOLLA GUDEM RAKESH	A
21	JAGAMPETA NARESH	A
22	JAGILLAPURAM KARUNAKAR	A
23	KALIDINDI JAGADEESH VARMA	A
24	KAMMARI SHIVAMBA CHARY	A



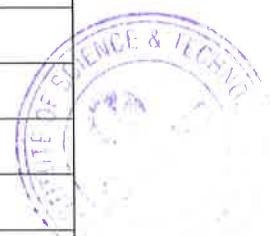
25	KATUKALA CHIDAMBARA SAI PRAVEEN	A
26	KODAKANLU SANJAY	A
27	KODIPE RAJESH	A
28	KONDAPALKALA VISHNUvardhan	A
29	KONDAPARTHI MANI TEJA	A
30	KUMMARI NAVEEN KUMAR	A
31	KURNA CHARAN KUMAR	A
32	M RUKMENDHAR	A
33	MADHAVA RAO VALURIUTU	A
34	MANDRA RAMESH	A
35	MANGALI VENKATA RAMANA	A
36	MANIKALA SUBHAKAR	A
37	MANNE ABHIJITH	A
38	MOHAMMED SHOYEB	A
39	MOHAMMED MAQDOOM	A
40	MUSTI PANDURANGAM	A
41	MUTHIGALLA DEEPAK	A
42	NAKSHATRAM MANISHA	A
43	NANGI RAMESH	A
44	NEYYALA RAJESH	A
45	NIKHILESHWAR NEERADI	A
46	ODDI VENKATA KRISHNA	A
47	PICHika RAVI KIRAN	A
48	POTHARAVENI MANIDEEP	A
49	PUTLURU GEETHA	A
50	RAVULA CHANDRASEKHAR	B
51	SHAIK MASOOD AHMED	B
52	SUKKALI AKHILA	A
53	TALARI VINODKUMAR	A
54	THALLAPALLY SHASHI KUMAR	A
55	UPPALA SAI JAYANTH	A
56	VALUROUTH VAMSI	A
57	VASADI HRUTHIK	A



58	VEMULA PRADEEP	A
59	ANGAN SIVA KUMAR REDDY	A
60	ANKU AKHILA	A
61	BILLA RAKESH	A
62	GOLLA NARENDER	A
63	PEDIRINTI SAI KUMAR	A
64	SAMBHARI BHAVANA	A
65	AMUDALAPALLY MOUNIKA	A
66	KURSAM AADI	B
67	RADAPAKA RAVI	B
68	VADDI PRASHANTH	B
69	MOHAMMED AZHARUDDIN	A
70	RACHAKONDA SAI KUMAR	B
71	SIDDHARTH KUMAR	A
72	THATIKONDA MANIKANTA	A
73	VOOTLA RAJESH	A
74	BHANOTH SRIKANTH	A
75	BAVIREDDYSAIRAM	A
76	D MAMATHA	A
77	CHAKRAHARI SAI RAMANA RAJ	A
78	LEO XAVIER	A
79	LAKAVATH PRAVEEN	A
80	PALLAPU MOHAN	A
81	KRISHNA NARASIMHA RAO	A
82	GUNDU ARTHI	B
83	B RAKESH	A
84	KALLUR NAGESH	A
85	BUCHI MAHESH	A
86	S ASHOK VARMA	A
87	KANISETTI SIVA RAMA KRISHNA	A
88	MOHAMMED IMROZ	A
89	RAMAGALLAHEMANTH KUMAR	A
90	MALOTH PAVAN	A
91	VADALA SADANANDA CHARY	A



92	MOTTE KISHORE	A
93	KOMIRISHETTIYVARAN KUMAR	A
94	KANDE NITHIN	A
95	KAYAPAK PRUDHVIRAJ	A
96	MADRAMINULU DURGA PRASAD	A
97	MADUPATHI SHIVATEJA	A
98	BUDUMALA PRASHANTH KUMAR	A
99	LOYI SAI SHEKAR	A
100	MEKALA SREEKANTH	A
101	MYLE JASMINE GAUTHAMI	A
102	PIPLAPALLY GAJANAND	A
103	AILA ANJITH KUMAR	A
104	ASKANI RISHI SAGAR	A
105	BADAVATH SAGAR	A
106	BANOTH SUBHASH	A
107	BASAMAINA MAHESH	A
108	BODDUPALLY ANIL	A
109	BOMMAKANTI ROHITH KUMAR	A
110	CHIKKUDU RAMAKRISHNA	A
111	CHINTHALAPUDI NIHILA	A
112	DANDU RAGHURAM	A
113	DASARI RAJU	A
114	DONTHI SUNIL KUMAR	A
115	GADALA GANESH	A
116	GAJJALA SRI HARI	A
117	GAJULA SRIKANTH	A
118	GANGISANI NAVEEN REDDY	A
119	GUGULOTH SRINU	A
120	GUNJI NAGESHWAR RAO	A
121	J ASHWINI	A
122	JALAGAM PRAVEEN	A
123	MALOTH MEGHANA	A
124	MANGALI PAVAN	A
125	METHRASKAR PRAMOD	A



126	N SAIKUMAR	A
127	PADAMGALLA HARIPRASAD	A
128	PRAHALADA ROSHAN CHARY	A
129	PRASHANTH REDDY SIDDA	A
130	VADITHYA RAMU	B
131	VANGALAPUDI TEJO VIKAS	A
132	VANKAYALAPATI SNEHITHA	A
133	VARADA ESHWAR	A
134	BANOTH VEERA BHADRAM	A
135	VIGNESHAWARAPU GANESH	A
136	YAMMALA CHIRANJEEVI	A
137	YETURI PRAKASH	A
138	KERALLI VIVEKANANDA	A
139	BEJJIPARAPU MAHESH BABU	A
140	UREKAR DATHATHRI	A
141	PARAMESHWAR	A

EVENT COORDINATOR

HOD MECHANICAL





BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

DEPARTMENT OF MECHANICAL ENGINEERING

PARTCIPATION CERTIFICATE

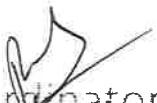
THIS IS TO CERTIFY THAT

Mr. /Mrs. /Ms. PRASHANTH REDDY SIDDA (IV YEAR) has Participated

in a certification course on

" A 9 DAYS CERTIFICATE COURSE ON ADVANCED FLUID MECHANICS"

Organized by the Department of Mechanical Engineering From 05/09/2023 TO 13/09/2023.


Coordinator




HOD


Principal
DRK Institute of Science & Technology
Bowrampet, Qutubullapur,
Hyderabad - 500 043.



Department of Electronics and Communication Engineering

Ref.NO: DRKIST/ECE/AOP/2023-24/05

Date: 30/10/2023

CIRCULAR

Department of ECE organizing “A Two-Week Certification Course on Quantum Computing and Communication” for ECE III & IV Year students. Interested students can enroll their names to Mr. MULAYAM YADAV (Program Coordinator) on or before 6/11/2023. Certificates will be issued to the students after successful completion of the course. The detail contents of the course and other information is attached herewith.

S. No	Name of the Course	Date of Commencement	Venue
1.	A Two-Week Certification Course on Quantum Computing and Communication	20/11/2023	Seminar Hall, Room No:003

Copy to

1. Office Room.
2. Exam Cell.
3. Library.
4. Head of CSE Dept.
5. Head of CSE(AI&ML) Dept.
6. Head of CSE(DS) Dept.
7. Head of EEE Dept.
8. Head of Mech Dept.
9. Head of S&H Dept.
10. Head of MBA Dept.



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DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 043.

ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao, who founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D.B. Chandra Sekhar Rao, a distinguished entrepreneur, established the institute with a commitment to high-quality education, aiming to contribute to the nation's economic and industrial growth. As part of the DRK Educational Society, the institute has invested significantly in infrastructure, academic resources, and career development, fostering a dynamic learning environment that enhances students' conceptual and technical skills for modern challenges.

ABOUT THE ECE DEPARTMENT

The department of Electronics and Communication Engineering was established in 2006. The students are offered with innovative workshops, guest lectures informative industrial visits etc. on a regular basis, to keep them updated with the latest trends in Electronics and Communication Engineering. Well- equipped labs and sound academic record faculty are provided to make the students feel the greatness of Electronics and communication Engineering. DRK values the importance of this stream, and honors it by providing the course.

ABOUT THE CERTIFICATION COURSE

Quantum Computing and Communication course, participants will learn the principles of quantum mechanics applied to computing, including qubits and quantum gates. They will gain insights into quantum algorithms and their potential advantages over classical computing.

TOPICS TO BE COVERED

- Basics of Quantum Mechanics
- Qubits and Quantum Gates
- Quantum Circuits
- Quantum Algorithms: Introduction
- Quantum Algorithms: Grover's Algorithm
- Quantum Algorithms: Shor's Algorithm
- Quantum Cryptography: Introduction
- Quantum Key Distribution (QKD)
- Quantum Networks
- Quantum Teleportation
- Quantum Computing Hardware
- Final Project and Review

A TWO WEEK CERTIFICATION COURSE ON QUANTUM COMPUTING AND COMMUNICATION

20TH November 2023 TO
4TH December 2023

Organized
by
ECE Department



BOWRAMPET (V), VIA AIRFORCE ACADEMY,
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Affiliated to JNTUH)



(Bowrampet (v), Near Pragathi Nagar, on Miyapur-Medchal Highway, Quthbullapur, Medchal, Hyd-500043)

Department of Electronics and Communication Engineering

Course Title: A Two-Week Certification Course on Quantum Computing and Communication

Weekly Schedule

S. No		Topics to be covered
1	Week 1: Introduction to Quantum Computing	Day 1: Basics of Quantum Mechanics
2		Day 2: Qubits and Quantum Gates
3		Day 3: Quantum Circuits
4		Day 4: Quantum Algorithms: Introduction
5		Day 5: Quantum Algorithms: Grover's Algorithm
6		Day 6: Quantum Algorithms: Shor's Algorithm
7		Day 7: Quantum Cryptography: Introduction
8		Day 8: Quantum Key Distribution (QKD)
9		Day 9: Quantum Networks
10		Day 10: Quantum Teleportation
11		Day 11: Quantum Computing Hardware
12		Day 12: Final Project and Review

Program Coordinator

M. Sravanti
HoD ECE

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DRK Institute of Science & Technology
Bowrampet, Quthbullapur,
Hyderabad - 500 043.



(Bowrampet (v), Near Pragathi Nagar, on Miyapur-Medchal Highway, Quthbullapur, Medchal, Hyd-500043)

Department of Electronics and Communication Engineering

Course Name: A Two-Week Certification Course on Quantum Computing and Communication

Course Syllabus

S.No	Content	Dates
1	Day 1: Basics of Quantum Mechanics <ul style="list-style-type: none">Introduction to quantum mechanicsKey concepts: superposition, entanglementMathematical foundations: complex numbers, linear algebra	20/11/2023
2	Day 2: Qubits and Quantum Gates <ul style="list-style-type: none">Qubits: quantum bits vs classical bitsQuantum states and Bloch sphereQuantum gates: Pauli gates, Hadamard gate, CNOT gate	21/11/2023
3	Day 3: Quantum Circuits <ul style="list-style-type: none">Quantum circuit modelBuilding and visualizing quantum circuitsSimple quantum circuit examples	22/11/2023
4	Day 4: Quantum Algorithms: Introduction <ul style="list-style-type: none">Overview of quantum algorithmsDifferences between classical and quantum algorithmsKey principles of quantum algorithm design	23/11/2023
5	Day 5: Quantum Algorithms: Grover's Algorithm <ul style="list-style-type: none">Problem statement: unstructured searchGrover's algorithm: concept and stepsImplementing Grover's algorithm	24/11/2023
6	Day 6: Quantum Algorithms: Shor's Algorithm <ul style="list-style-type: none">Problem statement: factoring large integersShor's algorithm: concept and stepsImplementing Shor's algorithm	25/11/2023
7	Day 7: Quantum Cryptography: Introduction <ul style="list-style-type: none">Basics of quantum cryptographySecurity principles in quantum cryptographyComparison with classical cryptography	28/11/2023
8	Day 8: Quantum Key Distribution (QKD) <ul style="list-style-type: none">Introduction to QKDBB84 protocol: concept and implementationSecurity analysis of QKD	29/11/2023
9	Day 9: Quantum Networks <ul style="list-style-type: none">Basics of quantum networksQuantum repeaters and entanglement swappingQuantum internet: vision and challenges	30/11/2023



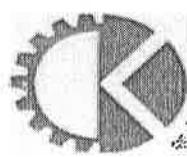
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10	Day 10: Quantum Teleportation <ul style="list-style-type: none">• Concept of quantum teleportation• Steps involved in quantum teleportation• Practical applications of quantum teleportation	01/12/2023
11	Day 11: Quantum Computing Hardware <ul style="list-style-type: none">• Overview of quantum computing hardware• Types of quantum computers: superconducting qubits, trapped ions• Current state and future directions in quantum hardware	02/12/2023
12	Day 12: Final Project and Review <ul style="list-style-type: none">• Defining and planning a final project• Project implementation and guidance• Presentation of projects and course review	04/12/2023

Program Coordinator

HoD ECE



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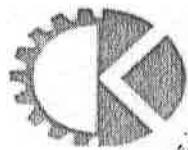
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Medchal, Hyd-500043)

Department of Electronics and Communication Engineering

Certificate Course on “A Two-Week Certification Course on Quantum Computing and Communication”

Signature Sheet

S.No	Name of the Student	Year	Signature
1	ACHANTA MADHAVI	IV year	<i>Madhavi</i>
2	ADAPA SAI SWETHA	IV year	<i>Sai swetha</i>
3	AVULA MAHESH	IV year	<i>Mahesh</i>
4	BATCHUS NAGA RAJU	IV year	<i>Naga Raju</i>
5	BERAM LOHITH SAI	IV year	<i>Lohith sai</i>
6	BOMMIREDDY VAMSHI	IV year	<i>Vamshi</i>
7	CHILPURI AJAY REDDY	IV year	<i>Ajay Reddy</i>
8	CHINTAPALLI RAKESH	IV year	<i>Rakesh</i>
9	DEVADHI MANIDEEP KUMAR	IV year	<i>D. Manideep</i>
10	DODLE JOHN PAUL	IV year	<i>John Paul</i>
11	GUMMADI SAIRAM	IV year	<i>Sairam</i>
12	JINNUKUTI JOHN HIDE	IV year	<i>J.</i>
13	KOLLINORU NAVEEN	IV year	<i>Navneen</i>
14	KUKALOLU MAHENDER	IV year	<i>Mahender</i>
15	KUMMARI KRANTHI KUMAR	IV year	<i>Kranti</i>
16	PULIDINDI CHAITHANYA	IV year	<i>Chaitanya</i>
17	PUTTI SAI SRINIVAS	IV year	<i>P. Sai Srinivas</i>
18	TEEGELA LAKSHMI VINUTHNA	IV year	<i>Lakshmi</i>
19	ABHISHEK VERMA	IV year	<i>Abhishek Verma</i>
20	AMBOJIPETA SRISHAILAM	IV year	<i>Sri Sainam</i>
21	ANAPARTHI BHAVYA SRI	IV year	<i>Bhavya Sri</i>
22	BAIRU RAJENDAR	IV year	<i>Raj</i>
23	CH DURGA PRASAD	IV year	<i>Durga Prasad</i>
24	CHATLA PRAVALIKA	IV year	<i>Pravalika</i>
25	CHINTA V D N S S MEENA DHANALAXMI	IV year	<i>Dhanalaxmi</i>
26	DANDE BHAVANA	IV year	<i>Bhavana</i>
27	DARAVENI SHEKHAR	IV year	<i>Shekar</i>
28	ERAPAGOLU PRATHUSHA	IV year	<i>Prathusha</i>
29	JAKKAPALLY PAVAN GOUD	IV year	<i>Pavan</i>
30	KANIKARAM VINAY KUMAR	IV year	<i>K. Vinay Kumar</i>
31	KONDRU RAMU	III year	<i>Ramu</i>
32	YERROLLA KRISHNA MURTHY	III year	<i>Krishna Murthy</i>
33	KATUKU SAIKRISHNA	III year	<i>Saikrishna</i>
34	JATAMONI VENKATESH	III year	<i>J. Venkatesh</i>
35	RATHOD RAJU	III year	<i>Raju</i>
36	SETLEM MANOJ HARSHA	III year	<i>Manoj</i>
37	JAKKIREDDY MADHUSUDHAN REDDY	III year	<i>Madhusudhan</i>
38	SURAJ RANA	III year	<i>Suraj Rana</i>
39	JEEDI RAM GOPAL VARMA	III year	<i>Gopal Varma</i>



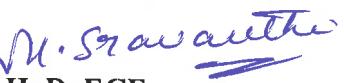
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Medchal, Hyd-500043)

Department of Electronics and Communication Engineering

40	CHINCHOLI PRASHANTH KUMAR	III year	Prashanth
41	DANDUGA RUSHITHA REDDY	III year	Rushitha Reddy
42	MANGALI MAHESH	III year	Mahesh
43	MADIGELA VENKAT SAI	III year	Venkata Sai
44	GIRMIGARI DANIEL	III year	Daniel
45	CH POOJA	III year	Ch Pooja
46	A AKHILA	III year	Akhila
47	PREETHI KUMARI	III year	Kumari
48	CHANDUPATLA SAI PRAGATHI	III year	Pragathi
49	VADDERA RUTH	III year	Vaddera Ruth
50	SHIVAM MISHRA	III year	Mishra


Program Coordinator


HoD ECE



Department of Electronics and Communication Engineering

ATTENDANCE SHEET

“A Two Weeks Certification Course on Quantum Computing and Communication”

Department of Electronics and Communication Engineering

29	JAKKAPALLY PAVAN GOUD	IV year	P	P	P	P	A	P	P	P	P	P	P	P	P	P
30	KANI KARAM VINAY KUMAR	IV year	P	P	A	P	P	P	P	P	P	P	P	P	P	P
31	KONDUR RAMU	III year	P	P	P	P	P	P	P	P	P	A	P	P	P	P
32	YERROLLA KRISHNA MURTHY	III year	P	P	P	P	P	P	P	A	P	P	P	P	P	P
33	KATUKU SAIKRISHNA	III year	P	A	P	A	P	A	P	P	P	P	P	P	P	P
34	JATAMONI VENKATESH	III year	P	P	P	P	P	P	P	P	A	P	P	P	P	P
35	RATHOD RAJU	III year	P	P	P	P	A	P	P	P	P	P	P	P	P	P
36	SETLEM MANOJ HARSHA	III year	P	P	P	P	P	P	P	P	P	A	P	P	P	P
37	JAKKIREDDY MADHUSUDHAN REDDY	III year	P	P	P	P	A	P	P	P	P	P	P	P	P	P
38	SURAJ RANA	III year	P	A	P	P	P	P	P	P	P	P	P	P	P	P
39	JEEDI RAM GOPAL VARMA	III year	P	P	P	P	P	P	P	P	P	P	A	P	P	P
40	CHINCHOLI PRASHANTH KUMAR	III year	P	P	P	A	P	P	P	P	P	P	P	P	P	P
41	DANDUGA RUSHITHA REDDY	III year	P	P	P	P	P	P	A	P	P	P	P	P	P	P
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44	GIRMIGARI DANIEL	III year	P	P	P	P	P	P	P	P	P	A	P	P	P	P
45	CH POOJA	III year	P	P	A	P	P	P	P	P	P	P	P	P	P	P
46	A AKHILA	III year	P	P	P	P	P	P	P	P	P	P	A	P	P	P
47	PREETHI KUMARI	III year	P	P	P	P	P	P	P	P	P	P	P	A	P	P
48	CHANDUPATLA SAI PRAGATHI	III year	P	P	P	P	P	P	P	P	P	P	A	P	P	P
49	VADDERA RUTH	III year	P	P	P	A	P	P	P	P	P	P	P	P	P	P
50	SHIVAM MISHRA	III year	P	P	P	P	P	P	P	P	A	P	P	P	P	P



Program Coordinator



M. Srinavasa

HoD ECE



Department of Electronics and Communication Engineering

Report on “A Two-Week Certification Course on Quantum Computing and Communication”

1. Title of course	: A Two-Week Certification Course on Quantum Computing and Communication.
2. Course Code	: 2023ECE01
3. Course Date	: 20/11/2023
4. Venue	: SEMINAR HALL
5. Name of Program Coordinator	: Mr. MULAYAM YADAV
6. Number of Students	: 50

DRK Institute of Science and Technology organized “A Two-Week Certification Course on Quantum Computing and Communication” for BTech III- year and IV-year students.

Quantum Computing and Communication course, participants will learn the principles of quantum mechanics applied to computing, including qubits and quantum gates. They will gain insights into quantum algorithms and their potential advantages over classical computing. The course covers quantum communication protocols, such as quantum key distribution, and explores their implications for secure data transmission.

7. Objective

- Fundamental course on Quantum computing principle and their applications in communication systems.
- Understand Quantum Principles:
- Develop Quantum Algorithms
- Explore Quantum Communication
- Implement Quantum Systems
- Address Quantum Challenges

8. Outcome

- Coverage of the key topics in quantum computing and communication over two weeks balancing theoretical knowledge with practical hands-on experience
- Understand Quantum Principles:
- Quantum Algorithms
- Quantum Communication Protocols



Department of Electronics and Communication Engineering



The course is very useful to the students and their feedback is positive. The management and Principal of DRK Institute of Science and Technology thanked the participants for making the program successful.


Program Coordinator


M. S. Ravanthi
HoD ECE


PRINCIPAL
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DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 043.

Department of Electronics and Communication Engineering

(18)
20

A Two-Weeks Certification Course on Quantum Computing and Communication

Name of the Student: A · Sarvesh · Year: 20

Max Marks: 20M

Test Paper

1. What is the principle of superposition in quantum mechanics? (A)

- A) A particle can be in only one state at a time
- B) A particle can be in multiple states simultaneously
- C) Particles always have definite positions
- D) A particle's state is always known

2. What does quantum entanglement refer to? (B)

- A) Particles existing in multiple locations
- B) Instantaneous correlation between distant particles
- C) Particles moving faster than light
- D) The collapse of a quantum wave function

3. Which of the following is a fundamental mathematical tool used in quantum mechanics? (B)

- A) Differential equations
- B) Complex numbers
- C) Real numbers
- D) Boolean algebra

4. How does a qubit differ from a classical bit? (B)

- A) A qubit can be only 0 or 1
- B) A qubit can be in a state of 0, 1, or both
- C) A qubit has no physical representation
- D) A qubit operates on analog signals

5. Which of the following gates creates a superposition state from a standard basis state? (B)

- A) CNOT gate
- B) Hadamard gate
- C) Pauli-X gate
- D) Toffoli gate

6. What does the Bloch sphere represent in quantum computing? (C)

- A) Possible states of a classical bit
- B) The quantum circuit
- C) The representation of a qubit's state
- D) The error rates in quantum gates

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7. What is the purpose of quantum gates in a quantum circuit?

- A) Store information
- B) Measure qubits
- C) Transform quantum states
- D) Execute classical algorithms

(C)

8. What is the primary visual tool used to represent quantum circuits?

- A) Truth tables
- B) Circuit diagrams
- C) Flowcharts
- D) Bar graphs

(B)

9. Which of the following is a key advantage of quantum algorithms over classical algorithms?

- A) Require more memory
- B) Can solve certain problems faster
- C) Use real numbers instead of complex numbers
- D) Have simpler logic gates

(B)

10. Which of the following principles is important for designing quantum algorithms?

- A) Quantum decoherence
- B) Quantum entanglement
- C) Randomness in classical computation
- D) Classical parallelism

(A)

11. Grover's algorithm provides a quadratic speedup for which type of problem? (B)

- A) Sorting
- B) Unstructured search
- C) Multiplication
- D) Graph traversal

(B)

12. What is the main function of Grover's algorithm?

- A) Encrypt data
- B) Factor integers
- C) Search an unsorted database
- D) Solve linear equations

(C)

13. What is Shor's algorithm primarily used for?

- A) Sorting numbers
- B) Simulating physical systems
- C) Factoring large integers
- D) Solving linear programming problems

(C)

Department of Electronics and Communication Engineering

14. Shor's algorithm has significant implications for which field? (C)

- A) Artificial intelligence
- B) Classical computing
- C) Cryptography
- D) Data compression

15. What makes quantum cryptography unique compared to classical cryptography? (B)

- A) Faster processing speeds
- B) The use of quantum entanglement for security
- C) Simplicity of algorithms
- D) Larger key sizes

16. A primary goal of quantum cryptography is to: (B)

- A) Enhance data transmission rates
- B) Provide unbreakable encryption
- C) Use less computational power
- D) Simplify encryption algorithms

17. Which protocol is a well-known method for quantum key distribution? (C)

- A) RSA
- B) AES
- C) BB84
- D) DES

18. Quantum key distribution ensures security through: (B)

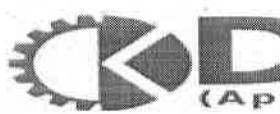
- A) Large encryption keys
- B) Quantum entanglement and superposition
- C) High-speed processors.
- D) Classical algorithms

19. What is the purpose of quantum repeaters in quantum networks? (B)

- A) Amplify classical signals
- B) Maintain entanglement over long distances
- C) Increase computation speed
- D) Store quantum information

20. The ultimate goal of a quantum internet is to: (C)

- A) Replace classical internet
- B) Increase download speeds
- C) Enable secure global communication using quantum principles
- D) Distribute computing resources more efficiently



Department of Electronics and Communication Engineering

A Two-Weeks Certification Course on Quantum Computing and Communication

Name of the Student: C. Kalush

Year: IV

Max Marks: 20M

Test Paper

1. What is the principle of superposition in quantum mechanics? (B)

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Department of Electronics and Communication Engineering

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Department of Electronics and Communication Engineering

Course Title: A Two-Week Certification Course on Quantum Computing and Communication

Grade Sheet

S.No	Name of the Student	Year	Grade
1	ACHANTA MADHAVI	IV year	A+
2	ADAPA SAI SWETHA	IV year	A
3	AVULA MAHESH	IV year	A
4	BATCHUS NAGA RAJU	IV year	B
5	BERAM LOHITH SAI	IV year	A+
6	BOMMIREDDY VAMSHI	IV year	A
7	CHILPURI AJAY REDDY	IV year	B
8	CHINTAPALLI RAKESH	IV year	B+
9	DEVADHI MANIDEEP KUMAR	IV year	A
10	DODLE JOHN PAUL	IV year	A
11	GUMMADI SAIRAM	IV year	A+
12	JINNUKUTI JOHN HIDE	IV year	A
13	KOLLINORU NAVEEN	IV year	B
14	KUKALOLU MAHENDER	IV year	B+
15	KUMMARI KRANTHI KUMAR	IV year	B
16	PULIDINDI CHAITHANYA	IV year	C
17	PUTTI SAI SRINIVAS	IV year	C+
18	TEEGELA LAKSHMI VINUTHNA	IV year	AB
19	ABHISHEK VERMA	IV year	C
20	AMBOJIPETA SRISHAILAM	IV year	B
21	ANAPARTHI BHAVYA SRI	IV year	B+
22	BAIRU RAJENDAR	IV year	C
23	CH DURGA PRASAD	IV year	B
24	CHATLA PRAVALIKA	IV year	A
25	CHINTA V D N S S MEENA DHANALAXMI	IV year	A+
26	DANDE BHAVANA	IV year	A+
27	DARAVENI SHEKHAR	IV year	A
28	ERAPAGOLU PRATHUSHA	IV year	AB
29	JAKKAPALLY PAVAN GOUD	IV year	A
30	KANIKARAM VINAY KUMAR	IV year	B
31	KONDRU RAMU	III year	A+
32	YERROLLA KRISHNA MURTHY	III year	A
33	KATUKU SAIKRISHNA	III year	A
34	JATAMONI VENKATESH	III year	B
35	RATHOD RAJU	III year	A+
36	SETLEM MANOJ HARSHA	III year	A
37	JAKKIREDDY MADHUSUDHAN REDDY	III year	A+
38	SURAJ RANA	III year	A
39	JEEDI RAM GOPAL VARMA	III year	B
40	CHINCHOLI PRASHANTH KUMAR	III year	A



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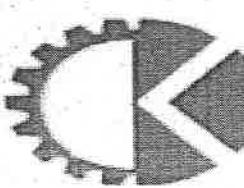
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41	DANDUGA RUSHITHA REDDY	III year	A+
42	MANGALI MAHESH	III year	A
43	MADIGELA VENKAT SAI	III year	B
44	GIRMIGARI DANIEL	III year	C
45	CH POOJA	III year	A
46	A AKHILA	III year	A
47	PREETHI KUMARI	III year	A
48	CHANDUPATLA SAI PRAGATHI	III year	AB
49	VADDERA RUTH	III year	B
50	SHIVAM MISHRA	III year	A

Program Coordinator

HoD ECE



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PARTICIPATION CERTIFICATE

✓ THIS IS TO CERTIFY THAT
Mr/Ms/Mrs Kukalolu . Va hender

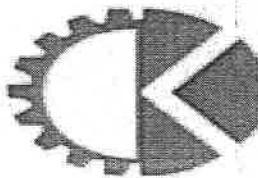
HAS PARTICIPATED IN A TWO WEEK CERTIFICATE COURSE ON
“QUANTUM COMPUTING AND COMMUNICATION”

ORGANISED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FROM 20/11/2023 TO 04/12/2023

PROGRAM
COORDINATOR

M.Srinivasulu
HOD

Dr.
PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 043,



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Medchal, Hyd-500043)

PARTICIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

Mr/Ms/Mrs Dande · Bhavana

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE COURSE ON

“QUANTUM COMPUTING AND COMMUNICATION”

ORGANISED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

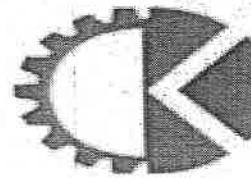
FROM 20/11/2023 TO 04/12/2023



PROGRAM
COORDINATOR

M. Sreeramulu
HOD

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PRINCIPAL
DRK Institute of Science & Technology
Medchal, Hyderabad - 500 043



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Medchal, Hyd-500043)

PARTICIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

Mr/Ms/Mrs Achanta Madhavi

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE COURSE ON
“QUANTUM COMPUTING AND COMMUNICATION”

ORGANISED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

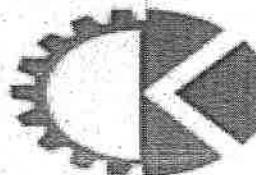
FROM 20/11/2023 TO 04/12/2023

PROGRAM
COORDINATOR

M. Sravanti
HOD

PRINCIPAL
PRINCIPAL

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Bowrampet, Quthbullapur, Hyderabad - 500 013.



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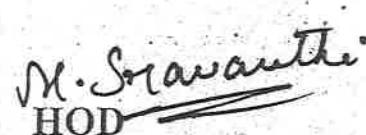
PARTICIPATION CERTIFICATE

✓ THIS IS TO CERTIFY THAT
Mr/Ms/Mrs Rathod Raju

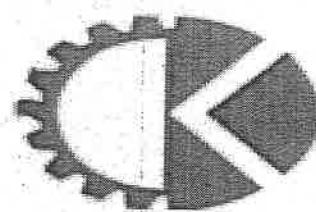
HAS PARTICIPATED IN A TWO WEEK CERTIFICATE COURSE ON
“QUANTUM COMPUTING AND COMMUNICATION”

ORGANISED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING
FROM 20/11/2023 TO 04/12/2023


PROGRAM
COORDINATOR


M. Sravanti
HOD


PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 044.



**DRK Institute of
Science and Technology**
(Approved by AICTE & Affiliated to JNTUH)

(Bowrampet (v), Near Pragathinagar, on Miyapur-Medchal Highway, Quthbullapur,
Medchal, Hyd-500043)

PARTICIPATION CERTIFICATE

THIS IS TO CERTIFY THAT

Mr/Ms/Mrs Doddle John Paul

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE COURSE ON

“QUANTUM COMPUTING AND COMMUNICATION”

ANISED BY DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEER

FROM 20/11/2023 TO 04/12/2023



**PROGRAM
COORDINATOR**

M. Sravanti
HOD

lir

PRINCIPAL
DRK Institute of Science and Technology
Bowrampet, Quthbullapur, Hyderabad-500



Department of Electronics and Communication Engineering

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Quantum Computing and Communication

Course Code: 2023ECE01

Name of the Participant: A.mahesh

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate	✓			
Course met the overall expectations		✓		

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		

A.mahesh
Signature of the Participant



Department of Electronics and Communication Engineering

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Quantum Computing and Communication

Course Code: 2023ECE01

Name of the Participant: Shivam Mishra

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate	✓			
Course met the overall expectations		✓		

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		

Shivam
Signature of the Participant



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Mobile:+91-9000711899,+91-8790711899,FAX:08418-242522,Website:
www.drkist.edu.in

Department of Computer Science and Engineering

Ref.NO:DRKIST/CSE/AOP/2023-24/01

DATE:09/10/2023

CIRCULAR

Department of CSE organizing A TWO WEEKS Certification Course on “**Artificial Intelligence with Robotics**” for CSE Year students. Interested students can enroll their name to **Mr. K.PRAVEEN** (Program coordinator) on or before **27/10/2023**. Certificate will be issued to the students after successful completion of the course. The details contents of the course and other information is attached herewith.

S.No	Name of The Course	Date of Commencement	Venue
1.	ATWO WEEKSCertificationCourse on “Artificial Intelligence with Robotics”	30/10/2023	Seminar Hall(003)

Copy to

1. Officer room
2. Exam Cell
3. Library
4. Head of CSE Dept.
5. Head of CSE(DATASCIENCE)Dept.
6. Head of CSE(AI&ML)Dept
7. Head of ECE Dept.
8. Head of Mechanical Dept.
9. Head of EEE Dept.
10. Head of S&H Dept.
11. Head of MBA Dept.



his
Principal
PRINCIPAL

DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 043

ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao, who founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D.B. Chandra Sekhar Rao, a distinguished entrepreneur, established the institute with a commitment to high-quality education, aiming to contribute to the nation's economic and industrial growth. As part of the DRK Educational Society, the institute has invested significantly in infrastructure, academic resources, and career development, fostering a dynamic learning environment that enhances students' conceptual and technical skills for modern challenges.

ABOUT THE CSE DEPARTMENT

The Department of Computer Science and Engineering at DRK Institute of Science and Technology was established in 2004 and offers undergraduate programs to students from both urban and rural areas across India. It boasts well-equipped computing laboratories and a comprehensive range of software and hardware applications. Emphasizing fundamental learning and the latest technologies, the department fosters creativity by encouraging students to engage in projects of varying complexity. DRK values this field highly and supports it by offering a dedicated course.

ABOUT THE CERTIFICATE PROGRAM

A certification program on Artificial Intelligence (AI) and Robotics are two rapidly advancing fields that are increasingly converging to create innovative technologies. A two-week certification program on "Artificial Intelligence with Robotics" would likely cover several key topics at the intersection of these areas.

TOPICS TO BE COVERED

- Introduction to AI and Robotics
- Sensors and Actuators
- Computer Vision and Perception
- Machine Learning Fundamentals
- Deep Learning for Robotics
- Autonomous Navigation
- Human-Robot Interaction
- Robotic Process Automation
- Industrial Robotics
- Advanced Topics and Future Trends

A TWO- WEEK CERTIFICATION
COURSE
ON

ARTIFICIAL INTELLIGENCE
AND ROBOTICS

FROM
30th OCTOBER 2023
TO
11th NOVEMBER 2023

Organized by CSE
Department



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HYDERABAD-500043
Mobile: +91-9000711899, +91-8790711899,
Website: www.drkist.edu.in (Approved by AICTE,
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Chief Patron

Sri.D.B Chandra Shekara Rao
Chairman

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Sri D. Santosh

Secretary

Sri D. Sriram
Treasurer

Dr. K.V. Subbaiah
Principal

Coordinator

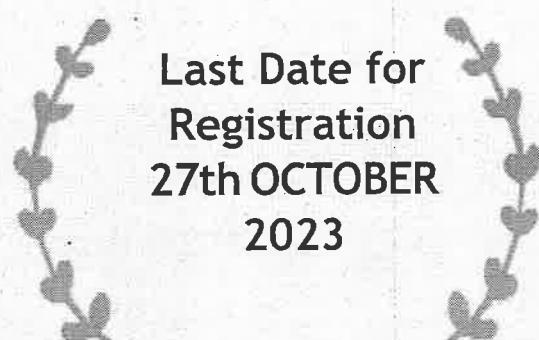
Name: Mr. K. PRAVEEN
Associate Professor, CSE

Dr. KANAKA VARDHINI
HOD CSE

ADDRESS FOR COMMUNICATION

Name: Mr. K. PRAVEEN
Coordinator, CSE, Associate
Professor 9849653498
praveen_k@yahoo.com

REGISTRATION DETAILS



*"Embrace automation
and empower yourself
to achieve greater
things."*

REGISTRATION FORM

A TWO-WEEK CERTIFICATION
COURSE
On
ARTIFICIAL INTELLIGENCE
AND ROBOTICS

Name: Mr. /Ms.: _____

Reg. No: _____

Department: _____

Organization: _____

Address: _____

Phone: _____

Email: _____

Signature of Participant



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Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

Department of Computer Science and Engineering

Course Title:- A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

S.No	Content
1	<p>Day 1: Introduction to AI and Robotics</p> <ul style="list-style-type: none">• Introduction• Overview of AI and Robotics: History and Evolution• Key Concepts and Terminologies in AI and Robotics• Introduction to Robot Operating System (ROS)• Setting Up the Development Environment• Basic ROS Commands and Tools
2	<p>Day 2: Sensors and Actuators</p> <ul style="list-style-type: none">• Types of Sensors and Their Applications• Introduction to Actuators and Motors• Hands-on: Interfacing Sensors with Microcontrollers• Hands-on: Controlling Actuators using Microcontrollers
3	<p>Day 3: Computer Vision and Perception</p> <ul style="list-style-type: none">• Basics of Computer Vision• Image Processing Techniques <p>Hands-on: Implementing Basic Computer Vision Algorithms</p> <ul style="list-style-type: none">• Object Detection and Tracking
4	<p>Day 4: Machine Learning Fundamentals (2.5 hours)</p> <ul style="list-style-type: none">• Introduction to Machine Learning• Supervised and Unsupervised Learning• Hands-on: Building Simple Machine Learning Models• Training and Evaluating Models
5	<p>Day 5: Deep Learning for Robotics</p> <ul style="list-style-type: none">• Introduction to Deep Learning• Neural Networks and Their Architectures• Hands-on: Implementing a Convolutional Neural Network (CNN)• Applications of Deep Learning in Robotics



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Department of Computer Science and Engineering

Course Title:- A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

S.No	Content
6	Day 6: Autonomous Navigation <ul style="list-style-type: none">• Path Planning Algorithms• SLAM (Simultaneous Localization and Mapping)• Hands-on: Implementing Path Planning Algorithms
7	Day 7: Human-Robot Interaction <ul style="list-style-type: none">• Natural Language Processing (NLP) for Robotics• Gesture and Voice Recognition• Hands-on: Implementing NLP for Command and Control
8	Day 8: Robotic Process Automation (RPA) <ul style="list-style-type: none">• Overview of RPA and Its Applications• Tools and Platforms for RPA• Hands-on: Creating Simple RPA Bots
9	Day 9: Robotics in Healthcare <ul style="list-style-type: none">• Applications of Robotics in Healthcare• Surgical Robots and Assistive Devices• Hands-on: Simulating Healthcare Robotics Applications• Ethical Considerations in Healthcare Robotics
10	Day 10: Industrial Robotics <ul style="list-style-type: none">• Smart Manufacturing and Industry 4.0• Robotics in Quality Control and Inspection• Hands-on: Programming Industrial Robots• Case Studies of Robotics in Manufacturing
11	Day 11: Advanced Topics and Future Trends <ul style="list-style-type: none">• Advanced AI Techniques in Robotics• Future Trends in AI and Robotics• Guest Lectures from Industry Experts• Q&A and Open Discussion on Future Directions
12	Day 12: Project Presentations and Wrap-Up <ul style="list-style-type: none">• Final Project Development and Testing• Preparation for Presentations• Project Presentations and Demonstrations• Feedback and Evaluation

Program Coordinator


HoD(CSE Department)

PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Bullapur,
Hyderabad - 500 043.



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Department of Computer Science and Engineering

Course Title:- A TWO WEEKS Certification Course on “Artificial Intelligence with Robotics”

S.No	Content	Dates
1	Day 1: Introduction to AI and Robotics <ul style="list-style-type: none">• Introduction• Overview of AI and Robotics: History and Evolution• Key Concepts and Terminologies in AI and Robotics• Introduction to Robot Operating System (ROS)• Setting Up the Development Environment• Basic ROS Commands and Tools	30/10/2023
2	Day 2: Sensors and Actuators <ul style="list-style-type: none">• Types of Sensors and Their Applications• Introduction to Actuators and Motors• Hands-on: Interfacing Sensors with Microcontrollers• Hands-on: Controlling Actuators using Microcontrollers	31/10/2023
3	Day 3: Computer Vision and Perception <ul style="list-style-type: none">• Basics of Computer Vision• Image Processing Techniques Hands-on: Implementing Basic Computer Vision Algorithms <ul style="list-style-type: none">• Object Detection and Tracking	01/11/2023
4	Day 4: Machine Learning Fundamentals (2.5 hours) <ul style="list-style-type: none">• Introduction to Machine Learning• Supervised and Unsupervised Learning• Hands-on: Building Simple Machine Learning Models• Training and Evaluating Models	02/11/2023
5	Day 5: Deep Learning for Robotics <ul style="list-style-type: none">• Introduction to Deep Learning• Neural Networks and Their Architectures• Hands-on: Implementing a Convolutional Neural Network (CNN)• Applications of Deep Learning in Robotics	03/11/2023



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Department of Computer Science and Engineering

Course Title:- A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

S.No	Content	Dates
6	Day 6: Autonomous Navigation <ul style="list-style-type: none">• Path Planning Algorithms• SLAM (Simultaneous Localization and Mapping)• Hands-on: Implementing Path Planning Algorithms	04/11/2023
7	Day 7: Human-Robot Interaction <ul style="list-style-type: none">• Natural Language Processing (NLP) for Robotics• Gesture and Voice Recognition• Hands-on: Implementing NLP for Command and Control	06/11/2023
8	Day 8: Robotic Process Automation (RPA) <ul style="list-style-type: none">• Overview of RPA and Its Applications• Tools and Platforms for RPA• Hands-on: Creating Simple RPA Bots	07/11/2023
9	Day 9: Robotics in Healthcare <ul style="list-style-type: none">• Applications of Robotics in Healthcare• Surgical Robots and Assistive Devices• Hands-on: Simulating Healthcare Robotics Applications• Ethical Considerations in Healthcare Robotics	08/11/2023
10	Day 10: Industrial Robotics <ul style="list-style-type: none">• Smart Manufacturing and Industry 4.0• Robotics in Quality Control and Inspection• Hands-on: Programming Industrial Robots• Case Studies of Robotics in Manufacturing	9/11/2023
11	Day 11: Advanced Topics and Future Trends <ul style="list-style-type: none">• Advanced AI Techniques in Robotics• Future Trends in AI and Robotics• Guest Lectures from Industry Experts• Q&A and Open Discussion on Future Directions	10/11/2023
12	Day 12: Project Presentations and Wrap-Up <ul style="list-style-type: none">• Final Project Development and Testing• Preparation for Presentations• Project Presentations and Demonstrations• Feedback and Evaluation	11/11/2023

Program Coordinator

HoD(CSE Department)



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Department of Computer Science and Engineering

A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

Signature Sheet

S.No	Name of the student	Year	Signature
1.	ALUGOJU SANTHOSH	II YEAR	
2.	ARELLA NANDA KISHORE GOUD	II YEAR	
3.	B VISHAL	II YEAR	
4.	BAKKANNAGARI SRI VARSHITH GOUD	II YEAR	
5.	BANDA YADAGIRI	II YEAR	
6.	BANDI VARSHITHA	II YEAR	
7.	BATHINI RAMYA	II YEAR	
8.	BATTULA PRADEEP	II YEAR	
9.	BILLA MARK PRABHU PAUL	II YEAR	
10.	BOMMAGANI SHIVAKUMAR	II YEAR	
11.	BOMPALLY SARWAN	II YEAR	
12.	BOYALA MAHENDRA	II YEAR	
13.	BURRI MANOHAR	II YEAR	
14.	CHALLAMALLA NIHIL REDDY	II YEAR	
15.	CHENNAREDDY DIVYA	II YEAR	
16.	CHAVAN ANIL HANUMANT	II YEAR	
17.	CHIDURALA SRIRAM	II YEAR	
18.	CHIGULLAPALLY NARAHARI	II YEAR	
19.	CHINTHALAPALLI RACHANA	II YEAR	
20.	DAKKALI ASHOK KUMAR	II YEAR	
21.	DAMODARA ANIL	II YEAR	
22.	DAVALGARI AKSHAYA	II YEAR	
23.	DHAMMU SHRUVANI	II YEAR	
24.	D BHARGAV SAI SHASHANK	II YEAR	
25.	ESAM JANU	II YEAR	
26.	GANGAVARAPU SNEHITHA NAGA GIRIJA	II YEAR	
27.	GUGULOTH SANTHOSH	II YEAR	



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28.	G NAVADEEP	II YEAR	G. Navadeep.
29.	INDUKURI SATYA SAI NAGENDRA VARMA	II YEAR	I. S. Varma
30.	J KOUSHIK	II YEAR	J. Koushik
31.	J NANDINI	II YEAR	J. Nandini
32.	JAMPELLY AJAY	II YEAR	J. Ajay
33.	J NISHATH KUMAR	II YEAR	J. Nishath
34.	JOGU SIDDARTHA	II YEAR	J. Siddarth
35.	KAJA KARTHIK	II YEAR	K. Kartik
36.	KONDERU SIDDHARTH	II YEAR	K. Siddharth
37.	KUKKUDUVUV HARINATH	II YEAR	K. Harinath
38.	LAKKIREDDY MOHANREDDY	II YEAR	L. Mohanreddy
39.	LAVANURU ROHITH	II YEAR	L. Rohith
40.	LUNGARI AAKASH VARDHAN	II YEAR	L. Aakash
41.	MALLAREDDY KARTHIK KUMAR REDDY	II YEAR	M. Karthik
42.	MARNURI KEERTHAN	II YEAR	M. Keerthan
43.	M.PRASANNA KUMARI	II YEAR	M. Prasanna
44.	MADDURI KAVYA	II YEAR	M. Kavya
45.	MALAVATH RAGHUVeer	II YEAR	M. Raghuveer
46.	MALLANI UDAY	II YEAR	M. Uday
47.	MAMIDISHETTI SHRAVANI	II YEAR	S. Shravani
48.	MERUVA DEVIKA	II YEAR	M. Devika
49.	METTU HARIKA	II YEAR	M. Harika
50.	MOHAMMAD HASNAIN RAZA	II YEAR	M. Hasnain
51.	MOHAMMED ATAULLAH	II YEAR	M. A. Allah
52.	MUNNURU SAIKUMAR	II YEAR	M. Saikumar
53.	NAIKOTI SHIVA PRASAD	II YEAR	N. S. Prasad
54.	NARNE BRAHMATEJASWANI	II YEAR	N. Brahmajam
55.	NAYAN SHARMA	II YEAR	N. Sharm
56.	SRUTHI PENTYALA	II YEAR	S. Pentyala
57.	PISKY SRAVAN KUMAR	II YEAR	P. Sravan
58.	POTHURAJU PRAVEEN	II YEAR	P. Pothuraju
59.	P NAVEEN REDDY	II YEAR	P. Naveen



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60.	P KARTHIKEYA	II YEAR	Karthikeya
61.	R MANISH	II YEAR	Manish
62.	R CHARAN KUMAR	II YEAR	Charan
63.	RATHOD POOJITHA	II YEAR	Poojitha
64.	SAMUDALAPALEPU SRIGOURI	II YEAR	Srigouri
65.	SAHEEL YADAV	II YEAR	Sheel
66.	SAKKARGE ROHITH KUMAR	II YEAR	Rohith
67.	SANGE KAVERI	II YEAR	Kaveri
68.	SHIVANOORI PAVAN KUMAR	II YEAR	A.S. Rav
69.	S ASHWITH REDDY	II YEAR	S. Ashw
70.	SUNCHU NEHA	II YEAR	Neha
71.	S VARSHITH	II YEAR	S. Varshitha
72.	SUZAIN FATIMA	II YEAR	Fatima
73.	TEJAVATH THARUN	II YEAR	Tharun
74.	THALARI NITHISH	II YEAR	Nithish
75.	THIRUVAPATI SRIYA SRI	II YEAR	Sriya Sri
76.	T RAKESH	II YEAR	Rakesh
77.	UPPALAPATI JAYASRI	II YEAR	Jayasri
78.	VELUKANTI NIHARIKA	II YEAR	Niharika
79.	SHIRISHA VENGALI	II YEAR	Vaneeli
80.	VINNAKOTA BAVYA PRASANNA	II YEAR	V.B.Rav
81.	Y.HARSHA VARDHAN REDDY	II YEAR	Harshavardhan Reddy
82.	YELIGETI AKSHITHA	II YEAR	Akshitha
83.	AKULA ESHWAR KUMAR	II YEAR	Eshwar
84.	CHAKALI RAGHAVI	II YEAR	C.Ragavi
85.	CHERUKU RAM JANARDHAN	II YEAR	C.R.Janardhan
86.	DOMATA VIGNESH	II YEAR	Vignesh
87.	JANAPATI GANESH	II YEAR	Ganesh
88.	K SUNANDHA	II YEAR	Sunanda
89.	KURUMA CHANDU	II YEAR	K.Chandu
90.	MAMIDI NAVEEN	II YEAR	M. Naveen
91.	MUDUNURI SAI SREEJA	II YEAR	Sreeja
92.	NADDI AJAY KUMAR	II YEAR	Namay



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93.	NAGOTH DILIP CHOWDARY	II YEAR	N. P. <i>[Signature]</i>
94.	P.PUJITHA DIVYA MEGHANA SREE	II YEAR	D. <i>[Signature]</i>
95.	P. GAYATHRI PRIYADARSHINI	II YEAR	G. <i>[Signature]</i>
96.	PONUGOTI SRI HARSHITHA	II YEAR	S. <i>[Signature]</i>
97.	SAVALI NARESH	II YEAR	Naresh <i>[Signature]</i>
98.	Y.ABHILASH REDDY	II YEAR	A. <i>[Signature]</i>
99.	VUPPALA NEELESH	II YEAR	V. <i>[Signature]</i>
100.	MACHARLA MUNJUNADHA	II YEAR	M. <i>[Signature]</i>
101.	ANJURI THARUN	II YEAR	A. <i>[Signature]</i>
102.	BAGIDA ANUSHA	II YEAR	B. <i>[Signature]</i>
103.	CHITYALA NIKELENDRA	II YEAR	C. <i>[Signature]</i>
104.	GUMMADI ABINASH	II YEAR	G. <i>[Signature]</i>
105.	KEERTHI SANJANA	II YEAR	K. <i>[Signature]</i>
106.	KUNDRA KUMAR RAJA	II YEAR	K. <i>[Signature]</i>
107.	PAMPARI SAI KUMAR	II YEAR	S. <i>[Signature]</i>
108.	REHANA	II YEAR	R. <i>[Signature]</i>
109.	KUMMARI SAMPATH KUMAR	II YEAR	K. <i>[Signature]</i>
110.	M SRAVANTHI	II YEAR	M. <i>[Signature]</i>
111.	MALLULA SHIVA SAI	II YEAR	M. <i>[Signature]</i>
112.	MATURI SHIVA KUMAR	II YEAR	M. <i>[Signature]</i>
113.	METHUKU JAYA PRAKASH REDDY	II YEAR	J. <i>[Signature]</i>
114.	MIRYALA LINGASWAMY	II YEAR	M. <i>[Signature]</i>
115.	POKURI BHUVANESWARI	II YEAR	P. <i>[Signature]</i>
116.	SAMBRAM KALYANI	II YEAR	S. <i>[Signature]</i>
117.	THATTEPALLY SRAVYA	II YEAR	T. <i>[Signature]</i>
118.	VALLEPU SANDHYA	II YEAR	V. <i>[Signature]</i>
119.	AKKAMGARI YASHWANT GOUD	III YEAR	A. <i>[Signature]</i>
120.	ALLIKANTI SAI PRANEETH	III YEAR	A. <i>[Signature]</i>
121.	AMULA NARESH	III YEAR	A. <i>[Signature]</i>
122.	ANNAWAR VENU KUMAR	III YEAR	A. <i>[Signature]</i>
123.	BEERAPPAGARI SUSMITHA	III YEAR	B. <i>[Signature]</i>
124.	BHEEMANAPATI OM PRAKASH REDDY	III YEAR	B. <i>[Signature]</i>



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125.	BODAPATLA PRAVALIKA	III YEAR	B. PraValika
126.	BURRI RAGHUPATHI REDDY	III YEAR	R. Reddy
127.	DATLA RUDRA VEERA ANJI PREM VARMA	III YEAR	A. Prem Varma
128.	DUBA SATHWIK RISHE	III YEAR	Sath
129.	EPPILI ASHOK	III YEAR	Ashok
130.	GAJENDRULA VASAVI	III YEAR	Vasavi
131.	GOVU SHIVA PRAKASH	III YEAR	Shiva
132.	GUDDETI YUGANDHAR REDDY	III YEAR	C. Yugandhar
133.	HADWALA SAI CHANDANA	III YEAR	Sai Chandana
134.	JARUPLA RAHUL	III YEAR	Rahul
135.	K JYOSHI	III YEAR	Jyoshi
136.	KALAGANTI THARUN	III YEAR	K. Tharun
137.	KAMSALA BHAVANI	III YEAR	Bhavani
138.	KESANAKURTHI MADHU GANESH	III YEAR	Madhoo
139.	KODE DURGA PRASAD	III YEAR	K. D. Prasad
140.	MANGATURTHI BHANU PRAKASH	III YEAR	Bhanu Prakash
141.	MARJODI NARASIMHA	III YEAR	Narasimha
142.	MARPAK KAUSHIK	III YEAR	M. Kaushik
143.	MENDRU DHANUSH	III YEAR	M. Dhanush
144.	MOHAMMED SAQLAIN ALI	III YEAR	M. S. Ali
145.	MOHD ADNANUDDIN	III YEAR	M. Adnann
146.	MORUGULA BHAVANI PRASAD	III YEAR	M. B. Prasad
147.	NAKKA PANKAJ KUMAR	III YEAR	N. Pankaj
148.	NARRA NANDINI	III YEAR	Nandini
149.	PACHIPALA ANUSHA SRI	III YEAR	P. Anushe
150.	PANJALA SAHARIKA	III YEAR	P. Saharika
151.	POLA SRIKAR	III YEAR	P. Srikanth
152.	POLISETTI SWAROOPA RANI	III YEAR	S. Swaroopa
153.	RAYISHETTI SURENDER	III YEAR	R. Surendra
154.	SHANTI SHARMA	III YEAR	S. Shreya
155.	THOTA GAYATHRI	III YEAR	T. Gayathri
156.	TUMMALA BHARATH	III YEAR	T. Bharath



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157.	VALLALA LOHITHASHYA	III YEAR	V. Lohitha
158.	VASA BHAGYA LAXMI	III YEAR	V. Bhagya
159.	YALAVARTHI CHARAK BHAIKAR	III YEAR	Charak
160.	N SAI YASHWANTH KRISHNA	III YEAR	KR
161.	BAIPOTHU AKHIL KUMAR	III YEAR	Akhil
162.	BRAHMA TEJA BOLLINENI	III YEAR	Teja
163.	GAJULA NAGA VENKATA SAI SRI RAM	III YEAR	Ram
164.	KUMARI BHIMESH	III YEAR	Bhimesh
165.	CHENCHU SWATHI	III YEAR	Swathi
166.	SURABHI NANDINI	III YEAR	Nandini
167.	VEMPATI SAI SUPRAJA	III YEAR	V. Supraja
168.	KALIKITHI SINDHUJA	III YEAR	K. Sindhuja
169.	ALLADA PARVEEN KUMAR	III YEAR	Parveen
170.	GADDAM RITWIK REDDY	III YEAR	G.R.R
171.	BHETALAM HARI KRISHNAM RAJU	III YEAR	Hari
172.	MOHAMMAD SALAHUDDIN	III YEAR	M. Salihuddin
173.	MATETI NEHA	III YEAR	Neha
174.	PONUGOTI ABHINAVRAO	III YEAR	Abhinav
175.	TEJ ABHIRAM G	III YEAR	Tej
176.	VADLA SRINITHA	III YEAR	V. Srinita
177.	VANAM SUSHMITHA	III YEAR	V. Sushmitha
178.	VELIVELA HARSHITHA SAI	III YEAR	Sai
179.	KALIDINDI MANI SANJITHA	III YEAR	Mani Sanjitha
180.	GURUGARI PUJITHA	III YEAR	Pujitha
181.	RANGISSETTI RAMYA	III YEAR	Ramya
182.	MEKALA BHARGAVI	III YEAR	M. Bhargavi
183.	SHAMALA DEEPIKA	III YEAR	S. Deepika
184.	JANGETI MADHURI	III YEAR	Madhuri
185.	MOHD ABDUL MUQEETH	III YEAR	M. A. M.
186.	VALSA SHREYA	III YEAR	Shreya
187.	MEKALA PURNIMA	III YEAR	M. Purnima
188.	VEMAGOTI ANKITHA	III YEAR	Ankitha



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189.	DEVARAPALLI VIJAYA BABU	III YEAR	Vijay
190.	BODA NITHIN GOUD	III YEAR	nithin Goud
191.	KAMISETTI VEERA MALLESWARA RAO	III YEAR	veer
192.	MENTA LAHARI	III YEAR	Lahari
193.	K POOJALATHA	III YEAR	poojalter
194.	YOGESH GUPTA	III YEAR	gupta
195.	MOOLA ASHRITH KUMAR	III YEAR	Ashith Kumar
196.	MADDILA RAJ KUMAR	III YEAR	Raj Kumar
197.	BHAMINI SAI RAM SUMANTH	III YEAR	Sai Ram
198.	TODETI SWETHA	III YEAR	Swetha
199.	BALAGANI SAIKUMAR	III YEAR	SaiKumar
200.	NASOLA VYSHALI	III YEAR	Vyshali
201.	SHIVA BARIK	III YEAR	Shiva
202.	KOTHAPETA SAI KUMAR	III YEAR	Sai
203.	THUMKUNTA BHARATHKUMAR	III YEAR	B Kumar
204.	ALETI HEMANTH REDDY	III YEAR	Alett Reddy
205.	THATI AKSHAYA	III YEAR	Akash
206.	B LOKESH GOUD	III YEAR	Lokesh
207.	LALTU GHOSH	III YEAR	Ghosh
208.	A NIKHIL KUMAR	IV YEAR	Nikhil
209.	AAVU BHAVANI	IV YEAR	Bhavani
210.	ADAMA PRANAY KUMAR	IV YEAR	Pranay Kumar
211.	ANUJ KUMAR	IV YEAR	Anuj
212.	ATYAM MONIKA	IV YEAR	Monika
213.	AVULA KISHORE	IV YEAR	Kishore
214.	BATTULA SAI	IV YEAR	Sai
215.	BODDU SHARAT CHANDRA SAI	IV YEAR	Sharat
216.	BRAHMANAPALLI ANURAG GOUD	IV YEAR	Anurag Goud
217.	BUDDHARAJU LAKSHMI SATHVIKA	IV YEAR	Lakshmi Sathvika
218.	CH RITHIK KUMAR	IV YEAR	Rithik
219.	CHAITANKER YASHWANTH	IV YEAR	Ch. Yashwant
220.	CHAVAGANI RAMATULASI	IV YEAR	Ramtulasi



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221.	CHIKOTI BHARATH KUMAR	IV YEAR	<i>Kumar</i>
222.	D SAI DURGA PRASAD	IV YEAR	<i>Sai</i>
223.	DIVILI DURGA RAO	IV YEAR	<i>Durga Rao</i>
224.	DRONADULA NAGA RAJENDRA	IV YEAR	<i>Durga</i> <i>Naga Rajendra</i>
225.	DUNABOYINA LATHA SRINIWAS RAO	IV YEAR	<i>Srinivas Rao</i>
226.	GADDAM SAI TANISHQ CHOUDAY	IV YEAR	<i>Tanishq</i>
227.	GANGONI VISHNU VARDHAN	IV YEAR	<i>Vishnu</i>
228.	GARREPALLY PAVITHRA	IV YEAR	<i>Pavithra</i>
229.	JALIGAPU AKSHAYA SUMANA	IV YEAR	<i>Sumana</i>
230.	K VENU	IV YEAR	<i>K. Venu</i>
231.	KANCHETI SAMJANA	IV YEAR	<i>Samjana</i>
232.	KANDOOR SNEHA	IV YEAR	<i>Sneha</i>
233.	KARANGULA ARUN KUMAR	IV YEAR	<i>Arun Kumar</i>
234.	KARETI LAKSHMI MOUNIKA	IV YEAR	<i>Mounika</i>
235.	KATLA SAI LOUSHIK	IV YEAR	<i>Loushik</i>
236.	KOLLA CHANDAN	IV YEAR	<i>Chandan</i>
237.	KOLLI GAYATRI	IV YEAR	<i>Gayatri</i>
238.	KOLUKULA RAJU	IV YEAR	<i>Raju</i>
239.	KONDISETTY NAGA VAMSI	IV YEAR	<i>Naga Vamsi</i>
240.	M LAKSHMI PRIYANKA	IV YEAR	<i>Priyanka</i>
241.	MADDINENI VENKATA SHIVA SAI RUTHWIK	IV YEAR	<i>Shiva Sai Ruthwik</i>
242.	MAMINDLA RAGHU	IV YEAR	<i>Raghuram</i>
243.	MANDA SREEJA	IV YEAR	<i>Sreeja</i>
244.	MANDAVA SAIRAMYA	IV YEAR	<i>Sairamya</i>
245.	MATHARI GLORY	IV YEAR	<i>Glory</i>
246.	MIRZA AYMAN BAIG	IV YEAR	<i>Aymans Baig</i>
247.	MUDDHANGULA VENKATESH	IV YEAR	<i>Venkatesh</i>
248.	MUGANOOR SUDHEER	IV YEAR	<i>Sudheer</i>
249.	MULTIM SAI PRIYA	IV YEAR	<i>Sai Priya</i>
250.	NANDAGIRI KOUSHIK	IV YEAR	<i>Koushik</i>
251.	PALLA ROHITH KUMAR	IV YEAR	<i>Rohith</i>
252.	PATLOLLA YASHWANTH	IV YEAR	<i>Yashwanth</i>



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253.	PEDDAPATLOLLA NIKITHA	IV YEAR	Nikitha
254.	PILLI VINITHA	IV YEAR	Vinitha
255.	PRINCE SHARMA	IV YEAR	Sharma
256.	PULKUNTA NARASIMHA NIKHIL	IV YEAR	Nikhil
257.	RACHABATTUNI ADITYA	IV YEAR	Aditya
258.	RAKESH BHAVANAND	IV YEAR	Rakesh
259.	RAVADA HEMANTH SAI PHANI KUMAR	IV YEAR	Sai Kumar
260.	SALAGRAMA BHARATH KUMAR	IV YEAR	Bharath
261.	SERIKAR AKHIL	IV YEAR	Akhil
262.	SHAIK ARSHIYA	IV YEAR	Arshiya
263.	SHAIK HARSHAD	IV YEAR	Harshad
264.	SUNKOJU DHARANI	IV YEAR	Dharani
265.	SYED ILYAS	IV YEAR	Ilyas
266.	THIPPARTHI ASHWINI	IV YEAR	Aswini
267.	THOTA KURUMURTHI	IV YEAR	T. Kurumurthi
268.	U SAI KUMAR	IV YEAR	Sai Kumar
269.	URLAM VAMSHI SWAROOP	IV YEAR	Swaroop
270.	VOMA PAVANKALYAN	IV YEAR	Pavankalyan
271.	YARAMANENI SAKETH CHOWDARI	IV YEAR	Saketh
272.	YELALA PRANAVI	IV YEAR	Pranavi
273.	KUMPATI PRASHANTH KUMAR	IV YEAR	Prashanth
274.	BATHURI SAI KIRAN	IV YEAR	B. Sai Kiran
275.	BONAKURTHI KALYAN CHAKRAVARTHI	IV YEAR	Kalyan
276.	EEDUNOORI VANI	IV YEAR	Vani
277.	GANJI NAVEEN	IV YEAR	Naven
278.	GUNDABOINA MAHESHWARI	IV YEAR	Maheshwari
279.	JANAGAM SHASHANK	IV YEAR	Shashank
280.	KATLA SHYAM	IV YEAR	Shyam
281.	KURIMINDLA ACHYUTH KUMAR	IV YEAR	Achyuth
282.	MARADANI NAGARAJU	IV YEAR	Nagaraju
283.	MOHAMMAD YASEEN	IV YEAR	Yaseen
284.	MONALISA MUDULI	IV YEAR	Muduli



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285.	MORTALA SHIVA REDDY	IV YEAR	Shiva
286.	MUDIGONDA PRAVEEN	IV YEAR	praveen
287.	POCHAMALA JAYANTH	IV YEAR	Jayant
288.	R.VEDHANTH	IV YEAR	Vedhant
289.	VAJJAKESHAVA TEJA	IV YEAR	Teja
290.	VANGARI NIKHIL	IV YEAR	Nikhil
291.	SUNIL KUMAR	IV YEAR	Sunil Kumar
292.	THUMMARI BHUVANESHWARI	IV YEAR	Bhuvaneswari

A handwritten signature in blue ink, appearing to read "B. S. Reddy".

Program Coordinator

A handwritten signature in blue ink, appearing to read "P. M. Venkateswara Rao".

HoD (CSE Department)



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Department of Computer Science and Engineering

PROGRAM REPORT

Name of the Course : A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

Date : 30/10/2023 - 11/11/2023

Program Coordinator : Mr.K.PRAVEEN, Assistant professor, Dept. Of CSE

Number of students attended: 292

Venue : Seminar Hall, DRK Institute of science and technology

DRK Institute of science and technology organized A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics" for B-tech CSE students.

Objectives:

- Understanding Fundamental Concepts
- Hands-On Experience with Robotics Platforms
- Integration of AI and Robotics
- Problem-Solving Skills
- Ethical and Safety Considerations
- Collaboration and Teamwork

Learning Outcomes

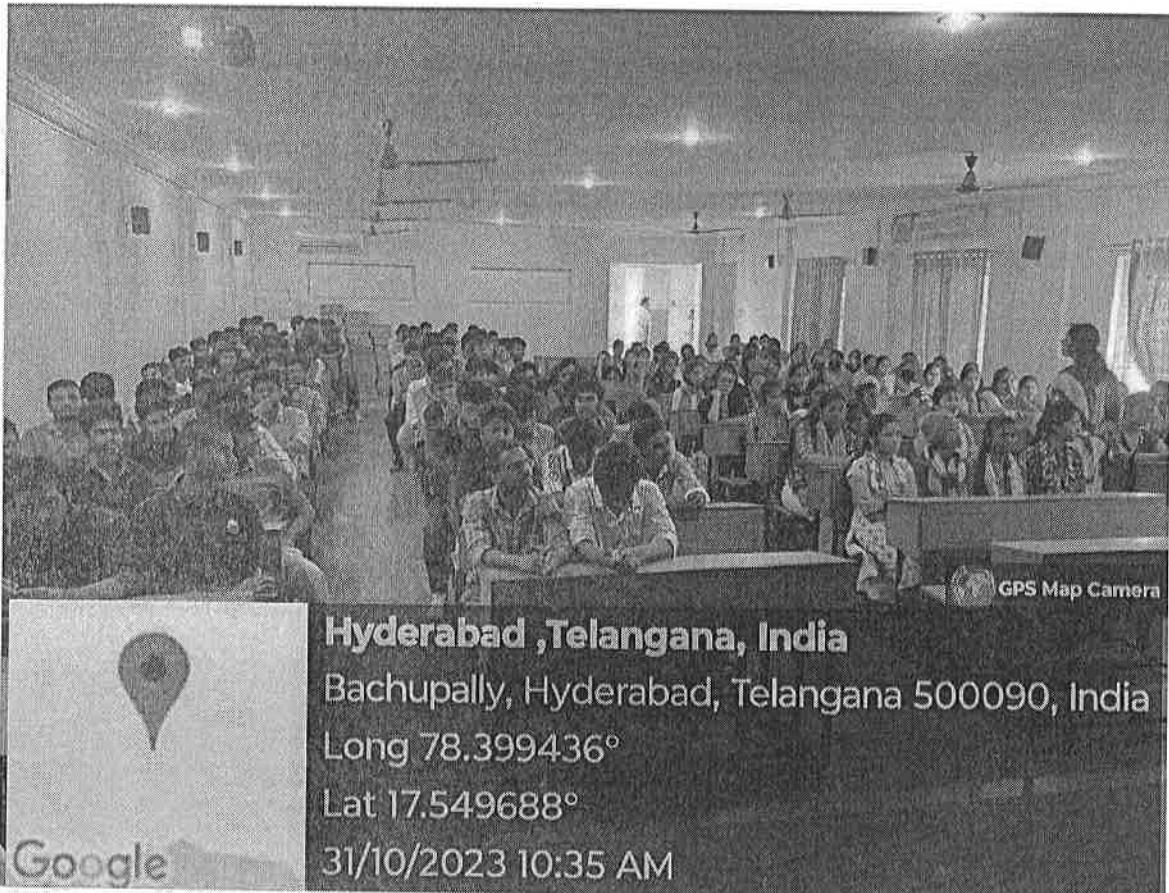
- Participants will gain a solid understanding of key concepts in AI and robotics
- Participants will be able to program and operate various types of robots, including both virtual and physical models
- Implementation of AI in Robotics Applications.
- Develop problem-solving skills by working on real-world projects and challenges, including designing and executing robotic solutions.
- Participants will understand the ethical implications and safety considerations related to AI and robotics..

The course is very useful to the students and their feedback is positive. The management and principal of DRK institute of Science and Technology thanked the participants for making the program successful.



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GPS Map Camera

Hyderabad ,Telangana, India

Bachupally, Hyderabad, Telangana 500090, India

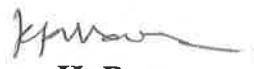
Long 78.399436°

Lat 17.549688°

31/10/2023 10:35 AM



Program Coordinator


HoD



DRK Institute of
Science and Technology
(Approved by AICTE & Affiliated to JNTUH)

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A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

ATTENDANCE SHEET

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14.	CHALLAMALLA NIKHIL REDDY	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P
15.	CHENNAREDDY DIVYA	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P
16.	CHAVAN ANIL HANUMANT	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P
17.	CHIDURALA SRIRAM	II YEAR	P	P	P	P	P	P	P	P	P	A	P	P
18.	CHIGULLAPALLY NARAHARI	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P
19.	CHINTHALAPALLI RACHANA	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P
20.	DAKKALI ASHOK KUMAR	II YEAR	P	P	P	P	P	P	P	P	A	P	P	P
21.	DAMODARA ANIL	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
22.	DAVALGARI AKSHAYA	II YEAR	P	P	P	P	A	P	P	D	P	P	P	P
23.	DHAMMU SHRAVANI	II YEAR	P	P	P	P	P	P	D	A	P	P	P	P
24.	D BHARGAV SAI SHASHANK	II YEAR	A	A	A	P	P	P	A	P	P	P	A	R
25.	ESAM JANU	II YEAR	P	P	P	P	P	P	D	P	P	P	P	P
26.	GANGAVARAPU SNEHITHA NAGA GIRJA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
27.	GUGULOTH SANTHOSH	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P
28.	G NAVADEEP	II YEAR	P	P	P	P	P	P	D	A	P	P	P	P
29.	INDUKURI SATYA SAI NAGENDRA VARMA	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P
30.	J KOUSHIK	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P
31.	J NANDINI	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P
32.	JAMPELLY AJAY	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
33.	J NISHATH KUMAR	II YEAR	P	P	P	A	P	P	P	R	P	P	P	P
34.	JOGU SIDDARTHA	II YEAR	P	P	P	P	P	A	P	P	P	P	P	D



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35.	KAJA KARTHIK	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
36.	KONDERU SIDDHARTH	II YEAR	P	P	P	P	P	A-	P	P	P	P	P	P	P
37.	KUKKUDUVUV HARINATH	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
38.	LAKKIREDDY MOHANREDDY	II YEAR	P	P	P	P	P	P	P	P	P	A	P	P	P
39.	LAVANURU ROHITH	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
40.	LUNGARI AAKASH VARDHAN	II YEAR	P	P	P	P	P	A	D	P	P	P	P	P	P
41.	MALLAREDDY KARTHIK KUMAR REDDY	II YEAR	A	A	A	P	P	P	A	P	P	P	A	A	
42.	MARNURI KEERTHAN	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
43.	M.PRASANNA KUMARI	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
44.	MADDURI KAVYA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
45.	MALAVATH RAGHUVeer	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
46.	MALLANI UDAY	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
47.	MAMIDISHETTI SHRAVANI	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
48.	MERUVA DEVIKA	II YEAR	P	P	P	P	P	P	P	P	P	P	A	P	P
49.	METTU HARIKA	II YEAR	A	A	A	P	P	P	A	P	P	P	A	P	
50.	MOHAMMAD HASNAIN RAZA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
51.	MOHAMMED ATAULLAH	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
52.	MUNNURU SAIKUMAR	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
53.	NAIKOTI SHIVA PRASAD	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
54.	NARNE BRAHMATEJASWANI	II YEAR	P	P	P	P	P	P	P	P	P	A	P	P	P
55.	NAYAN SHARMA	II YEAR	P	P	P	A	P	P	P	b	R	P	P	P	P
56.	SRUTHI PENTYALA	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P

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57.	PISKY SRAVAN KUMAR	II YEAR	P	P	P	A	P	P	P	P	P	P	D
58.	POTHURAJU PRAVEEN	II YEAR	P	P	D	P	P	P	P	A	P	P	P
59.	P NAVEEN REDDY	II YEAR	P	P	P	P	P	P	P	P	P	P	P
60.	P KARTHIKEYA	II YEAR	P	P	D	P	A	P	P	P	P	P	D
61.	R MANISH	II YEAR	P	A	A	P	P	P	A	P	P	P	A
62.	R CHARAN KUMAR	II YEAR	P	P	A	P	P	P	P	P	P	P	P
63.	RATHOD POOJITHA	II YEAR	P	P	P	P	A	P	P	P	P	P	P
64.	SAMUDALAPALEPU SRIGOURI	II YEAR	P	P	P	P	P	P	P	A	P	P	P
65.	SAHEEL YADAV	II YEAR	P	P	D	P	P	A	P	P	P	P	P
66.	SAKKARGE ROHITH KUMAR	II YEAR	P	P	P	P	P	P	D	P	A	P	P
67.	SANGE KAVERI	II YEAR	P	P	P	P	P	P	P	P	P	P	P
68.	SHIVANOORI PAVAN KUMAR	II YEAR	P	P	P	P	P	P	P	A	P	P	P
69.	S ASHWITH REDDY	II YEAR	P	P	P	P	P	P	P	P	P	A	P
70.	SUNCHU NEHA	II YEAR	P	P	P	P	P	P	P	A	P	P	P
71.	S VARSHITH	II YEAR	P	P	P	P	P	P	P	P	P	A	P
72.	SUZAIN FATIMA	II YEAR	P	P	D	P	P	P	D	P	P	P	P
73.	TEJAVATH THARUN	II YEAR	P	P	P	P	P	P	D	P	A	P	P
74.	THALARI NITHISH	II YEAR	P	P	P	P	P	P	D	P	P	A	P
75.	THIRUVAPATI SRIYA SRI	II YEAR	P	P	P	P	P	P	D	P	P	P	P
76.	T RAKESH	II YEAR	P	P	P	A	P	P	D	P	P	P	P
77.	UPPALAPATI JAYASRI	II YEAR	P	P	D	P	P	P	A	D	P	P	P
78.	VELUKANTI NIHARIKA	II YEAR	P	P	P	P	P	P	P	P	A	P	P



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100.	MACHARLA MUNJUNADHA	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P
101.	ANJURI THARUN	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
102.	BAGIDA ANUSHA	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P
103.	CHITYALA NIKELENDRA	II YEAR	P	P	P	P	P	P	A	P	P	P	P	P
104.	GUMMADI ABINASH	II YEAR	P	P	P	P	P	P	P	P	P	A	P	P
105.	KEERTHI SANJANA	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P
106.	KUNDRA KUMAR RAJA	II YEAR	P	P	P	P	P	P	P	P	P	A	P	P
107.	PAMPARI SAI KUMAR	II YEAR	P	P	P	P	P	P	P	P	A	P	P	P
108.	REHANA	II YEAR	A	P	P	P	P	P	P	P	P	P	P	P
109.	KUMMARI SAMPATH KUMAR	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P
110.	M SRAVANTHI	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
111.	MALLULA SHIVA SAI	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
112.	MATURI SHIVA KUMAR	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P
113.	METHUKU JAYA PRAKASH REDDY	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P
114.	MIRYALA LINGASWAMY	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P
115.	POKURI BHUVANESWARI	II YEAR	P	P	P	P	P	P	P	A	P	P	P	P
116.	SAMBRAM KALYANI	II YEAR	P	P	P	P	A	P	P	P	P	P	P	P
117.	THATTEPALLY SRAVYA	II YEAR	P	P	P	A	P	P	P	P	P	P	P	P
118.	VALLEPU SANDHYA	II YEAR	P	P	P	P	P	A	P	P	P	P	P	P
119.	AKKAMGARI YASHWANT GOUD	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
120.	ALLIKANTI SAI PRANEETH	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P

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121.	AMULA NARESH	III YEAR	P	P	P	P	A	P	P	P	P	P	P	P
122.	ANNAWAR VENU KUMAR	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
123.	BEERAPPAGARI SUSMITHA	III YEAR	A	P	P	P	P	P	P	P	P	P	P	P
124.	BHEEMANAPATI OM PRAKASH REDDY	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P
125.	BODAPATLA PRAVALIKA	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P
126.	BURRI RAGHUPATHI REDDY	III YEAR	P	P	P	A	P	P	D	P	P	P	P	P
127.	DATLA RUDRA VEERA ANJI PREM VARMA	III YEAR	P	P	P	P	A	P	P	P	A	P	P	P
128.	DUBA SATHWIK RISHE	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P
129.	EPPILI ASHOK	III YEAR	P	D	P	A	P	P	P	P	P	P	P	P
130.	GAJENDRULA VASAVI	III YEAR	P	P	D	P	P	A	P	P	P	P	P	P
131.	GOVU SHIVA PRAKASH	III YEAR	P	P	D	A	P	P	P	P	P	P	P	P
132.	GUDDETI YUGANDHAR REDDY	III YEAR	P	D	P	P	A	P	P	P	P	P	P	P
133.	HADWALA SAI CHANDANA	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P
134.	JARUPLA RAHUL	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
135.	K JYOSHI NI	III YEAR	P	P	P	P	P	P	D	P	P	A	D	P
136.	KALAGANTI THARUN	III YEAR	P	P	P	P	P	P	D	P	A	P	P	P
137.	KAMSALA BHAVANI	III YEAR	P	D	P	P	A	P	P	P	P	P	P	P
138.	KESANAKURTHI MADHU GANESH	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P
139.	KODE DURGA PRASAD	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
140.	MANGATURTHI BHANU PRAKASH	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P



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141.	MARJODI NARASIMHA	III YEAR	P	P	P	P	A	P	R	P	P	P	P	P	P
142.	MARPAK KAUSHIK	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
143.	MENDRU DHANUSH	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P	P
144.	MOHAMMED SAQLAIN ALI	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
145.	MOHD ADNANUDDIN	III YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
146.	MORUGULA BHAVANI PRASAD	III YEAR	P	P	P	P	P	P	A	P	P	P	P	P	A
147.	NAKKA PANKAJ KUMAR	III YEAR	P	P	P	P	P	P	P	P	P	A	P	P	P
148.	NARRA NANDINI	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P	P
149.	PACHIPALA ANUSHA SRI	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
150.	PANJALA SAHARIKA	III YEAR	P	P	P	P	P	P	P	P	P	P	A	P	P
151.	POLA SRIKAR	III YEAR	A	P	P	P	P	P	P	D	P	P	P	P	P
152.	POLISSETTI SWAROOPA RANI	III YEAR	P	P	P	P	P	P	A	P	P	P	P	P	P
153.	RAYISHETTI SURENDER	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
154.	SHANTI SHARMA	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
155.	THOTA GAYATHRI	III YEAR	P	P	P	P	P	P	P	D	A	P	P	P	P
156.	TUMMALA BHARATH	III YEAR	P	P	D	P	P	P	P	P	P	P	P	P	P
157.	VALLALA LOHITHASHYA	III YEAR	P	P	D	P	A	P	P	P	P	P	P	P	P
158.	VASA BHAGYA LAXMI	III YEAR	P	P	P	P	P	P	A	P	P	P	P	P	P
159.	YALAVARTHI CHARAK BHAIKAR	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
160.	N SAI YASHWANTH KRISHNA	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P	P
161.	BAIPODHU AKHIL KUMAR	III YEAR	P	P	P	P	P	P	P	P	P	P	A	P	P
162.	BRAHMA TEJA BOLLINENI	III YEAR	P	P	P	P	P	P	P	P	P	A	P	P	P

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163.	GAJULA NAGA VENKATA SAI SRI RAM	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
164.	KUMARI BHIMESH	III YEAR	A	P	P	P	P	P	P	P	P	P	P	P
165.	CHENCHU SWATHI	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
166.	SURABHI NANDINI	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
167.	VEMPATI SAI SUPRAJA	III YEAR	P	P	P	P	P	P	A	P	P	P	P	P
168.	KALIKITHI SINDHUJA	III YEAR	P	P	P	P	P	A	P	P	P	A	P	P
169.	ALLADA PARVEEN KUMAR	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P
170.	GADDAM RITWIK REDDY	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P
171.	BHETALAM HARI KRISHNAM RAJU	III YEAR	P	P	P	P	P	P	P	P	P	A	P	A
172.	MOHAMMAD SALAHUDDIN	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
173.	MATETI NEHA	III YEAR	P	P	P	P	P	P	A	P	P	P	P	P
174.	PONUGOTI ABHINAVRAO	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
175.	TEJ ABHIRAM G	III YEAR	P	P	P	P	P	P	P	P	P	P	A	P
176.	VADLA SRINITHA	III YEAR	P	P	P	P	P	P	P	P	R	P	P	P
177.	VANAM SUSHMITHA	III YEAR	P	P	P	P	P	P	P	P	P	A	P	P
178.	VELIVELA HARSHITHA SAI	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
179.	KALIDINDI MANI SANJITHA	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
180.	GURUGARI PUJITHA	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P
181.	RANGISSETTI RAMYA	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P
182.	MEKALA BHARGAVI	III YEAR	A	P	P	P	P	P	P	P	P	P	P	P
183.	SHAMALA DEEPIKA	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P
184.	JANGETI MADHURI	III YEAR	P	P	P	P	P	A	P	P	R	P	P	P



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185.	MOHD ABDUL MUQEETH	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
186.	VALSA SHREYA	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
187.	MEKALA PURNIMA	III YEAR	A	P	P	P	P	P	P	P	P	P	P	P	P
188.	VEMAGOTI ANKITHA	III YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
189.	DEVARAPALLI VIJAYA BABU	III YEAR	P	P	P	P	P	A	P	P	A	P	P	P	P
190.	BODA NITHIN GOUD	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
191.	KAMISETTI VEERA MALLESWARA RAO	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
192.	MENTA LAHARI	III YEAR	P	P	P	P	P	P	P	P	P	P	A	P	P
193.	K POOJALATHA	III YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
194.	YOGESH GUPTA	III YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
195.	MOOLA ASHRITH KUMAR	III YEAR	P	P	P	A	P	P	P	A	P	P	P	P	P
196.	MADDILA RAJ KUMAR	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
197.	BHAMINI SAI RAM SUMANTH	III YEAR	P	P	P	P	P	P	P	P	A	P	P	A	P
198.	TODETI SWETHA	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
199.	BALAGANI SAIKUMAR	III YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
200.	NASOLA VYSHALI	III YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
201.	SHIVA BARIK	III YEAR	P	P	P	P	A	P	D	P	P	P	P	P	P
202.	KOTHAPETA SAI KUMAR	III YEAR	P	P	P	P	A	P	D	P	P	P	P	P	P
203.	THUMKUNTA BHARATHKUMAR	III YEAR	P	P	P	P	P	P	P	A	P	P	P	P	P
204.	ALETI HEMANTH REDDY	III YEAR	P	P	P	P	P	P	P	P	A	P	P	P	P
205.	THATI AKSHAYA	III YEAR	P	P	P	P	P	P	B	P	P	P	P	P	P



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226.	GADDAM SAI TANISHQ CHOUDAY	IV YEAR	P	P	P	P	P	P	P	P	P	P	P
227.	GANGONI VISHNU VARDHAN	IV YEAR	A	P	P	P	P	P	P	P	P	P	P
228.	GARREPALLY PAVITHRA	IV YEAR	P	P	P	A	P	P	P	P	P	P	P
229.	JALIGAPU AKSHAYA SUMANA	IV YEAR	P	P	P	P	P	A	D	P	P	P	P
230.	K VENU	IV YEAR	P	P	P	P	A	P	D	P	P	P	P
231.	KANCHETI SAMJANA	IV YEAR	P	P	P	P	P	P	P	A	P	P	P
232.	KANDOOR SNEHA	IV YEAR	P	P	P	P	P	P	P	P	P	A	P
233.	KARANGULA ARUN KUMAR	IV YEAR	P	P	P	P	P	P	P	A	P	P	P
234.	KARETI LAKSHMI MOUNIKA	IV YEAR	A	P	P	P	P	P	D	P	P	P	P
235.	KATLA SAI LOUSHIK	IV YEAR	P	P	P	A	P	P	D	P	P	P	P
236.	KOLLA CHANDAN	IV YEAR	P	P	P	P	P	A	D	P	P	P	P
237.	KOLLI GAYATRI	IV YEAR	P	P	P	P	P	A	D	P	P	P	P
238.	KOLUKULA RAJU	IV YEAR	P	P	P	P	P	P	D	P	A	P	P
239.	KONDISETTY NAGA VAMSI	IV YEAR	P	P	P	P	P	P	D	A	P	P	P
240.	M LAKSHMI PRIYANKA	IV YEAR	A	P	P	P	P	P	D	P	P	P	P
241.	MADDINENI VENKATA SHIVA SAI RUTHWIK	IV YEAR	P	P	P	A	P	P	D	P	P	P	P
242.	MAMINDLA RAGHU	IV YEAR	P	P	P	P	P	A	P	P	P	P	P
243.	MANDA SREEJA	IV YEAR	P	P	P	P	P	P	P	P	P	A	P
244.	MANDAVA SAIRAMYA	IV YEAR	P	P	P	P	A	P	P	P	P	P	P
245.	MATHARI GLORY	IV YEAR	P	P	P	P	P	P	P	A	P	P	P



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246.	MIRZA AYMAN BAIG	IV YEAR	P	P	P	A	P	P	P	P	P	P	P	P	P
247.	MUDDHANGULA VENKATESH	IV YEAR	A	P	P	P	P	P	P	P	P	P	P	P	P
248.	MUGANOOR SUDHEER	IV YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
249.	MULTIM SAI PRIYA	IV YEAR	P	P	A	P	P	P	P	P	P	P	A	P	P
250.	NANDAGIRI KOUSHIK	IV YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
251.	PALLA ROHITH KUMAR	IV YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
252.	PATLOLLA YASHWANTH	IV YEAR	P	P	P	A	P	P	P	A	P	P	P	P	P
253.	PEDDAPATLOLLA NIKITHA	IV YEAR	A	P	P	P	P	P	P	P	P	P	P	P	P
254.	PILLI VINITHA	IV YEAR	P	P	P	P	P	P	A	P	P	P	P	P	P
255.	PRINCE SHARMA	IV YEAR	P	P	A	P	P	P	P	P	A	P	P	P	P
256.	PULKUNTA NARASIMHA NIKHIL	IV YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
257.	RACHABATTUNI ADITYA	IV YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P
258.	RAKESH BHAVANAND	IV YEAR	P	P	P	P	P	P	P	P	P	P	A	P	P
259.	RAVADA HEMANTH SAI PHANI KUMAR	IV YEAR	P	P	P	A	P	P	P	A	P	P	P	P	P
260.	SALAGRAMA BHARATH KUMAR	IV YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
261.	SERIKAR AKHIL	IV YEAR	A	P	P	P	P	P	P	P	P	P	P	P	P
262.	SHAIK ARSHIYA	IV YEAR	P	P	P	P	P	P	P	D	P	P	A	P	P
263.	SHAIK HARSHAD	IV YEAR	P	P	A	P	P	P	P	P	P	P	P	P	D
264.	SUNKOJU DHARANI	IV YEAR	P	P	P	P	A	P	P	P	P	P	P	P	P
265.	SYED ILYAS	IV YEAR	P	P	P	P	P	A	P	P	P	P	P	P	P

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266.	THIPPARTHI ASHWINI	IV YEAR	P	P	P	P	P	A	P	P	P	P	P	P
267.	THOTA KURUMURTHI	IV YEAR	P	P	A	P	P	P	P	P	P	P	P	P
268.	U SAI KUMAR	IV YEAR	A	P	P	P	P	P	P	P	P	P	P	P
269.	URLAM VAMSHI SWAROOP	IV YEAR	P	P	P	A	P	P	P	P	P	P	P	P
270.	VOMA PAVANKALYAN	IV YEAR	P	P	P	P	P	P	A	P	P	P	P	P
271.	YARAMANENI SAKETH CHOWDARI	IV YEAR	P	P	P	P	P	P	P	P	P	P	P	P
272.	YELALA PRANAVI	IV YEAR	P	P	P	P	P	P	P	P	P	P	P	P
273.	KUMPATI PRASHANTH KUMAR	IV YEAR	P	P	P	P	P	P	P	A	P	P	P	P
274.	BATHURI SAI KIRAN	IV YEAR	A	P	P	A	P	P	P	P	P	P	P	P
275.	BONAKURTHI KALYAN CHAKRAVARTHI	IV YEAR	P	P	P	P	P	A	P	P	P	P	P	P
276.	EEDUNOORI VANI	IV YEAR	P	P	P	P	P	P	P	P	A	P	P	P
277.	GANJI NAVEEN	IV YEAR	P	P	P	P	P	P	A	P	P	P	P	P
278.	GUNDABOINA MAHESHWARI	IV YEAR	P	P	A	P	P	P	P	A	P	P	P	P
279.	JANAGAM SHASHANK	IV YEAR	P	P	P	P	A	P	P	P	P	P	P	P
280.	KATLA SHYAM	IV YEAR	P	D	P	P	P	P	P	P	P	A	P	P
281.	KURIMINDLA ACHYUTH KUMAR	IV YEAR	A	P	P	P	P	P	P	P	A	P	P	P
282.	MARADANI NAGARAJU	IV YEAR	P	P	P	P	P	A	P	P	P	P	A	P
283.	MOHAMMAD YASEEN	IV YEAR	P	P	P	P	P	P	A	P	P	P	P	P
284.	MONALISA MUDULI	IV YEAR	P	P	P	A	P	P	D	P	P	P	P	P
285.	MORTALA SHIVA REDDY	IV YEAR	P	P	A	P	P	P	P	A	P	P	P	P
286.	MUDIGONDA PRAVEEN	IV YEAR	P	P	P	P	A	P	P	P	P	P	P	P



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287.	POCHAMALA JAYANTH	IV YEAR	P	P	P	P	P	P	P	A	P	P	P
288.	R.VEDHANTH	IV YEAR	P	P	P	A	P	P	P	P	P	P	P
289.	VAJJAKESHAVA TEJA	IV YEAR	A	P	P	P	A	P	P	A	P	P	P
290.	VANGARI NIKHIL	IV YEAR	P	P	P	P	P	P	P	P	P	P	P
291.	SUNIL KUMAR	IV YEAR	P	P	P	P	P	A	P	P	P	P	P
292.	THUMMARI BHUVANESHWARI	IV YEAR	P	P	P	P	P	P	P	A	P	P	P



Program Coordinator



HoD (CSE Department)

At

18
20

Department of Computer Science and Engineering

Name of the Student: **Duba Sathwik Roshan** Year: **2023**

Max marks: 20

Answer all the questions and each one carries equal marks.

1. What is the primary goal of artificial intelligence?

- a) To replace humans b) To simulate human intelligence
c) To create physical robots d) To process large amounts of data

[b]

2. Which of the following is NOT a type of machine learning?

- a) Supervised learning b) Unsupervised learning
c) Reinforcement learning d) Instructional learning

[d]

3. In the context of robotics, what is an actuator?

[b]

- a) A sensor used to measure distance b) A device that moves or controls a mechanism
c) The brain of the robot d) A software algorithm

4. Which algorithm is commonly used in AI for decision-making in robotics?

- a) K-Nearest Neighbours b) Q-learning c) Linear Regression d) Decision Trees

[b]

5. What is the role of a sensor in a robot?

- a) To process information b) To perform actions
c) To sense the environment d) To store data

[c]

6. Which programming language is most commonly used in AI and robotics?

- a) Python b) Java c) C++ d) Ruby

[a]

7. What is the purpose of a neural network in AI?

- a) To manage hardware resources b) To mimic the human brain's processing
c) To control robotic movement d) To store data

[b]

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8. In robotics, what does the term 'autonomy' refer to?

- a) The robot's ability to recharge itself
- b) The robot's ability to operate without human intervention
- c) The robot's ability to follow simple instructions
- d) The robot's ability to communicate

[b]

9. Which type of learning algorithm would be most appropriate for teaching a robot to navigate a maze?

- a) Supervised learning
- b) Unsupervised learning
- c) Reinforcement learning
- d) Transfer learning

[c]

10. What does 'computer vision' allow a robot to do?

- a) Communicate with other machines
- b) Understand and interpret visual information
- c) Generate human-like responses
- d) Manage data storage

[b]

11. Which of the following is a common challenge in robotics?

- a) Low processing speed
- b) Limited sensor technology
- c) High data storage costs
- d) Unpredictable environments

[d]

12. What is the Turing Test used for?

- a) To test a robot's physical strength
- b) To evaluate a machine's ability to exhibit intelligent behaviour
- c) To measure a robot's efficiency
- d) To test a robot's speed

[b]

13. Which of the following is a commonly used robot operating system?

- a) ROS
- b) Windows
- c) Android
- d) iOS

[a]

14. What is the role of AI in predictive maintenance for robots?

- a) To repair robots automatically
- b) To predict when a robot is likely to fail
- c) To improve robot speed
- d) To enhance robot communication

[b]

Department of Computer Science and Engineering

15. Which of the following is NOT a component of a typical robot?

- a) Actuator b) Sensor c) Database d) Control system

16. What does NLP (Natural Language Processing) enable in a robot?

- a) Understanding and generating human language b) Controlling mechanical movements
c) Processing numerical data d) Storing vast amounts of data

17. Which AI technique is used in facial recognition systems?

- a) Neural networks b) Decision trees c) Linear regression d) K-means clustering

18. What is the primary advantage of using AI in robotics?

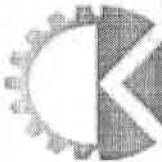
- a) Decreased cost of production b) Increased computational speed
c) Enhanced decision-making and adaptability d) Reduced need for sensors

19. What is the purpose of deep learning in AI?

- a) To increase data storage b) To create complex algorithms
c) To improve data processing speed d) To model complex patterns in data

20. In the context of AI and robotics, what is a 'smart' robot?

- a) A robot that can operate autonomously and adapt to new situations *[a]*
b) A robot that can be programmed quickly
c) A robot that is lightweight and portable
d) A robot that requires minimal energy



Department of Computer Science and Engineering

Ac

18
20

Name of the Student: Maipak Koushik Year: 2023 Max marks: 20

Answer all the questions and each one carries equal marks.

1. What is the primary goal of artificial intelligence?

- a) To replace humans
- b) To simulate human intelligence
- c) To create physical robots
- d) To process large amounts of data

b

2. Which of the following is NOT a type of machine learning?

- a) Supervised learning
- b) Unsupervised learning
- c) Reinforcement learning
- d) Instructional learning

cl

3. In the context of robotics, what is an actuator?

b

- a) A sensor used to measure distance
- b) A device that moves or controls a mechanism
- c) The brain of the robot
- d) A software algorithm

4. Which algorithm is commonly used in AI for decision-making in robotics?

- a) K-Nearest Neighbours
- b) Q-learning
- c) Linear Regression
- d) Decision Trees

cl

5. What is the role of a sensor in a robot?

- a) To process information
- b) To perform actions
- c) To sense the environment
- d) To store data

cl

6. Which programming language is most commonly used in AI and robotics?

- a) Python
- b) Java
- c) C++
- d) Ruby

cl

7. What is the purpose of a neural network in AI?

- a) To manage hardware resources
- b) To mimic the human brain's processing
- c) To control robotic movement
- d) To store data

cl



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8. In robotics, what does the term 'autonomy' refer to?

- a) The robot's ability to recharge itself
- b) The robot's ability to operate without human intervention
- c) The robot's ability to follow simple instructions
- d) The robot's ability to communicate

b

9. Which type of learning algorithm would be most appropriate for teaching a robot to navigate a maze?

- a) Supervised learning
- b) Unsupervised learning
- c) Reinforcement learning
- d) Transfer learning

C

10. What does 'computer vision' allow a robot to do?

- a) Communicate with other machines
- b) Understand and interpret visual information
- c) Generate human-like responses
- d) Manage data storage

b

11. Which of the following is a common challenge in robotics?

- a) Low processing speed
- b) Limited sensor technology
- c) High data storage costs
- d) Unpredictable environments

C

12. What is the Turing Test used for?

- a) To test a robot's physical strength
- b) To evaluate a machine's ability to exhibit intelligent behaviour
- c) To measure a robot's efficiency
- d) To test a robot's speed

b

13. Which of the following is a commonly used robot operating system?

- a) ROS
- b) Windows
- c) Android
- d) iOS

q

14. What is the role of AI in predictive maintenance for robots?

- a) To repair robots automatically
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- c) To improve robot speed
- d) To enhance robot communication

b



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A TWO WEEKS Certification Course on "Artificial Intelligence with Robotics"

Grade Sheet

S.No	Name of the student	Year	Grade
1.	ALUGOJU SANTHOSH	II YEAR	A
2.	ARELLA NANDA KISHORE GOUD	II YEAR	A
3.	B VISHAL	II YEAR	A
4.	BAKKANNAGARI SRI VARSHITH GOUD	II YEAR	B
5.	BANDA YADAGIRI	II YEAR	B+
6.	BANDI VARSHITHA	II YEAR	A+
7.	BATHINI RAMYA	II YEAR	B
8.	BATTULA PRADEEP	II YEAR	B
9.	BILLA MARK PRABHU PAUL	II YEAR	B
10.	BOMMAGANI SHIVAKUMAR	II YEAR	B+
11.	BOMPALLY SARWAN	II YEAR	A+
12.	BOYALA MAHENDRA	II YEAR	A
13.	BURRI MANOHAR	II YEAR	A
14.	CHALLAMALLA NIKHIL REDDY	II YEAR	A
15.	CHENNAREDDY DIVYA	II YEAR	A
16.	CHAVAN ANIL HANUMANT	II YEAR	A+
17.	CHIDURALA SRIRAM	II YEAR	B
18.	CHIGULLAPALLY NARAHARI	II YEAR	B
19.	CHINTHALAPALLI RACHANA	II YEAR	B
20.	DAKKALI ASHOK KUMAR	II YEAR	A
21.	DAMODARA ANIL	II YEAR	A+
22.	DAVALGARI AKSHAYA	II YEAR	B
23.	DHAMMU SHRAVANI	II YEAR	B
24.	D BHARGAV SAI SHASHANK	II YEAR	B
25.	ESAM JANU	II YEAR	B+
26.	GANGAVARAPU SNEHITHA NAGA GIRIJA	II YEAR	B
27.	GUGULOTH SANTHOSH	II YEAR	B+



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28.	G NAVADEEP	II YEAR	A
29.	INDUKURI SATYA SAI NAGENDRA VARMA	II YEAR	B+
30.	J KOUSHIK	II YEAR	A
31.	J NANDINI	II YEAR	A
32.	JAMPELLY AJAY	II YEAR	A
33.	J NISHATH KUMAR	II YEAR	A+
34.	JOGU SIDDARTHA	II YEAR	A
35.	KAJA KARTHIK	II YEAR	A+
36.	KONDERU SIDDHARTH	II YEAR	A
37.	KUKKUDUVUV HARINATH	II YEAR	A
38.	LAKKIREDDY MOHANREDDY	II YEAR	B
39.	LAVANURU ROHITH	II YEAR	B
40.	LUNGARI AAKASH VARDHAN	II YEAR	A
41.	MALLAREDDY KARTHIK KUMAR REDDY	II YEAR	B
42.	MARNURI KEERTHAN	II YEAR	B+
43.	M.PRASANNA KUMARI	II YEAR	B
44.	MADDURI KAVYA	II YEAR	A
45.	MALAVATH RAGHUVeer	II YEAR	B+
46.	MALLANI UDAY	II YEAR	B
47.	MAMIDISHETTI SHRAVANI	II YEAR	B
48.	MERUVA DEVIKA	II YEAR	B+
49.	METTU HARIKA	II YEAR	B
50.	MOHAMMAD HASNAIN RAZA	II YEAR	B
51.	MOHAMMED ATAULLAH	II YEAR	B+
52.	MUNNURU SAIKUMAR	II YEAR	A+
53.	NAIKOTI SHIVA PRASAD	II YEAR	A
54.	NARNE BRAHMATEJASWANI	II YEAR	A
55.	NAYAN SHARMA	II YEAR	A+
56.	SRUTHI PENTYALA	II YEAR	A
57.	PISKY SRAVAN KUMAR	II YEAR	A
58.	POTHURAJU PRAVEEN	II YEAR	B
59.	P NAVEEN REDDY	II YEAR	B+



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60.	P KARTHIKEYA	II YEAR	A
61.	R MANISH	II YEAR	A
62.	R CHARAN KUMAR	II YEAR	A+
63.	RATHOD POOJITHA	II YEAR	B
64.	SAMUDALAPALEPU SRIGOURI	II YEAR	B
65.	SAHEEL YADAV	II YEAR	A
66.	SAKKARGE ROHITH KUMAR	II YEAR	A
67.	SANGE KAVERI	II YEAR	A+
68.	SHIVANOORI PAVAN KUMAR	II YEAR	A
69.	S ASHWITH REDDY	II YEAR	A
70.	SUNCHU NEHA	II YEAR	A
71.	S VARSHITH	II YEAR	A+
72.	SUZAIN FATIMA	II YEAR	B
73.	TEJAVATH THARUN	II YEAR	A
74.	THALARI NITHISH	II YEAR	A
75.	THIRUVAPATI SRIYA SRI	II YEAR	B
76.	T RAKESH	II YEAR	B+
77.	UPPALAPATI JAYASRI	II YEAR	A
78.	VELUKANTI NIHARIKA	II YEAR	B
79.	SHIRISHA VENGALI	II YEAR	B
80.	VINNAKOTA BAVYA PRASANNA	II YEAR	A
81.	Y.HARSHA VARDHAN REDDY	II YEAR	A
82.	YELIGETI AKSHITHA	II YEAR	A+
83.	AKULA ESHWAR KUMAR	II YEAR	A
84.	CHAKALI RAGHAVI	II YEAR	A+
85.	CHERUKU RAM JANARDHAN	II YEAR	A
86.	DOMATA VIGNESH	II YEAR	A
87.	JANAPATI GANESH	II YEAR	A+
88.	K SUNANDHA	II YEAR	B
89.	KURUMA CHANDU	II YEAR	B+
90.	MAMIDI NAVEEN	II YEAR	A
91.	MUDUNURI SAI SREEJA	II YEAR	A
92.	NADDI AJAY KUMAR	II YEAR	A+



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93.	NAGOTH DILIP CHOWDARY	II YEAR	A
94.	P.PUJITHA DIVYA MEGHANA SREE	II YEAR	A+
95.	P. GAYATHRI PRIYADARSHINI	II YEAR	A
96.	PONUGOTI SRI HARSHITHA	II YEAR	B
97.	SAVALI NARESH	II YEAR	B+
98.	Y.ABHILASH REDDY	II YEAR	A
99.	VUPPALA NEELESH	II YEAR	A+
100.	MACHARLA MUNJUNADHA	II YEAR	A
101.	ANJURI THARUN	II YEAR	B
102.	BAGIDA ANUSHA	II YEAR	B+
103.	CHITYALA NIKELENDRA	II YEAR	B
104.	GUMMADI ABINASH	II YEAR	A
105.	KEERTHI SANJANA	II YEAR	A+
106.	KUNDRA KUMAR RAJA	II YEAR	A
107.	PAMPARI SAI KUMAR	II YEAR	A+
108.	REHANA	II YEAR	B
109.	KUMMARI SAMPATH KUMAR	II YEAR	A
110.	M SRAVANTHI	II YEAR	A+
111.	MALLULA SHIVA SAI	II YEAR	A
112.	MATURI SHIVA KUMAR	II YEAR	A
113.	METHUKU JAYA PRAKASH REDDY	II YEAR	B+
114.	MIRYALA LINGASWAMY	II YEAR	B
115.	POKURI BHUVANESWARI	II YEAR	A
116.	SAMBRAM KALYANI	II YEAR	B+
117.	THATTEPALLY SRAVYA	II YEAR	B
118.	VALLEPU SANDHYA	II YEAR	A
119.	AKKAMGARI YASHWANT GOUD	III YEAR	A
120.	ALLIKANTI SAI PRANEETH	III YEAR	B+
121.	AMULA NARESH	III YEAR	B
122.	ANNAWAR VENU KUMAR	III YEAR	A
123.	BEERAPPAGARI SUSMITHA	III YEAR	A
124.	BHEEMANAPATI OM PRAKASH REDDY	III YEAR	A+



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125.	BODAPATLA PRAVALIKA	III YEAR	B
126.	BURRI RAGHUPATHI REDDY	III YEAR	A
127.	DATLA RUDRA VEERA ANJI PREM VARMA	III YEAR	B +
128.	DUBA SATHWIK RISHE	III YEAR	A
129.	EPPILI ASHOK	III YEAR	A +
130.	GAJENDRULU VASAVI	III YEAR	B
131.	GOVU SHIVA PRAKASH	III YEAR	B
132.	GUDDETI YUGANDHAR REDDY	III YEAR	A +
133.	HADWALA SAI CHANDANA	III YEAR	A
134.	JARUPLA RAHUL	III YEAR	B
135.	K JYOSHI	III YEAR	B +
136.	KALAGANTI THARUN	III YEAR	B
137.	KAMALA BHAVANI	III YEAR	A
138.	KESANAKURTHI MADHU GANESH	III YEAR	A +
139.	KODE DURGA PRASAD	III YEAR	A
140.	MANGATURTHI BHANU PRAKASH	III YEAR	A
141.	MARJODI NARASIMHA	III YEAR	A +
142.	MARPAK KAUSHIK	III YEAR	A
143.	MENDRU DHANUSH	III YEAR	A +
144.	MOHAMMED SAQLAIN ALI	III YEAR	A
145.	MOHD ADNANUDDIN	III YEAR	B
146.	MORUGULA BHAVANI PRASAD	III YEAR	B
147.	NAKKA PANKAJ KUMAR	III YEAR	B +
148.	NARRA NANDINI	III YEAR	B
149.	PACHIPALA ANUSHA SRI	III YEAR	A
150.	PANJALA SAHARIKA	III YEAR	A
151.	POLA SRIKAR	III YEAR	A
152.	POLISETTI SWAROOPA RANI	III YEAR	A +
153.	RAYISHETTI SURENDER	III YEAR	A
154.	SHANTI SHARMA	III YEAR	A
155.	THOTA GAYATHRI	III YEAR	B
156.	TUMMALA BHARATH	III YEAR	B +



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157.	VALLALA LOHITHASHYA	III YEAR	A
158.	VASA BHAGYA LAXMI	III YEAR	A
159.	YALAVARTHI CHARAK BHAIKAR	III YEAR	B+
160.	N SAI YASHWANTH KRISHNA	III YEAR	B
161.	BAIPOTHU AKHIL KUMAR	III YEAR	B+
162.	BRAHMA TEJA BOLLINENI	III YEAR	A
163.	GAJULA NAGA VENKATA SAI SRI RAM	III YEAR	A+
164.	KUMARI BHIMESH	III YEAR	B+
165.	CHENCHU SWATHI	III YEAR	A
166.	SURABHI NANDINI	III YEAR	A
167.	VEMPATI SAI SUPRAJA	III YEAR	B+
168.	KALIKITHI SINDHUJA	III YEAR	B
169.	ALLADA PARVEEN KUMAR	III YEAR	A
170.	GADDAM RITWIK REDDY	III YEAR	A
171.	BHETALAM HARI KRISHNAM RAJU	III YEAR	A+
172.	MOHAMMAD SALAHUDDIN	III YEAR	B
173.	MATETI NEHA	III YEAR	B+
174.	PONUGOTI ABHINAVRAO	III YEAR	A
175.	TEJ ABHIRAM G	III YEAR	A
176.	VADLA SRINITHA	III YEAR	A
177.	VANAM SUSHMITHA	III YEAR	B+
178.	VELIVELA HARSHITHA SAI	III YEAR	A
179.	KALIDINDI MANI SANJITHA	III YEAR	B
180.	GURUGARI PUJITHA	III YEAR	B+
181.	RANGISSETTI RAMYA	III YEAR	A
182.	MEKALA BHARGAVI	III YEAR	A+
183.	SHAMALA DEEPIKA	III YEAR	A
184.	JANGETI MADHURI	III YEAR	B+
185.	MOHD ABDUL MUQEETH	III YEAR	A
186.	VALSA SHREYA	III YEAR	B+
187.	MEKALA PURNIMA	III YEAR	B
188.	VEMAGOTI ANKITHA	III YEAR	A



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189.	DEVARAPALLI VIJAYA BABU	III YEAR	A+
190.	BODA NITHIN GOUD	III YEAR	B
191.	KAMISSETTI VEERA MALLESWARA RAO	III YEAR	B
192.	MENTA LAHARI	III YEAR	B
193.	K POOJALATHA	III YEAR	A
194.	YOGESH GUPTA	III YEAR	A
195.	MOOLA ASHRITH KUMAR	III YEAR	B+
196.	MADDILA RAJ KUMAR	III YEAR	A
197.	BHAMINI SAI RAM SUMANTH	III YEAR	B+
198.	TODETI SWETHA	III YEAR	A
199.	BALAGANI SAIKUMAR	III YEAR	B+
200.	NASOLA VYSHALI	III YEAR	A
201.	SHIVA BARIK	III YEAR	A
202.	KOTHAPETA SAI KUMAR	III YEAR	A+
203.	THUMKUNTA BHARATHKUMAR	III YEAR	B
204.	ALETI HEMANTH REDDY	III YEAR	A
205.	THATI AKSHAYA	III YEAR	A
206.	B LOKESH GOUD	III YEAR	A
207.	LALTU GHOSH	III YEAR	A+
208.	A NIKHIL KUMAR	IV YEAR	B
209.	AAVU BHAVANI	IV YEAR	B
210.	ADAMA PRANAY KUMAR	IV YEAR	B
211.	ANUJ KUMAR	IV YEAR	B
212.	ATYAM MONIKA	IV YEAR	B
213.	AVULA KISHORE	IV YEAR	A
214.	BATTULA SAI	IV YEAR	A
215.	BODDU SHARAT CHANDRA SAI	IV YEAR	A
216.	BRAHMANAPALLI ANURAG GOUD	IV YEAR	A+
217.	BUDDHARAJU LAKSHMI SATHVIKA	IV YEAR	B
218.	CH RITHIK KUMAR	IV YEAR	B
219.	CHAITANKER YASHWANTH	IV YEAR	A
220.	CHAVAGANI RAMATULASI	IV YEAR	A+



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221.	CHIKOTI BHARATH KUMAR	IV YEAR	A
222.	D SAI DURGA PRASAD	IV YEAR	B+
223.	DIVILI DURGA RAO	IV YEAR	A
224.	DRONADULA NAGA RAJENDRA	IV YEAR	A+
225.	DUNABOYINA LATHA SRINIWAS RAO	IV YEAR	B
226.	GADDAM SAI TANISHQ CHOUDAY	IV YEAR	B+
227.	GANGONI VISHNU VARDHAN	IV YEAR	B
228.	GARREPALLY PAVITHRA	IV YEAR	B+
229.	JALIGAPU AKSHAYA SUMANA	IV YEAR	A
230.	K VENU	IV YEAR	A
231.	KANCHETI SAMJANA	IV YEAR	A+
232.	KANDOOR SNEHA	IV YEAR	B
233.	KARANGULA ARUN KUMAR	IV YEAR	B
234.	KARETI LAKSHMI MOUNIKA	IV YEAR	B+
235.	KATLA SAI LOUSHIK	IV YEAR	A
236.	KOLLA CHANDAN	IV YEAR	A+
237.	KOLLI GAYATRI	IV YEAR	A
238.	KOLUKULA RAJU	IV YEAR	B+
239.	KONDISETTY NAGA VAMSI	IV YEAR	A
240.	M LAKSHMI PRIYANKA	IV YEAR	A
241.	MADDINENI VENKATA SHIVA SAI RUTHWIK	IV YEAR	A
242.	MAMINDLA RAGHU	IV YEAR	B
243.	MANDA SREEJA	IV YEAR	B+
244.	MANDAVA SAIRAMYA	IV YEAR	B
245.	MATHARI GLORY	IV YEAR	A
246.	MIRZA AYMAN BAIG	IV YEAR	A
247.	MUDDHANGULA VENKATESH	IV YEAR	A
248.	MUGANOOR SUDHEER	IV YEAR	A
249.	MULTIM SAI PRIYA	IV YEAR	A+
250.	NANDAGIRI KOUSHIK	IV YEAR	A
251.	PALLA ROHITH KUMAR	IV YEAR	A+
252.	PATLOLLA YASHWANTH	IV YEAR	A



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253.	PEDDAPATLOLLA NIKITHA	IV YEAR	B
254.	PILLI VINITHA	IV YEAR	B
255.	PRINCE SHARMA	IV YEAR	A
256.	PULKUNTA NARASIMHA NIKHIL	IV YEAR	A
257.	RACHABATTUNI ADITYA	IV YEAR	B+
258.	RAKESH BHAVANAND	IV YEAR	A
259.	RAVADA HEMANTH SAI PHANI KUMAR	IV YEAR	A
260.	SALAGRAMA BHARATH KUMAR	IV YEAR	A+
261.	SERIKAR AKHIL	IV YEAR	A
262.	SHAIK ARSHIYA	IV YEAR	A
263.	SHAIK HARSHAD	IV YEAR	B+
264.	SUNKOJU DHARANI	IV YEAR	B
265.	SYED ILYAS	IV YEAR	B
266.	THIPPARTHI ASHWINI	IV YEAR	A
267.	THOTA KURUMURTHI	IV YEAR	A
268.	U SAI KUMAR	IV YEAR	B+
269.	URLAM VAMSHI SWAROOP	IV YEAR	B
270.	VOMA PAVANKALYAN	IV YEAR	B
271.	YARAMANENI SAKETH CHOWDARI	IV YEAR	A+
272.	YELALA PRANAVI	IV YEAR	A
273.	KUMPATI PRASHANTH KUMAR	IV YEAR	A
274.	BATHURI SAI KIRAN	IV YEAR	A+
275.	BONAKURTHI KALYAN CHAKRAVARTHI	IV YEAR	B
276.	EEDUNOORI VANI	IV YEAR	B
277.	GANJI NAVEEN	IV YEAR	B+
278.	GUNDABOINA MAHESHWARI	IV YEAR	A
279.	JANAGAM SHASHANK	IV YEAR	A
280.	KATLA SHYAM	IV YEAR	A
281.	KURIMINDLA ACHYUTH KUMAR	IV YEAR	A+
282.	MARADANI NAGARAJU	IV YEAR	B
283.	MOHAMMAD YASEEN	IV YEAR	B
284.	MONALISA MUDULI	IV YEAR	B



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285.	MORTALA SHIVA REDDY	IV YEAR	B
286.	MUDIGONDA PRAVEEN	IV YEAR	A
287.	POCHAMALA JAYANTH	IV YEAR	A+
288.	R.VEDHANTH	IV YEAR	A
289.	VAJJAKESHAVA TEJA	IV YEAR	B+
290.	VANGARI NIKHIL	IV YEAR	B
291.	SUNIL KUMAR	IV YEAR	A
292.	THUMMARI BHUVANESHWARI	IV YEAR	A+

A handwritten signature in blue ink, appearing to read "R. Raja".

Program Coordinator

A handwritten signature in blue ink, appearing to read "J. P. M. Watson".

HoD (CSE Department)



DRK Institute of
Science and Technology
(Approved by AICTE & Affiliated to JNTUH)
BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

✓ Mr./Miss DUBA SATHWIK RISHE

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

“ARTIFICIAL INTELLIGENCE WITH ROBOTICS”

ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FROM 30/10/2023 TO 11/11/2023

CO-ORDINATOR


HOD


PRINCIPAL
PRINCIPAL

DRK Institute of Science & Technology
Bowrampet, Qutubullapur,
Hyderabad - 500 043.



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BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss MARPAK KAUSHIK

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

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FROM 30/10/2023 TO 11/11/2023

CO-ORDINATOR


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Hyderabad - 500 043:



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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss SHANTI SHARMA

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss PACHIPALA ANUSHA SRI

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss NARRA NANDINI.

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

“ARTIFICIAL INTELLIGENCE WITH ROBOTICS”

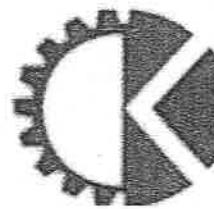
ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FROM 30/10/2023 TO 11/11/2023

CO-ORDINATOR

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PRINCIPAL

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Hyderabad - 500 043.



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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss R. VEDHANTH

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

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ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FROM 30/10/2023 TO 11/11/2023

CO-ORDINATOR


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Hyderabad - 500 043.



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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

✓ Mr./Miss SUNIL KUMAR

HAS PARTICIPATED IN A TWO WEEK CERTIFICATE PROGRAM ON

“ARTIFICIAL INTELLIGENCE WITH ROBOTICS”

ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FROM 30/10/2023 TO 11/11/2023

CO-ORDINATOR

J. P. Mous
HOD

L. R. Sriniv
PRINCIPAL
PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Quthbullaipur,
Hyderabad - 500 043.



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(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur, Medchal, Hyd-500043)

Department of Computer science and Engineering

FEEDBACK FORM

Course Title: A Two-weeks Certification Course on Artificial Intelligence with Robotics

Course Code: 2023CSE01

Name of the Participant: *Chanchu Swathi*

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics	✓			
Duration of course was appropriate		✓		
Course met the overall expectations	✓			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		

Swathi
Signature of the Participant



(Approved by AICTE & Affiliated to JNTUH)
(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department of Computer science and Engineering

FEEDBACK FORM

Course Title: A Two-weeks Certification Course on Artificial Intelligence with Robotics

Course Code: 2023CSE01

Name of the Participant: Yelala Pranavi

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant		✓		
The amount of material covered was sufficient	✓			
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate		✓		
Course met the overall expectations			✓	

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		

Y. Pranavi
Signature of the Participant



(Approved by AICTE & Affiliated to JNTUH)
(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department of Computer science and Engineering

FEEDBACK FORM

Course Title: A Two-weeks Certification Course on Artificial Intelligence with Robotics

Course Code: 2023CSE01

Name of the Participant: K. Jyothini

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics	✓			
Duration of course was appropriate	✓			
Course met the overall expectations		✓		

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject		✓		
Faculty have good command over the course contents		✓		
The content was clearly explained		✓		
Queries and doubts were cleared by faculty	✓			

Signature of the Participant



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

Department of Computer Science and Engineering (AI&ML)

DATE:05/10/2023

Ref.No: DRKIST/CSM/AOP/2023-24/01

CIRCULAR

Department of CSE (AI&ML) organizing "**A Two-Week Certification Course on Cloud Computing with AWS**" for CSE(AI&ML) branch students. Interested students can enroll their names to Mrs.N.Sowjanya on or before 19/10/2023. Certificates will be issued to the students after successful completion of the course. The detail contents of the course and other information is attached herewith.

S.NO	Name of the Course	Date of Commencement	Venue
1	A Two-week Certification Course on Cloud Computing with AWS	06/11/2023	Seminar Hall, Room No:003

Copy to

1. Office Room.
2. Exam Cell.
3. Head of CSE(AIML) Dept.
4. Head of CSE Dept.
5. Head of CSE(DS) Dept.
6. Head of ECE Dept.
7. Head of EEE Dept.
8. Head of Mech Dept.
9. Head of MBA Dept.

line
Principal
PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Qutubullapur, Hyderabad-500 043.



ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao, who founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D.B. Chandra Sekhar Rao, a distinguished entrepreneur, established the institute with a commitment to high-quality education, aiming to contribute to the nation's economic and industrial growth. As part of the DRK Educational Society, the institute has invested significantly in infrastructure, academic resources, and career development, fostering a dynamic learning environment that enhances students' conceptual and technical skills for modern challenges.

ABOUT THE CSE DEPARTMENT

The Department of Computer Science and Engineering (AI&ML) at DRK Institute of Science and Technology was established in 2020 and offers undergraduate programs to students from both urban and rural areas across India. It boasts well-equipped computing laboratories and a comprehensive range of software and hardware applications. Emphasizing fundamental learning and the latest technologies, the department fosters creativity by encouraging students to engage in projects of varying complexity. DRK values this field highly and supports it by offering a dedicated course.

ABOUT THE CERTIFICATION PROGRAM

A certificate program for Cloud Computing with AWS is designed to provide comprehensive education and hands-on experience in cloud computing using Amazon Web Services (AWS). These programs typically target professionals seeking to enhance their cloud skills, as well as individuals aiming to pursue a career in cloud computing.

TOPICS TO BE COVERED

- Introduction to Cloud Computing and AWS
- AWS Compute Services
- AWS Storage Services
- AWS Networking Services
- AWS Security and Identity
- AWS Database Services
- AWS Management Tools
- AWS Management Tools
- Machine Learning and AI on AWS
- Advanced Compute and Container Services
- AWS Cost Management and Optimization

A TWO- WEEK CERTIFICATION COURSE ON

CLOUD COMPUTING WITH AWS

06TH NOVEMBER 2023 TO
18TH NOVEMBER 20223

**Organized by CSE(AI&ML)
Department**



BOWRAMPET (V), VIA AIRFORCE ACADEMY,
HYDERABAD-500043
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Website: www.drikist.edu.in (Approved by AICTE,
Affiliated to JNTUH)

Chief Patron

Sri. D. B Chandra Shekara Rao
Chairman

Patrons

Sri D. Santosh
Secretary

Sri D. Sriram
Treasurer

Dr. K. Venkata Subbaiah
Principal

Coordinator
Mrs. N. SOWJANYA
Assistant Professor, CSE

Mr. K. PRAVEEN
HOD CSE(AI&ML)

ADDRESS FOR COMMUNICATION

Mrs. N. SOWJANYA
Coordinator, CSE, Assistant
Professor 9100346457
sowjanyaappugunduri@gmail.
com

REGISTRATION DETAILS



REGISTRATION FORM

A TWO-WEEK CERTIFICATION COURSE ON CLOUD COMPUTING WITH AWS

Name: Mr. /Ms.: _____

Reg. No: _____

Department: _____

Organization: _____

Address: _____

Phone No: _____

Email: _____

Signature of Participant



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043
Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

Department of Computer Science and Engineering (AI&ML)

“A Two - Week Certification Course on Cloud Computing with AWS”

Sr. No		Topics to be covered
1.	Introduction and AWS Services	Day1: Introduction to Cloud Computing and AWS
2.		Day2: AWS Compute Services
3.		Day3: AWS Storage Services
4.		Day 4: AWS Networking Services
5.		Day 5: AWS Security and Identity
6.		Day 6: AWS Database Services
7.	Advanced Techniques and Applications.	Day 7: AWS Management Tools
8.		Day 8: AWS Developer Tools
9.		Day 9: Machine Learning and AI on AWS
10.		Day 10: Advanced Compute and Container Services
11.		Day11: AWS Cost Management and Optimization
12.		Day 12: Final Project and Review

Program Coordinator

HoD CSE(AI&ML)

Principal

PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Qutubullapur, Hyderabad-500 0



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

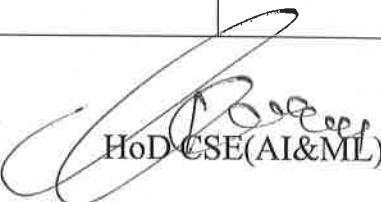
Department of Computer Science and Engineering (AI&ML)

“A Two - Week Certification Course on Cloud Computing with AWS”

Sr. No	Content	DATE
1.	<p>Day 1: Introduction to Cloud Computing and AWS</p> <ul style="list-style-type: none">• Types (IaaS, PaaS, SaaS), Benefits, and Use Cases.• Overview of AWS: History, Global Infrastructure, and Core Services.• Setting Up an AWS Account: Free Tier, Billing, and Cost Management.• Introduction to the AWS Management Console and AWS CLI.	06/11/2023
2.	<p>Day 2: AWS Compute Services</p> <ul style="list-style-type: none">• Deep Dive into Amazon EC2: Instances, AMIs, EBS, and Security Groups.• Launching and Managing EC2 Instances.• Introduction to AWS Lambda: Event-Driven Computing and Use Cases.• Creating and Deploying Your First Lambda Function.	07/11/2023
3.	<p>Day 3: AWS Storage Services</p> <ul style="list-style-type: none">• Overview of Amazon S3: Buckets, Objects, and Storage Classes.• Hands-On with S3: Creating Buckets, Uploading and Managing Objects.• Introduction to Amazon EBS and Amazon EFS: Block Storage and File Storage.• Using EBS with EC2 Instances.	08/11/2023
4.	<p>Day 4: AWS Networking Services</p> <ul style="list-style-type: none">• Understanding Amazon VPC: Subnets, Route Tables, and Internet Gateways.• Creating and Configuring a VPC.• Overview of AWS Route 53: DNS and Domain Registration, Setting Up Domain Name Routing with Route53	09/11/2023

5.	<p>Day 5: AWS Security and Identity</p> <ul style="list-style-type: none"> • Introduction to AWS IAM: Users, Groups, Roles, and Policies. • Hands-On with IAM: Creating Users, Roles, and Policies. • Overview of AWS Security Services: AWS Shield, WAF, and AWS KMS. • Implementing Security Best Practices on AWS. 	10/11/2023
6.	<p>Day 6: AWS Database Services</p> <ul style="list-style-type: none"> • Introduction to Amazon RDS: Relational Databases on AWS. • Setting Up an RDS Instance. • Overview of Amazon DynamoDB: NoSQL Database Service. • Hands-On with DynamoDB: Creating Tables and Performing CRUD Operations. 	11/11/2023
7	<p>Day 7: AWS Management Tools</p> <ul style="list-style-type: none"> • Overview of AWS CloudFormation: Infrastructure as Code. • Creating and Deploying CloudFormation Templates. • Introduction to AWS CloudWatch: Monitoring and Logging. • Setting Up Alarms and Dashboards in CloudWatch. 	13/11/2023
8	<p>Day 8: AWS Developer Tools</p> <ul style="list-style-type: none"> • Introduction to AWS Code Commit: Source Control. • Setting Up and Using a Code Commit Repository. • Overview of AWS Code Build and Code Deploy. • Creating a CI/CD Pipeline with Code Pipe line. 	14/11/2023
9	<p>Day 9: Machine Learning and AI on AWS</p> <ul style="list-style-type: none"> • Introduction to Amazon Sage Maker: Machine Learning Workflows. • Creating and Training a Model in Sage Maker. • Overview of AWS Recognition and AWS Lex. • Building a Simple Application with Recognition or Lex. 	15/11/2023
10	<p>Day 10: Advanced Compute and Container Services</p> <ul style="list-style-type: none"> • Introduction to Amazon ECS and EKS: Container Orchestration. • Deploying a Simple Application with ECS. • Overview of AWS Fargate: Serverless Containers. 	16/11/2023
11	<p>Day 11: AWS Cost Management and Optimization</p> <ul style="list-style-type: none"> • Understanding AWS Pricing Models and Cost Management. • Using AWS Cost Explorer and Trusted Advisor. • Understanding AWS Pricing Models and Cost Management. 	17/11/2023
12	<p>Day 12: Final Project and Review</p> <ul style="list-style-type: none"> • Review of Key Concepts and Services Covered. • Planning a Final Project: Designing an AWS Architecture for a Sample Application. • Implementing the Final Project. 	18/11/2023


Program Coordinator


HoD CSE(AI&ML)



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043
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Department of Computer Science and Engineering (AI&ML)

"A Two – Week Certification Course on Cloud Computing with AWS"

Signature Sheet

S. No	Name of the student	YEAR	Signature
1	AFSHIYA TAHREEN	IVYEAR	Afsh
2	ANITHA KUMARI	IVYEAR	Anitha
3	BHEEMANI SAI VAISHNAVI	IVYEAR	Vishnavi
4	GODHUMALA PRALAJ KUMAR	IVYEAR	vai p talai
5	GOLLA NAVEEN KUMAR	IVYEAR	Naveen
6	GOLLAPUDI SUMITH	IVYEAR	G. Sumith
7	GUDURE NAVEEN	IVYEAR	Sc. Naveen
8	GUNDU PRAMODINI	IVYEAR	Pramod
9	JANA CHANDRAMOULI NAGADURGA SAI MANIKANTA	IVYEAR	Chandramouli
10	KASALA RUCHITHA	IVYEAR	Ruchitha.
11	KILARI NAGA TEJA	IVYEAR	Teja
12	KONGA SONI	IVYEAR	K. Soni
13	MAARKA NARAHARI	IVYEAR	Narahari.
14	MANDALOJU SARITHA	IVYEAR	Sarifa
15	MATTAM VENKATA SURYA TARUN	IVYEAR	Tarun
16	MERUGUMALA JEEVAN	IVYEAR	Jeevan
17	MINUKURI MAHENDAR REDDY	IVYEAR	My
18	MYGAPULA SATYA ABHIJEET	IVYEAR	Satya
19	NAGARAPU SAICHARAN LAKSHMAN	IVYEAR	Saicharan
20	NAINALA ARUN	IVYEAR	N. Arun.

21	NAINALA THARUN	IVYEAR	Tharu-
22	NAYADU SAIDEEP KUMAR	IVYEAR	Sai - Siddesh
23	NUTAKKI CHANDRA SEKHARA KRISHNA AKASH	IVYEAR	Krishna Akash
24	PAILA SAI PRAKASH	IVYEAR	Sai Prakash
25	PAPPULA PRAGNYA SRI SAI	IVYEAR	Pragnya Sri
26	PUDURU SAITEJA	IVYEAR	Sai Teja
27	PURRA SRIKANTH	IVYEAR	Srikanth
28	RAVELLA SWETHA	IVYEAR	R. Swetha
29	SHAIK AHAMMAD RAZA	IVYEAR	Ahmed
30	SINGARAPU HARICA	IVYEAR	Hari
31	SINGOUGI NAGA RAJU	III YEAR	Naga Raju
32	TASNEEM UNNISA	III YEAR	Tasneem
33	YERRA SRIKANTH	III YEAR	Srikanth
34	YUVRAJ SINGH	III YEAR	Yuvraj Singh
35	AAKULA PRAVEEN KUMAR	III YEAR	Praveen
36	BAKKA CHANDRAKALA	III YEAR	Chandra
37	KUNTA DAYAKAR	III YEAR	K. Dayakar
38	NARALA SHRAVAN KUMAR	III YEAR	Shravan Kumar
39	ONDRI RAVALI	III YEAR	Raval
40	PEBBETI PRAMEELA	III YEAR	Pramela
41	VADLA PRASHANTH	III YEAR	Prash..
42	TELLAMALLA VIJAY SEKHAR	III YEAR	T. Vijay Sekhar
43	AKASAPU GEETHIKA	III YEAR	Geethika
44	AZHAR UDDIN	III YEAR	Azhar
45	CHENCHU LAXMI SHIVA KISHORE	III YEAR	C.L.S. Kishore
46	DUDDUKURI VENKATA SAI CHARAN	III YEAR	Charan
47	ERRALA ARTHI	III YEAR	Arthy
48	GADDE RASAGNA	III YEAR	G. Rasagna

49	GATTUPALLY SONY	III YEAR	Sony
50	GATTUPALLY SUBBU	III YEAR	Subbu
51	GOPAL SINGH	III YEAR	Gopal Singh
52	GUTTAMIDA KARTHIK	III YEAR	Karthik
53	JALIGAMA RAJESHWARAI	III YEAR	Rajeev
54	JETLA NAVEEN	III YEAR	Neeraj
55	JINDHAM HARSHINI	III YEAR	Harshini
56	KANCHI VEENA	III YEAR	Veena
57	KATUKOJWALA ANNAPURNA	III YEAR	Annapurna
58	KAVVAMPALLY SRIJA	III YEAR	Srija
59	KOTTE NITHIN	III YEAR	Nithin
60	LANKALA DHARANI	III YEAR	Dharani
61	MADDI ANJALI	III YEAR	Anjali
62	MAKAM MEGHANA	III YEAR	Meghana
63	MOHAMMED AZIZ	III YEAR	Aziz
64	MOHD JILANI	III YEAR	M. Jilani
65	MUTHARAGALLA NEERAJ	III YEAR	Neeraj
66	MUTHANNA PRUDHVI	III YEAR	M. Prudhvin
67	NADIMPALLY BHAVANYA	III YEAR	Bhavanya
68	NYALAPATLA RAHUL KUMAR REDDY	III YEAR	Rahul
69	PACHIKA SOWMYA	III YEAR	Sowmya
70	RAMANOLLA SHIRISHA	III YEAR	Shirisha
71	RAYARAPU CHANDANA	III YEAR	Chandana
72	REDDAMAINA POOJITHA	III YEAR	Poojitha
73	SINGOTAM VAISHNAVI	III YEAR	Vaishnavi
74	T MAHESH	III YEAR	T. Mahesh
75	THARIGOPPULA RAVITEJA	III YEAR	Raviteja
76	VELPULA ADITHYA RAHUL	III YEAR	V. Rahul
77	VISHNUPATRUNI TANUJA	III YEAR	Tanuja
78	VODNALA VENKATASAI VIKRAMADITYA	III YEAR	V. Venkatasai
79	YANAGANTI NISHITHA	III YEAR	Nishitha
80	T HIMASREE	III YEAR	T. Himasree
81	KASIKURTHI JATHIN	III YEAR	Jathin
82	KATREVPALLI SAISAGAR AJAYKUMAR	III YEAR	Ajay Kumar

83	CH HARI SAI SANTHOSH	III YEAR	Ch Hari Sai Santhosh
84	SYED AMANSHOAIB	III YEAR	Aman Shoaib
85	PONNABOINI SUMANTH	III YEAR	P. Sumanth
86	KAVALI DINESH	III YEAR	Dinesh
87	ADIMULAM KRISHNA MANIKANTA	III YEAR	Manikanta
88	V VIVEK	III YEAR	Vivek
89	VAKKAVANTHULA SAHITHI	III YEAR	Sahithi
90	RAMAKA PRANAY	III YEAR	Pranay
91	KALLEDA SANDHYA	III YEAR	K. Sandhya
92	BANDA PRANAY KUMAR YADAV	III YEAR	B. Pranay
93	SILARI PRASHANTH	III YEAR	S. Prashanth
94	ALIFIYA	III YEAR	Alifiya
95	BASWARAJ SOWMITH	III YEAR	Sowmith
96	PICHAKUNTLA NITHIN	III YEAR	P. Nithin
97	UPPALA VENU	III YEAR	Venu
98	A TEJEENDRA	III YEAR	A. Tejendra
99	GURRAM SHIVANANDA	III YEAR	Shivananda
100	MERUGU PRAMOD KUMAR	III YEAR	M. Pramod Kumar
101	SUNKARI SRAVAN KUMAR	III YEAR	Sravan
102	SUSHMA GANNOJU	III YEAR	Sushma
103	RANGAGALLA NEERAJA	III YEAR	R. Neeraja
104	A. SHIVANI	II YEAR	A. shivani
105	AGURLA SARITHA	II YEAR	Saritha
106	ANDE HEMANTH	II YEAR	Hemanth
107	B. VIVEK	II YEAR	Vivek
108	SYED AMANSHOAIB	II YEAR	Syed Amanshoib
109	PONNABOINI SUMANTH	II YEAR	P. Sumanth
110	KAVALI DINESH	II YEAR	Dinesh
111	ADIMULAM KRISHNA MANIKANTA	II YEAR	Manikanta
112	V VIVEK	II YEAR	Vivek
113	VAKKAVANTHULA SAHITHI	II YEAR	Sahithi
114	RAMAKA PRANAY	II YEAR	Pranay
115	KALLEDA SANDHYA	II YEAR	K. Sandhya
116	BANDA PRANAY KUMAR YADAV	II YEAR	B. Pranay
117	B. VIVEK	II YEAR	Vivek B

118	BANDARUPALLY PAVANI	II YEAR	Pavani
119	B KARTHIK	II YEAR	Karthik
120	BELLARI SHIVA KRISHNA	II YEAR	S. Belluru Sh. Krishna
121	CHELUKALA LAVITHAREDDY	II YEAR	C. Lavitha
122	CHITYALA JHANSI	II YEAR	Ch. Jhansi
123	DAKURI ANUSHA	II YEAR	D. Anusha
124	DASARI NIKITHA	II YEAR	D. Nikitha
125	DIDDI PAVANI	II YEAR	Pavani
126	DONGALA DILIP REDDY	II YEAR	D. Dilip Reddy
127	GANDUPALLI ANITHA	II YEAR	G. Anitha
128	GANGANA BOINA VINAY	II YEAR	G. Vinay Kumar
129	GANTA NIKITHA	II YEAR	G. Nikitha
130	GODUGU SINDHUJA	II YEAR	G. Sindhuja
131	GUDURU KISHORE REDDY	II YEAR	G. Kishore Reddy
132	JAGANNATHAM KRISHNAVENI	II YEAR	J. Krishnaveni
133	KATEGAR MOUNIKA	II YEAR	Mounika
134	KAMASANI SAMPATH REDDY	II YEAR	S. Sampath
135	KATHALA UDAY KIRAN	II YEAR	Uday Kiran
136	KORLA SWATHI	II YEAR	Swathi
137	KOTHAKAPU JASHWANTHREDDY	II YEAR	J. Jashwant Reddy
138	MERUGU MAHESHWARI	II YEAR	M. Maheswari
139	MOHAMMED AJAZ AHMED	II YEAR	Ajaz Ahmed
140	MORRI PRASANNA	II YEAR	M. Prasanna
141	MOTHUKURI. TEJASWINI	II YEAR	M. Tejaswini
142	NAKKA MANOJ	II YEAR	Nakka Manoj
143	NAROJU DIVYA	II YEAR	D. Divya
144	NEELAM ABHI VRISHIN	II YEAR	N. Abhi Vrishi
145	NIMMALA PRANAY KUMAR GOUD	II YEAR	Pranay
146	PANDAV MONIKA	II YEAR	P. Monika
147	PASUPULETI SURYAVEERA CHITI RAJA ANUSHA	II YEAR	D. Anusha
148	PATHAPATI GAGAN VENKAT	II YEAR	G.
149	POTTI BAGANNAGARI HARISH GOUD	II YEAR	H. Harish
150	RANGAMPALLY NIKHITHA	II YEAR	N. Nikhitha
151	THALLA SURYAPRAKASH GOUD	II YEAR	Suryaprakash

152	UPPULA SRUJANA	II YEAR	<i>U. Srujana</i>
153	VITHANALA POOJITHA	II YEAR	<i>V. Poojitha</i>
154	KAMTANA SAMSON	II YEAR	<i>K. Samson</i>
155	ARRAVALLI SRIVALLI	II YEAR	<i>A. Srivalli</i>
156	ATTUNRU SAMPATH REDDY	II YEAR	<i>Sampathy</i>
157	BIND RINKA	II YEAR	<i>B. Rinka</i>
158	BUSARA NANDHINI	II YEAR	<i>Nandini</i>
159	GANDI RAMU	II YEAR	<i>G. Ramu</i>
160	KANDULA OM DURGA SAI	II YEAR	<i>O. Durga</i>
161	KONDAPUDI VIGNESH	II YEAR	<i>Vignesh</i>
162	MASUNA HEMANTH	II YEAR	<i>Hemanth</i>
163	NARAHARI MUKESH	II YEAR	<i>N. Mukesh</i>
164	PATNALA SHANMUKA SAI MANIKANTA	II YEAR	<i>Manikanta</i>
165	RAMAKA VINAY	II YEAR	<i>R. Vinay</i>
166	SAKA SONY PRIYANKA	II YEAR	<i>S. Priyanka</i>
167	SAMUDRALA SHISHMA	II YEAR	<i>S. Shishma</i>
168	SANKATI BHARGAVA REDDY	II YEAR	<i>Bhargava</i>
169	SANTHOSH KUMAR NAIK	II YEAR	<i>Kees</i>
170	SHAIK KHASIM	II YEAR	<i>S. Khasim</i>

D. Jayamya
Program Coordinator

J. B. Reddy
HoD CSE(AI&ML)



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Department of Computer Science and Engineering (AI&ML)

PROGRAM REPORT

1. Name of the Course	: A Two-Week Certification Course on Cloud Computing with AWS
2. Course Code	: 2023CSM01
3. Course Date	: 06-11-2023
4. Venue	: Seminar Hall, Room No-003
5. Name of Program Coordinator	: Mrs. N. Sowjanya
6. Number of the Students	: 170

DRK Institute of science and technology organized certificate program on “Cloud Computing with AWS” for B-tech CSE(AI&ML) students.

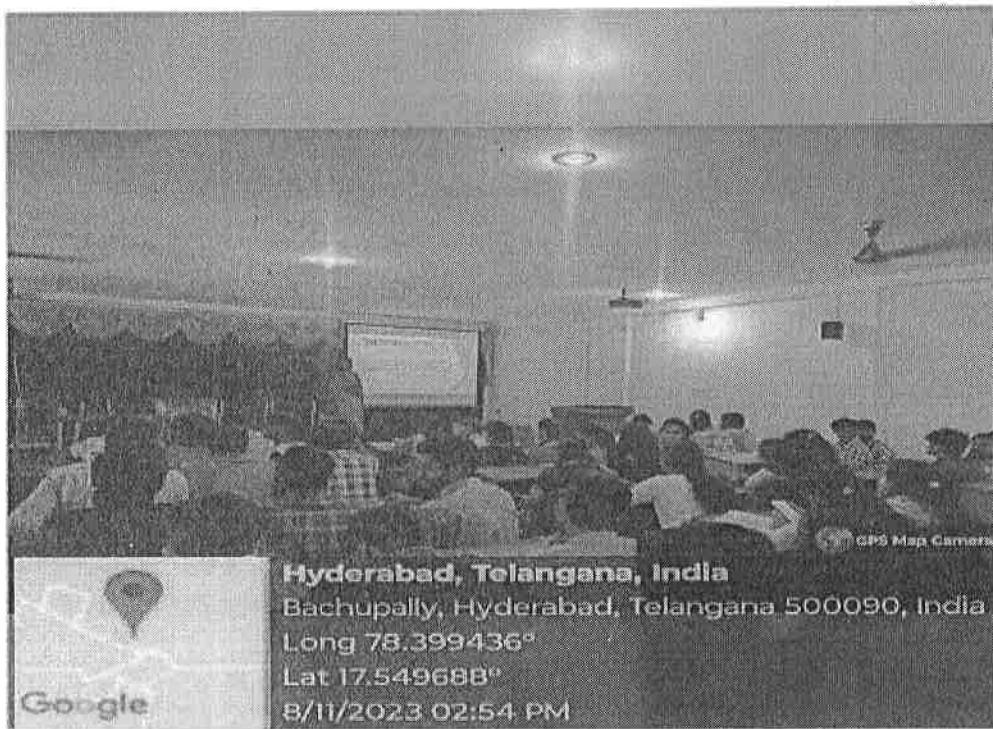
Cloud computing is the delivery of computing services-such as servers, storage, databases, networking, software, and analytics-over the internet to offer faster innovation, flexible resources, and economies of scale.

Objectives

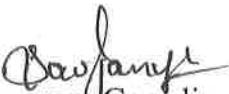
- Understand Cloud Computing Fundamentals
- Explore AWS Cloud Ecosystem
- Deploy and Manage AWS Resources
- Launch and Manage EC2 Instances
- Explore AWS Managed Database Services

Learning Outcomes

- Comprehend Core Cloud Concepts
- Recognize the Role of AWS
- Implement Auto-Scaling
- Store and Retrieve Data Using S3
- Monitor Resources with CloudWatch
- Deploy a Web Application



The course is very useful to the students and their feedback is positive. The management and principal of DRK institute of Science and Technology thanked the participants for making the program successful.


Program Coordinator


HoD CSE(AI&ML)


Principal
PRINCIPAL
DRK Institute of Science & Technology
Bowrampet, Qutubullapur, Hyderabad-500 043.



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Department of Computer Science and Engineering (AI&ML)

ATTENDANCE SHEET

“A Two - Week Certification Course on Cloud Computing with AWS”

147	PASUPULETI SURYAVEERA CHITTI RAJA ANUSHA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
148	PATHAPATI GAGAN VENKAT	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
149	POTTI BAGANNAGARI HARISH GOUD	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
150	RANGAMPALLY NIHITHA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
151	THALLA SURYAPRAKASH GOUD	II YEAR	A	A	A	A	A	A	A	A	A	A	A	A	A
152	UPPULA SRUJANA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
153	VITHANALA POOJITHA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
154	KAMTANA SAMSON	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
155	ARRAVALLI SRIVALLI	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
156	ATTUNRU SAMPATH REDDY	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
157	BIND RINKA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
158	BUSARA NANDHINI	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
159	GANDI RAMU	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
160	KANDULA OM DURGA SAI	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
161	KONDAPUDI VIGNESH	II YEAR	A	A	A	A	A	A	A	A	A	A	A	A	A
162	MASUNA HEMANTH	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
163	NARAHARI MUKESH	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
164	P SHANMUKA SAI MANIKANTA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
165	RAMAKA VINAY	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
166	SAKA SONY PRIYANKA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
167	SAMUDRALA SHISHMA	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
168	SANKATI BHARGAVA REDDY	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
169	SANTHOSH KUMAR NAIK	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P
170	SHAIK KHASIM	II YEAR	P	P	P	P	P	P	P	P	P	P	P	P	P

(Signature)
Program Coordinator

(Signature)
HoD CSE (AI & ML)



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Department of Computer Science and Engineering (AI&ML)

"A Two – Week Certification Course Test on Cloud Computing with AWS"

Name of the Student: K. Soni

Year: IV

Max marks:20

(P)

Answer All the Questions Each one carries equal Marks

1. Which of the following is a key benefit of cloud computing?
A) Increased hardware costs B) Scalability and elasticity
C) Limited global reach D) Inflexibility in resource management (B)
2. What is the primary purpose of Amazon EC2?
A) Object storage B) Virtual server hosting
C) Content delivery D) Relational database management (B)
3. Which AWS service is designed for scalable object storage?
A) Amazon RDS B) Amazon S3 C) Amazon EC2 D) AWS Lambda (B)
4. In AWS, which service would you use to create a virtual network?
A) Amazon VPC B) Amazon S3 C) AWS Lambda D) Amazon DynamoDB (A)
5. Which of the following services is a fully managed NoSQL database service?
A) Amazon RDS B) Amazon Redshift (C)
C) Amazon DynamoDB D) Amazon S3
6. Which AWS service provides monitoring and observability of your AWS resources and applications?
A) AWS CloudTrail B) Amazon CloudFront
C) AWS CloudWatch D) AWS Config (D)
7. Which AWS service would you use for a managed relational database?
A) Amazon S3 B) Amazon RDS C) Amazon ECS D) AWS Lambda (B)
8. What does AWS IAM stand for?
A) Identity and Access Management B) Internet Access Management
C) Internal Application Manager D) Integrated Access Module (A)
9. Which AWS service is best suited for hosting a static website?
A) Amazon EC2 B) AWS Lambda (C)
C) Amazon S3 D) Amazon RDS
10. What is the main benefit of using AWS Auto Scaling?
A) Reduces the size of your EC2 instances
B) Automatically adjusts the number of EC2 instances based on demand
C) Provides encryption for your data at rest
D) Automatically creates backups of your EC2 instances (B)

11. Which AWS service allows you to distribute content globally with low (B) latency?
A) AWS WAF B) Amazon CloudFront C) Amazon RDS D) Amazon S3
12. Which of the following is NOT a feature of Amazon S3?
A) Unlimited storage capacity B) Object versioning
C) Relational data storage D) Bucket-level access control (C)
13. What is the purpose of AWS CloudFormation?
A) To monitor application performance
B) To create and manage AWS resources using infrastructure as code
C) To deliver content with low latency
D) To store and retrieve data objects (B)
14. Which of the following services is serverless?
A) Amazon EC2 B) Amazon RDS
C) AWS Lambda D) Amazon VPC (C)
15. What type of storage is Amazon EBS best suited for? (B)
A) Archival storage
B) Temporary file storage
C) Block-level storage for EC2 instance
D) Object storage for static websites
16. Which AWS service helps with analysing large amounts of data quickly?
A) Amazon RDS B) Amazon Redshift
C) Amazon S3 D) AWS Lambda (B)
17. What is the purpose of AWS Identity and Access Management (IAM) roles?
A) To encrypt data in transit
B) To define a set of permissions for making AWS service requests (B)
C) To monitor user activity across AWS resources
D) To manage VPC networks
18. Which AWS service provides low-cost, long-term data storage?
A) Amazon S3 B) Amazon Glacier (A)
C) Amazon RDS D) Amazon EBS
19. Which of the following is an AWS managed service for Continuous Integration and Continuous Deployment (CI/CD)?
A) AWS CloudFormation B) Amazon S3
C) AWS Code Pipeline D) AWS IAM (C)
20. Which AWS tool helps you estimate the cost of using AWS services? (B)
A) AWS Cost Explorer B) AWS Pricing Calculator
C) AWS Budgets D) AWS Cost and Usage Reports



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Department of Computer Science and Engineering (AI&ML)

Grade Sheet

S. No	Name of the student	YEAR	GRADE
1	AFSHIYA TAHREEN	IV YEAR	A
2	ANITHA KUMARI	IV YEAR	B+
3	BHEEMANI SAI VAISHNAVI	IV YEAR	A+
4	GODHUMALA PRALAJ KUMAR	IV YEAR	B
5	GOLLA NAVEEN KUMAR	IV YEAR	B
6	GOLLAPUDI SUMITH	IV YEAR	B+
7	GUDURE NAVEEN	IV YEAR	A
8	GUNDU PRAMODINI	IV YEAR	A
9	JANA CHANDRAMOULI NAGADURGA SAI MANIKANTA	IV YEAR	A+
10	KASALA RUCHITHA	IV YEAR	A+
11	KILARI NAGA TEJA	IV YEAR	A
12	KONGA SONI	IV YEAR	A+
13	MAARKA NARAHARI	IV YEAR	B
14	MANDALOJU SARITHA	IV YEAR	B
15	MATTAM VENKATA SURYA TARUN	IV YEAR	A
16	MERUGUMALA JEEVAN	IV YEAR	A
17	MINUKURI MAHENDAR REDDY	IV YEAR	B
18	MYGAPULA SATYA ABHIJEET	IV YEAR	B
19	NAGARAPU SAICHARAN LAKSHMAN	IV YEAR	A
20	NAINALA ARUN	IV YEAR	A+
21	NAINALA THARUN	IV YEAR	A
22	NAYADU SAIDEEP KUMAR	IV YEAR	B
23	NUTAKKI CHANDRA SEKHARA KRISHNA AKASH	IV YEAR	A
24	PAILA SAI PRAKASH	IV YEAR	A
25	PAPPULA PRAGNYA SRI SAI	IV YEAR	A+

26	PUDURU SAITEJA	IV YEAR	A
27	PURRA SRIKANTH	IV YEAR	—ABSENT—
28	RAVELLA SWETHA	IV YEAR	A
29	SHAIK AHAMMAD RAZA	IV YEAR	B
30	SINGARAPU HARIKA	IV YEAR	A
31	SINGOUGI NAGA RAJU	IV YEAR	B
32	TASNEEM UNNISA	IV YEAR	A+
33	YERRA SRIKANTH	IV YEAR	B
34	YUVRAJ SINGH	IV YEAR	B
35	AAKULA PRAVEEN KUMAR	IV YEAR	B+
36	BAKKA CHANDRAKALA	IV YEAR	A+
37	KUNTA DAYAKAR	IV YEAR	A
38	NARALA SHRAVAN KUMAR	IV YEAR	B
39	ONDRU RAVALI	IV YEAR	B
40	PEBBETI PRAMEELA	IV YEAR	B
41	VADLA PRASHANTH	IV YEAR	B
42	TELLAMALLA VIJAY SEKHAR	IV YEAR	A+
43	AKASAPU GEETHIKA	III YEAR	A
44	AZHAR UDDIN	III YEAR	B
45	CHENCHU LAXMI SHIVA KISHORE	III YEAR	B
46	DUDDUKURI VENKATA SAI CHARAN	III YEAR	B+
47	ERRALA ARTHI	III YEAR	B
48	GADDE RASAGNA	III YEAR	A+
49	GATTUPALLY SONY	III YEAR	B
50	GATTUPALLY SUBBU	III YEAR	A
51	GOPAL SINGH	III YEAR	A+
52	GUTTAMIDA KARTHIK	III YEAR	B
53	JALIGAMA RAJESHWARAI	III YEAR	B+
54	JETLA NAVNEEN	III YEAR	B
55	JINDHAM HARSHINI	III YEAR	A+
56	KANCHI VEENA	III YEAR	A
57	KATUKOJWALA ANNAPURNA	III YEAR	A+
58	KAVVAMPALLY SRIJA	III YEAR	A+
59	KOTTE NITHIN	III YEAR	B
60	LANKALA DHARANI	III YEAR	—ABSENT—

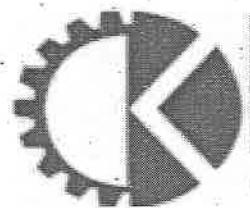
61	MADDI ANJALI	III YEAR	A+
62	MAKAM MEGHANA	III YEAR	A
63	MOHAMMED AZIZ	III YEAR	B
64	MOHD JILANI	III YEAR	B
65	MUTHARAGALLA NEERAJ	III YEAR	A
66	MUTHANNA PRUDHVI	III YEAR	B+
67	NADIMPALLY BHAVANYA	III YEAR	A+
68	NYALAPATLA RAHUL KUMAR REDDY	III YEAR	B
69	PACHIKA SOWMYA	III YEAR	A+
70	RAMANOLLA SHIRISHA	III YEAR	A+
71	RAYARAPU CHANDANA	III YEAR	A
72	REDDAMAINA POOJITHA	III YEAR	B+
73	SINGOTAM VAISHNAVI	III YEAR	A+
74	T MAHESH	III YEAR	A
75	THARIGOPPULA RAVITEJA	III YEAR	B
76	VELPULA ADITHYA RAHUL	III YEAR	B
77	VISHNUPATRUNI TANUJA	III YEAR	B+
78	VODNALA VENKATASAI VIKRAMADITYA	III YEAR	A+
79	YANAGANTI NISHITHA	III YEAR	A
80	T HIMASREE	III YEAR	A+
81	KASIKURTHI JATHIN	III YEAR	A+
82	KATREVPALLI SAISAGAR AJAYKUMAR	III YEAR	B
83	CH HARI SAI SANTHOSH	III YEAR	B+
84	SYED AMANSHOAIB	III YEAR	A
85	PONNABOINI SUMANTH	III YEAR	A+
86	KAVALI DINESH	III YEAR	B
87	ADIMULAM KRISHNA MANIKANTA	III YEAR	B+
88	V VIVEK	III YEAR	B
89	VAKKAVANTHULA SAHITHI	III YEAR	A+
100	RAMAKA PRANAY	III YEAR	B+
101	KALLEDA SANDHYA	III YEAR	A
102	BANDA PRANAY KUMAR YADAV	III YEAR	A
103	SILARI PRASHANTH	III YEAR	A
104	ALIFIYA	III YEAR	B+
105	BASWARAJ SOWMITH	III YEAR	A+

106	PICHAKUNTLA NITHIN	III YEAR	A
107	UPPALA VENU	III YEAR	A+
108	A TEJEENDRA	III YEAR	B
109	GURRAM SHIVANANDA	III YEAR	A
110	MERUGU PRAMOD KUMAR	III YEAR	A+
111	SUNKARI SRAVAN KUMAR	III YEAR	B
112	SUSHMA GANNOJU	III YEAR	A
113	RANGAGALLA NEERAJA	III YEAR	A+
114	A. SHIVANI	II YEAR	B
115	AGURLA SARITHA	II YEAR	A
116	ANDE HEMANTH	II YEAR	A+
117	B. VIVEK	II YEAR	B+
118	BANDARUPALLY PAVANI	II YEAR	A+
119	B KARTHIK	II YEAR	B
120	BELLARI SHIVA KRISHNA	II YEAR	B
121	CHELUKALA LAVITHAREDDY	II YEAR	A+
122	CHITYALA JHANSI	II YEAR	A
123	DAKURI ANUSHA	II YEAR	B
124	DASARI NIKITHA	II YEAR	A
125	DIDDI PAVANI	II YEAR	B
126	DONGALA DILIP REDDY	II YEAR	B
127	GANDUPALLI ANITHA	II YEAR	B+
128	GANGANA BOINA VINAY	II YEAR	B
129	GANTA NIKITHA	II YEAR	A+
130	GODUGU SINDHUJA	II YEAR	B
131	GUDURU KISHORE REDDY	II YEAR	B
132	JAGANNATHAM KRISHNAVENI	II YEAR	B+
133	KATEGAR MOUNIKA	II YEAR	A+
134	KAMASANI SAMPATH REDDY	II YEAR	A+
135	KATHALA UDAY KIRAN	II YEAR	B
136	KORLA SWATHI	II YEAR	B
137	KOTHAKAPU JASHWANTHREDDY	II YEAR	A
138	MERUGU MAHESHWARI	II YEAR	A+
139	MOHAMMED AJAZ AHMED	II YEAR	—ABSENT—
140	MORRI PRASANNA	II YEAR	A+

141	MOTHUKURI. TEJASWINI	II YEAR	A+
142	NAKKA MANOJ	II YEAR	B
143	NAROJU DIVYA	II YEAR	B+
144	NEELAM ABHI VRISHIN	II YEAR	A+
145	NIMMALA PRANAY KUMAR GOUD	II YEAR	D
146	PANDAV MONIKA	II YEAR	B
147	PASUPULETI SURYAVEERA CHITTI RAJA ANUSHA	II YEAR	B
148	PATHAPATI GAGAN VENKAT	II YEAR	B
149	POTTI BAGANNAGARI HARISH GOUD	II YEAR	B
150	RANGAMPALLY NIHITHA	II YEAR	A
151	THALLA SURYAPRAKASH GOUD	II YEAR	— ABSENT —
152	UPPULA SRUJANA	II YEAR	D
153	VITHANALA POOJITHA	II YEAR	A
154	KAMTANA SAMSON	II YEAR	A+
155	ARRAVALLI SRIVALLI	II YEAR	B
156	ATTUNRU SAMPATH REDDY	II YEAR	B
157	BIND RINKA	II YEAR	B
158	BUSARA NANDHINI	II YEAR	D+
159	GANDI RAMU	II YEAR	A+
160	KANDULA OM DURGA SAI	II YEAR	A
161	KONDAPUDI VIGNESH	II YEAR	— ABSENT —
162	MASUNA HEMANTH	II YEAR	B
163	NARAHARI MUKESH	II YEAR	B+
164	P SHANMUKA SAI MANIKANTA	II YEAR	A
165	RAMAKA VINAY	II YEAR	A+
166	SAKA SONY PRIYANKA	II YEAR	B+
167	SAMUDRALA SHISHMA	II YEAR	B
168	SANKATI BHARGAVA REDDY	II YEAR	A
169	SANTHOSH KUMAR NAIK	II YEAR	A
170	SHAIK KHASIM	II YEAR	A+

Satyendra
Program Coordinator

HoD CSE(AI&ML)



**DRK Institute of
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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss A KRISHNA MANIKANTA

HAS PARTICIPATED IN A TWO WEEK CERTIFICATION PROGRAM ON
CLOUD COMPUTING WITH AWS

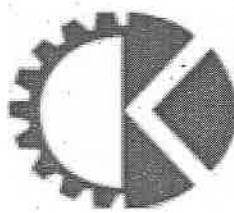
ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(AI&ML)
FROM 06/11/2023 TO 18/11/2023

Savangar
CO-ORDINATOR

Beeey
HOD

Lam
PRINCIPAL

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Hyderabad - 500043.



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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss TINDHAM HARSHINI

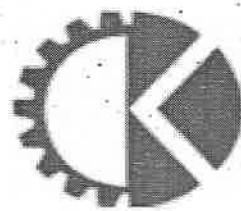
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ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(AI&ML)
FROM 06/11/2023 TO 18/11/2023

Soufanya
CO-ORDINATOR

HOD
HOD

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Hyderabad - 500 043.



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CERTIFICATE OF APPRECIATION

THIS IS TO CERTIFY THAT

Mr./Miss AKASAPU GEETHIKA

HAS PARTICIPATED IN A TWO WEEK CERTIFICATION PROGRAM ON
CLOUD COMPUTING WITH AWS

ORGANIZED BY DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING(AI&ML)
FROM 06/11/2023 TO 18/11/2023

Sowanya
CO-ORDINATOR

Goleesha
HOD

Shiv
PRINCIPAL

PRINCIPAL
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Bowrampet, Qutubullapur,
Hyderabad - 500 043.



(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department of Computer science and Engineering(AI&ML)

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Cloud Computing with AWS

Course Code: 2023CSM01

Name of the Participant: M.-Anjali

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate	✓			
Course met the overall expectations	✓			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject			✓	
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		

Signature of the Participant



(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department of Computer science and Engineering(AI&ML)

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Cloud Computing with AWS

Course Code: 2023CSM01

Name of the Participant: K. Soni

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient		✓		
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate	✓			
Course met the overall expectations	✓			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained	✓			
Queries and doubts were cleared by faculty		✓		


Signature of the Participant



(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department of Computer Science and Engineering (Data science)

Ref.NO: DRKIST/CSD/AOP/2023-24/01

Date: 20/11/2023

CIRCULAR

Department of CSE (Data Science) organizing “A Two-Week Certification Course on Advanced Data Science and Machine Learning” for all CSE(DS) year students. Interested students can enrol their name to Mrs. N. Sowjanya (Program Coordinator) on or before 04/12/23. Certificate will be issued to the students after successful completion of the course. The details contents of the course and other information is attached herewith.

S. No	Name of the Course	Date of commencement	Venue
1.	A Two-Week Certification Course on Advanced Data Science and Machine Learning	04/12/23	Seminar Hall



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Principals Office
DRK Institute of Science & Technology
Bowrampet, Quthbullapur, Hyderabad-500 043.

Copy to

1. Office Room.
2. Exam Cell.
3. Library.
4. Head of CSE Dept.
5. Head of CSE (AI & ML)
6. Head of CSE (DS)
7. Head of EEE Dept.
8. Head of Mech Dept.
9. Head of S&H Dept.
10. Head of MBA Dept.

ABOUT THE DRKIST

The DRK Institute of Science and Technology's journey of success began in 2004 under the visionary leadership of Mr. D.B. Chandra Sekhar Rao, who founded the institute in honor of his late father, Sri Dasari Rama Kotaiah Garu. Mr. D.B. Chandra Sekhar Rao, a distinguished entrepreneur, established the institute with a commitment to high-quality education, aiming to contribute to the nation's economic and industrial growth. As part of the DRK Educational Society, the institute has invested significantly in infrastructure, academic resources, and career development, fostering a dynamic learning environment that enhances students' conceptual and technical skills for modern challenges.

ABOUT THE CSE (Data Science) DEPARTMENT

The Department of Computer Science and Engineering (Data Science) at DRK Institute of Science and Technology was established in 2020 and offers undergraduate programs to students from both urban and rural areas across India. It boasts well-equipped computing laboratories and a comprehensive range of software and hardware applications. Emphasizing fundamental learning and the latest technologies, the department fosters creativity by encouraging students to engage in projects of varying complexity. DRK values this field highly and supports it by offering a dedicated course.

ABOUT THE CERTIFICATE PROGRAM

A two weeks certification course on Advanced Data Science and Machine Learning offers an intensive, hands-on learning experience focused on advanced techniques, big data technologies, and model optimization. Participants enhance their skills through practical labs, real-world projects, and expert insights, culminating in a certification that boosts career prospects in the field. Prerequisites typically include foundational knowledge in data science and programming.

TOPICS TO BE COVERED

- Introduction to Data Science and Machine Learning
- Data Pre-processing and Cleaning
- Supervised Learning Algorithms
- Unsupervised Learning Algorithms
- Model Evaluation and Tuning
- Deep Learning Fundamentals
- Natural Language Processing (NLP)
- Data Visualization and communication
- Big Data Technologies
- Model Deployment and Monitoring

A TWO WEEKS CERTIFICATION COURSE
ON
**Advanced Data Science and
Machine Learning**

4TH December 2023 TO
14TH December 2023

Organized by CSE(DS)
Department



BOWRAMPET (V), VIA AIRFORCE ACADEMY,
HYDERABAD-500043
Mobile: +91-9000711899, +91-8790711899,
Website: www.drkist.edu.in (Approved by AICTE,
Affiliated to JNTUH)



Department of Computer Science and Engineering (Data science)

A Two-Week Certification Course on Advanced Data Science and Machine Learning

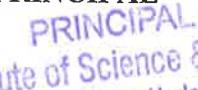
Week schedule

S. No		Topics to be covered
1	Week 1: Fundamentals and Advanced Techniques	Day 1: Introduction to Data Science and Machine Learning
2		Day 2: Data Pre-processing and Cleaning
3		Day 3: Supervised Learning Algorithms
4		Day 4: Unsupervised Learning Algorithms
5		Day 5: Model Evaluation and Tuning
6	Week 2: Advanced Topics and Applications	Day 6: Deep Learning Fundamentals
7		Day 7: Natural Language Processing (NLP)
8		Day 8: Data Visualization and communication
9		Day 9: Big Data Technologies
10		Day 10: Model Deployment and Monitoring


PROGRAM COORDINATOR


HOD CSE(DS)


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Bowrampet, Quthbullapur, Hyderabad-500 043.



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Department of Computer Science and Engineering (Data science)

A Two-Week Certification Course on Advanced Data Science and Machine Learning

Course Syllabus

S.NO	Topics to be covered	Date
1	Day 1: Introduction to Data Science and Machine Learning <ul style="list-style-type: none">• Overview of data science• Importance of machine learning• Introduction to the program and tools	04/12/23
2	Day 2: Data Pre-processing and Cleaning <ul style="list-style-type: none">• Data types and structures• Handling missing values and outliers• Data normalization and scaling	05/12/23
3	Day 3: Supervised Learning Algorithms <ul style="list-style-type: none">• Linear regression, logistic regression• Decision trees, random forests• Hands-on session: Implementing supervised learning models	06/12/23
4	Day 4: Unsupervised Learning Algorithms <ul style="list-style-type: none">• Clustering techniques: K-means, hierarchical clustering• Dimensionality reduction: PCA, t-SNE• Hands-on session: Implementing unsupervised learning models	07/12/23
5	Day 5: Model Evaluation and Tuning <ul style="list-style-type: none">• Cross-validation techniques• Hyperparameter tuning: Grid search, random search• Model evaluation metrics: Accuracy, precision, recall, F1-score	08/12/23
6	Day 6: Deep Learning Fundamentals <ul style="list-style-type: none">• Introduction to neural networks• Convolutional neural networks (CNNs)• Hands-on session: Building and training neural networks	09/12/23

Department of Computer Science and Engineering (Data science)

S.NO	Topics to be covered	Date
7	Day 7: Natural Language Processing (NLP) <ul style="list-style-type: none"> • Text pre-processing techniques • Sentiment analysis, topic modelling • Hands-on session: Implementing NLP models 	11/12/23
8	Day 8: Data Visualization and Communication <ul style="list-style-type: none"> • Importance of data visualization • Tools: Matplotlib, Seaborn, Plotly • Effective communication of data insights 	12/12/23
9	Day 9: Big Data Technologies <ul style="list-style-type: none"> • Introduction to Hadoop and Spark • Big data processing techniques • Hands-on session: Working with big data tools 	13/12/23
10	Day 10: Model Deployment and Monitoring <ul style="list-style-type: none"> • Model deployment strategies • Monitoring model performance in production • Hands-on session: Deploying a machine learning model 	14/12/23

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 PROGRAM COORDINATOR

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Medchal, Hyd-500043)

Department of Computer Science and Engineering (Data science)

List of Participants

S. No	Name of the student	Year	Signature
1	Atluri Vigneshwar Rao	IV Year	Vigneshwar Rao
2	J Rajeshwari	IV Year	Rajeshwari
3	K Rajesh	IV Year	Rajesh
4	Kichugari Swathi	IV Year	Kichugari Swathi
5	Koppala Jawahar Jovah	IV Year	Jawahar Jovah
6	Laxmaighari Hanish	IV Year	Hanish
7	Narra Sathvik Reddy	IV Year	Narra Sathvik Reddy
8	Veeraboina Pravalika	IV Year	Pravalika
9	Kasaram Neha	IV Year	Neha
10	Samantakurti Gnana Deepti	IV Year	Gnana Deepti
11	Thota Poojitha	IV Year	Poojitha
12	Vanma Rachana	IV Year	Rachana
13	Aavula Akshaya	III Year	Akshaya
14	Aavula Tejaswi	III Year	Tejaswi
15	Afsha Tamkinat	III Year	Afsha
16	Bollam Sumanth	III Year	Sumanth
17	Chikkela Shiva Prasad	III Year	Shiva Prasad
18	Vemula Shivani	III Year	Shivani
19	Malleda Lokesh Kumar	III Year	Lokesh Kumar
20	Ayanaparti Sridevi	III Year	Sridevi
21	Dulam Rekha Goud	III Year	Rekha Goud
22	Patchava Venkata Sai Kumar	III Year	Sai Kumar
23	Chegal Ramya	III Year	Ramya
24	Toopran Shivaprasad	III Year	Shivaprasad


PROGRAM COORDINATOR


HOD CSE(DS)



Department of Computer Science and Engineering (Data science)

Report on “A Two-Week Certification Course on Advanced Data Science and Machine Learning”

- | | |
|----------------------------------|---|
| 1. Title of course | : A Two-Weeks Certification Course on Advanced Data Science and Machine Learning |
| 2. Course code | : 2023CSD01 |
| 3. Course Date | : 04/12/23 |
| 4. Venue | : SEMINAR HALL |
| 5. Name of program Coordinator : | Mrs. N. Sowjanya |
| 6. Number of Students | : 24 |

DRK Institute of Science and Technology organized “A Two-Week Certification Course on Advanced Data Science and Machine Learning” for BTech CSE(DS) students.

A Two-Week certification course in Advanced Data Science and Machine Learning offers an intensive, hands-on learning experience focused on advanced techniques, big data technologies, and model optimization. Participants enhance their skills through practical labs, real-world projects, and expert insights, culminating in a certification that boosts career prospects in the field. Prerequisites typically include foundational knowledge in data science and programming.

7. Objective :

- Provide participants with in-depth knowledge of advanced data science and machine learning concepts.
- Equip participants with the ability to apply advanced machine learning algorithms to real-world problems.
- Enhance understanding of data preprocessing, model selection, and evaluation techniques.
- Introduce state-of-the-art tools and frameworks used in data science and machine learning.
- Develop skills to handle and analyze large datasets for meaningful insights.

8. Outcome :

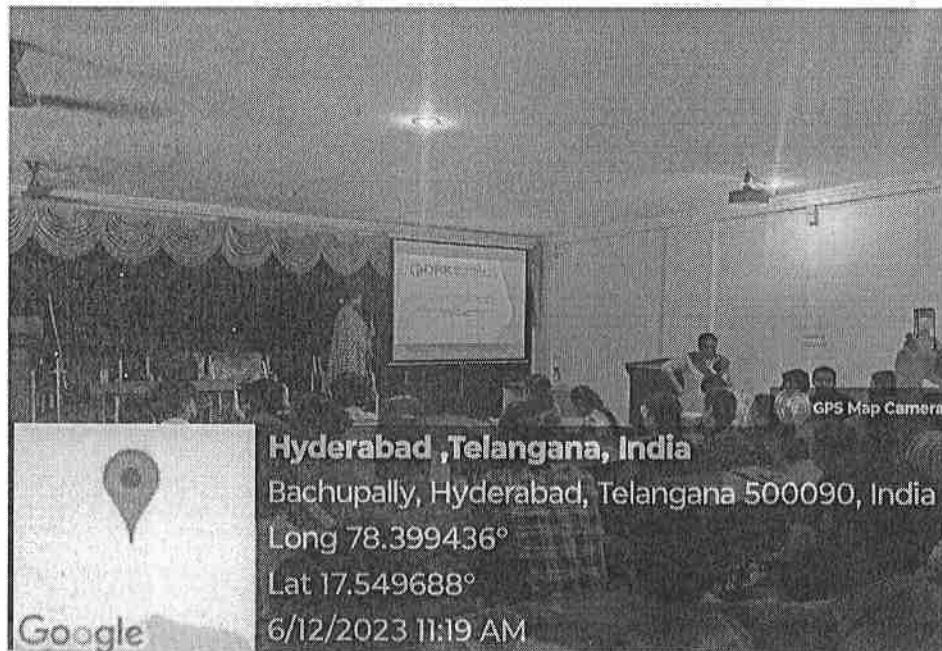
- Master advanced data science techniques, including data preprocessing and feature engineering.
- Implement various machine learning algorithms for classification, regression, clustering, and more.
- Utilize popular tools and frameworks such as TensorFlow, Scikit-learn, and PyTorch in projects.
- Build, train, and evaluate machine learning models with real-world datasets.
- Obtain a certification that validates expertise in advanced data science and machine learning.



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Department of Computer Science and Engineering (Data science)

- Obtain a certification that validates expertise in advanced data science and machine learning.



The course is very useful to the students and their feedback is positive. The management and Principal of DRK Institute of Science and Technology thanked the participants for making the program successful.


PROGRAM COORDINATOR


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Bowrampet, Quthbullapur, Hyderabad-500 043.

17
20

Department of Computer Science and Engineering

A Two-Week Certification Course on Advanced Data Science and Machine Learning

Name of the Student: N. Sathwik reddy Year: IV

Max Marks: 20M

Multiple choice questions

1. What is the main goal of supervised learning in machine learning? [B]
 a) To cluster data into groups b) To predict outcomes based on labelled data
 c) To find hidden patterns in data without labels d) To reduce the dimensionality of the data
2. Which of the following algorithms is used for classification tasks? [C]
 a) K-Means b) Linear Regression
 c) Decision Trees d) Principal Component Analysis (PCA)
3. In the context of machine learning, what is overfitting? [C]
 a) When the model performs well on both training and test data
 b) When the model performs poorly on training data but well on test data
 c) When the model performs well on training data but poorly on test data (Correct Answer: c)
 d) When the model underestimates the complexity of the data
4. Which of the following techniques can be used to prevent overfitting? [A]
 a) Increasing the number of features b) Using a more complex model
 c) Cross-validation d) Ignoring irrelevant data
5. What is the purpose of a confusion matrix in machine learning? [B]
 a) To calculate the cost of errors
 b) To visualize the performance of a classification model
 c) To measure the variance of a model
 d) To reduce the dimensionality of the data
6. Which type of machine learning algorithm is K-Means? [C]
 a) Supervised Learning b) Reinforcement Learning
 c) Unsupervised Learning d) Semi-supervised Learning
7. Which evaluation metric is used to assess the performance of a regression model? [A]
 a) Accuracy b) F1Score c) Mean Squared Error (MSE) d) Recall
8. What does PCA (Principal Component Analysis) primarily aim to do? [B]
 a) Increase the number of features in the dataset b) Reduce the dimensionality of the data
 c) Perform data classification d) Improve model accuracy by adding noise
9. Which of the following is a key characteristic of deep learning? [C]
 a) Manual feature extraction b) Shallow neural networks

Department of Computer Science and Engineering

10. In a neural network, what is the function of an activation function? [C]
 - a) To initialize the weights
 - b) To update the bias terms
 - c) To introduce nonlinearity into the model
 - d) To measure the loss

11. Which of the following is NOT a type of gradient descent? [D]
 - a) Stochastic Gradient Descent
 - b) Batch Gradient Descent
 - c) Minibatch Gradient Descent
 - d) Decision Gradient Descent

12. What is the purpose of the "dropout" technique in neural networks? [A]
 - a) To add layers to the network
 - b) To increase the learning rate
 - c) To prevent overfitting
 - d) To reduce the number of neurons

13. Which of the following is a method for feature selection? [C]
 - a) Cross-validation
 - b) Grid search
 - c) Recursive Feature Elimination (RFE)
 - d) Bagging

14. Which technique is used to balance an imbalanced dataset? [A]
 - a) Oversampling
 - b) Underfitting
 - c) Increasing model complexity
 - d) Cross-validation

15. Which of the following is a common loss function used in binary classification? [B]
 - a) Mean Squared Error (MSE)
 - b) Cross-Entropy Loss
 - c) Hinge Loss
 - d) Logarithmic Loss

16. What does "ensemble learning" refer to in machine learning? [B]
 - a) Using a single model to improve accuracy
 - b) Combining multiple models to improve performance
 - c) Reducing the size of the dataset
 - d) A technique for data preprocessing

17. Which of the following algorithms is commonly used for clustering? [C]
 - a) Random Forest
 - b) Logistic Regression
 - c) K-Means
 - d) Support Vector Machine (SVM)

18. Which of the following is a common technique for handling missing data in a dataset? [C]
 - a) Ignoring the missing data
 - b) Dropping rows with missing values
 - c) Imputation
 - d) Increasing the size of the dataset

19. What is the purpose of the ROC curve in machine learning? [B]
 - a) To measure the accuracy of a regression model
 - b) To visualize the performance of a classification model
 - c) To calculate the loss function
 - d) To perform dimensionality reduction

20. In the context of neural networks, what is a "vanishing gradient"? [B]
 - a) When the gradients become too large
 - b) When the gradients become too small
 - c) When the learning rate is too high
 - d) When the model overfits the data

15
20

Department of Computer Science and Engineering

A Two-Week Certification Course on Advanced Data Science and Machine Learning

Name of the Student: T. Poojitha

Year:

Max Marks: 20M

Multiple choice questions

1. What is the main goal of supervised learning in machine learning? [B]
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Department of Computer Science and Engineering

10. In a neural network, what is the function of an activation function? [C] ✓
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11. Which of the following is NOT a type of gradient descent? [D] ✓
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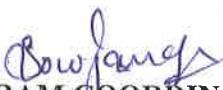
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Medchal, Hyd-500043)

Department of Computer Science and Engineering (Data science)

A Two-Week Certification Course on Advanced Data Science and Machine Learning

Grade Sheet

S. No	Name of the student	Year	Grade
1	Atluri Vigneshwar Rao	IV Year	B+
2	J Rajeshwari	IV Year	A
3	K Rajesh	IV Year	B
4	Kichugari Swathi	IV Year	B
5	Koppala Jawahar Jovah	IV Year	B+
6	Laxmaiaghari Hanish	IV Year	A+
7	Narra Sathvik Reddy	IV Year	B
8	Veeraboina Pravalika	IV Year	A+
9	Kasaram Neha	IV Year	A
10	Samantakurti Gnana Deepti	IV Year	A
11	Thota Poojitha	IV Year	A+
12	Vanma Rachana	IV Year	B
13	Aavula Akshaya	III Year	A
14	Aavula Tejaswi	III Year	A+
15	Afsha Tamkinat	III Year	B
16	Bollam Sumanth	III Year	B
17	Chikkela Shiva Prasad	III Year	A
18	Vemula Shivani	III Year	A+
19	Malleda Lokesh Kumar	III Year	A+
20	Ayanaparti Sridevi	III Year	B
21	Dulam Rekha Goud	III Year	A+
22	Patchava Venkata Sai Kumar	III Year	A
23	Chegal Ramya	III Year	B
24	Toopran Shivaprasad	III Year	A


PROGRAM COORDINATOR


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(Bowrampet (v), Near pragathi nagar, on Miyapur-medchal high way, Quthbullapur,
Medchal, Hyd-500043)

Department Computer science and Engineering(data science)

ATTENDANCE SHEET

Two Weeks Certification Course on Advanced Data Science and Machine Learning

S. No	Name of Student	Year	1	2	3	4	5	6	7	8	9	10
<u>1</u>	Atluri Vigneshwar Rao	IV Year	P	D	P	D	P	P	D	P	P	P
<u>2</u>	J Rajeshwari	IV Year	P	P	D	D	P	P	P	P	P	P
<u>3</u>	K Rajesh	IV Year	P	P	P	D	P	D	P	P	P	P
<u>4</u>	Kichugari Swathi	IV Year	P	P	P	D	P	P	P	A	P	P
<u>5</u>	Koppala Jawahar Jovah	IV Year	P	D	D	P	P	D	P	P	P	P
<u>6</u>	Laxmaiaghari Hanish	IV Year	P	P	P	P	P	D	P	P	P	P
<u>7</u>	Narra Sathvik Reddy	IV Year	P	P	P	D	P	P	P	P	P	P
<u>8</u>	Veeraboina Pravalika	IV Year	P	P	D	P	P	P	P	P	P	P
<u>9</u>	Kasaram Neha	IV Year	P	P	P	D	P	P	P	P	P	P
<u>10</u>	Samantakurti Gnana Deepti	IV Year	P	D	D	A	P	D	A	P	D	P
<u>11</u>	Thota Poojitha	IV Year	P	P	P	D	P	P	D	P	P	P
<u>12</u>	Vanma Rachana	IV Year	P	P	D	P	P	P	P	P	P	P
<u>13</u>	Aavula Akshaya	III Year	P	D	P	D	P	P	P	P	D	P
<u>14</u>	Aavula Tejaswi	III Year	P	P	P	D	P	P	P	P	P	P
<u>15</u>	Afsha Tamkinat	III Year	P	P	D	P	P	P	P	P	P	P
<u>16</u>	Bollam Sumanth	III Year	P	P	P	D	P	D	A	P	P	P
<u>17</u>	Chikkela Shiva Prasad	III Year	P	P	D	A	P	P	P	P	A	P
<u>18</u>	Vemula Shivani	III Year	P	P	D	P	P	P	P	P	P	P
<u>19</u>	Malleda Lokesh Kumar	III Year	P	P	D	P	P	P	P	P	P	P
<u>20</u>	Ayanaparti Sridevi	III Year	P	D	P	D	P	P	P	P	P	P
<u>21</u>	Dulam Rekha Goud	III Year	P	D	P	D	P	P	P	P	P	P
<u>22</u>	Patchava Venkata Sai Kumar	III Year	P	P	P	P	P	P	P	P	P	P
<u>23</u>	Chegal Ramya	III Year	P	P	P	P	P	P	P	P	P	P
<u>24</u>	Toopran Shivaprasad	III Year	P	P	P	P	P	P	P	P	P	P

Program Coordinator

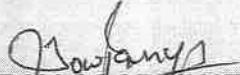
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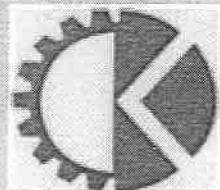
Certificate of appreciation

This is to certify that Mr. /Miss ch. Shiva Prasad
has participated in a two week certificate program on "Advanced Data Science
and Machine Learning" organized by department of computer science and
engineering(data science) from 04/12/23 to 16/12/23 in DRKIST.


PROGRAM COORDINATOR


HOD CSE(DS)

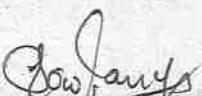

PRINCIPAL



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

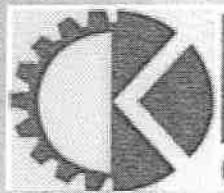
Certificate of appreciation

This is to certify that Mr. /Miss D. Petha Goud
has participated in a two week certificate program on "Advanced Data Science
and Machine Learning" organized by department of computer science and
engineering(data science) from 04/12/23 to 19/12/23 in DRKIST.


PROGRAM COORDINATOR


HOD CSE(DS)


PRINCIPAL



**DRK Institute of
Science and Technology**
(Approved by AICTE & Affiliated to JNTUH)

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

Certificate of appreciation

This is to certify that Mr. /Miss Ch. Parvya
has participated in a two week certificate program on "Advanced Data Science
and Machine Learning" organized by department of computer science and
engineering(data science) from1/12/23 to 14/12/23 in DRKIST.


PROGRAM COORDINATOR


HOD CSE(DS)


PRINCIPAL



Department of Computer science and Engineering(data science)

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Advanced Data Science and Machine Learning

Course Code: 2023CSD01

Name of the Participant: V. Pravalika

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient	✓			
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate		✓		
Course met the overall expectations	✓			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained		✓		
Queries and doubts were cleared by faculty	✓			



V. Pravalika

Signature of the Participant

Department of Computer science and Engineering(data science)

FEEDBACK FORM

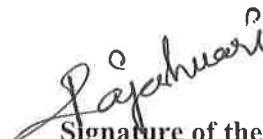
Course Title: A Two-Week Certification Course on Advanced Data Science and Machine Learning

Course Code: 2023CSD01

Name of the Participant: Rajeshwari Joshi

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient	✓			
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate	.		✓	
Course met the overall expectations		✓		

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained		✓		
Queries and doubts were cleared by faculty		✓	.	



Signature of the Participant



Department of Computer science and Engineering(data science)

FEEDBACK FORM

Course Title: A Two-Week Certification Course on Advanced Data Science and Machine Learning

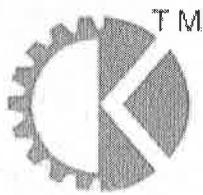
Course Code: 2023CSD01

Name of the Participant: L. Hanish

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	✓			
The amount of material covered was sufficient	✓	.		
The course gives fair exposure to industry-based topics		✓		
Duration of course was appropriate		✓		
Course met the overall expectations	✓			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	✓			
Faculty have good command over the course contents		✓		
The content was clearly explained		✓		
Queries and doubts were cleared by faculty	✓			

Signature of the Participant



DRK INSTITUTE OF SCIENCE & TECHNOLOGY
BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043
Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in
(Approved by AICTE, Affiliated to JNTUH)

Department of Management

DRKIST/MBA/AOP/2023-24/05

DATE: 01/11/2023

CIRCULAR

Ten days Certification Course on "Innovation & Creativity in Business" has been conducting by MBA Department from 06-11-2023 to 16-11-2023. Interested students can enroll their names to **Ms. L. RENUKA** (Event Coordinator) on or before 04/11/2023. Certificate will be issued to the students after successful completion of the course. Herewith the department attached the detailed content of the course.

Sl. No	Course Title	Date of commencement	Venue
1.	Innovation & creativity in Business	06/11/2023	Seminar Hall- (010)

P. P. Prabanthi
HOD

Copy to

1. Copy to Principal
2. Copy to Office room
3. Copy to Notice Board
4. Head of MBA Dept.
5. Head of ECE Dept.
6. Head of EEE Dept.
7. Head of CSE Dept.
8. Head of MECH Dept.

ABOUT THE DRKIST

The era of success of DRK institute of science and technology Institutions has started way back in 2004 when it was established by Mr.D.B Chandra Sekhar Rao in the fond memory of his late father Sri Dasari Rama Kotaiah garu. Mr. D. B chandra Shekar Rao is an eminent & successful entrepreneur, who has subsequently decided to focus on high quality education with the philanthropic motive, to act as a leader to promote economic & industrial growth of the country. DRK Institute of science and technology belongs to the DRK Educational Society. DRK Group has envisaged significant investment of capital and resources to give shape to the development of the institute, In terms of Infrastructure, academic resources and career development for its students. A vibrant effort has been made to consciously invest to improve the conceptual and technical skill of the students.

ABOUT THE MBA DEPARTMENT

MBA at DRK is not just about receiving a degree. It is about the students to stand as an Innovator and leader to lead their business organizations in future and the management skills obtained from this course aids the business to new heights. Structure of the course is designed in such a way that it improves student's theoretical and practical knowledge of how business can operate and run in a successful path. It sharpens the students overall communication skills, strategic thinking, leadership abilities, and decision-making skills.

ABOUT THE CERTIFICATE PROGRAM

Creative business ideas set companies apart from one another. It gives companies a competitive advantage. Without creativity and innovation, every company would follow the same pattern in business, marketing/promotion, or even the goods and services they may be selling. Creativity is essential for business today, especially when the market is dependent on innovative braking technology.

TOPICS COVERED

- Creativity – Component elements – attributes of creative individuals □
- Creativity as a competitive resource.
- Enhancing creative thinking □ Re-definitional techniques
- Existential, entrepreneurial and empowerment creativities
- Models of creative problem solving
- Building an innovative organization
- Purposeful innovation and the seven sources for innovative opportunity

A 10 DAY CERTIFICATE PROGRAMME

On

Innovation & Creativity in Business

NOV 6th TO NOV 16th 2023

Organized by

MBA Department



DRK INSTITUTE OF SCIENCE & TECHNOLOGY
BOWRAMPET (V), VIA AIRFORCE ACADEMY,
HYDERABAD-500043

Mobile: +91-90007118CC, +91-8790711899

Website: www.drkist.edu.in
(Approved by AICTE, Affiliated to JNTUH)

Chief Patron

Sri. D. B. Chandra Shekar Rao
Chairman

Patrons

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Secretary

Sri. D. sriram
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Dr.GNANESWARA RAO NIITA
Principal

Resource person

Dr.K.Geetha
Assoc. Professor MBA

Mrs.Dr.P.PRASANTHI
HoD, Dept. of MBA

Coordinator
Ms. L. Renuka
Asst. Professor

Address for communication

Ms.L.Renuka
Coordinator, MBA, Assistant Professor
9849653498
Praveen_k@yahoo.com

Registration Details

Last Date for
Registration
4th
November
2023

“A key to success is to
assemble a strong and
stable management
team.”

REGISTRATION FORM

A 10 DAY CERTIFICATE PROGRAMME

On
Innovation & Creativity
In Business

Name: Mr. /Ms.: _____

Reg .No: _____

Department: _____

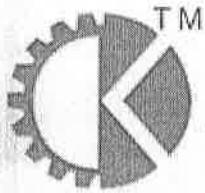
Organization: _____

Address: _____

Phone: _____

Email: _____

Signature of
Participant



DRK INSTITUTE OF SCIENCE & TECHNOLOGY

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

(Approved by AICTE, Affiliated to JNTUH)

Department of Management

Course Title: Certification Course on “Innovation & Creativity in Business”

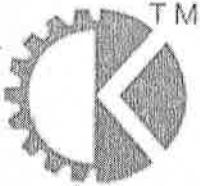
SI. No	DATE	Course Content
1.	06/11/2023	Creativity – Component elements – attributes of creative individuals - Creativity as a competitive resource.
2.	07/11/2023	cultivation of creativity – convergent and divergent thinking – values as anchors of creative thinking – creativity vs. Lateral thinking
3.	08/11/2023	Enhancing creative thinking - Re-definitional techniques – random stimulus techniques – Envisionment/Visualization Approach.
4.	09/11/2023	– PMI method – ISA perspective – Abstraction Approach – Thinking Hats method – Creativity techniques for groups.
5.	10/11/2023	Creativity in Uncertainty – Heuristics for stimulating creativity – Training and creativity
6.	11/11/2023	Existential, entrepreneurial and empowerment creativities – quality of creativity – Lifelong creativity, developing a creative work environment.
7.	13/11/2023	Models of creative problem solving – enhancing creative intelligence – motivation and creativity.
8.	14/11/2023	Strategy innovation vs strategy planning – Purposeful innovation and the seven sources for innovative opportunity – three levels of innovation – fostering innovation at various levels – Auditing Innovation management.
9.	15/11/2023	Building an innovative organisation – role of vision, structure and training – Fostering creativity and innovation in organisations.
10.	16/11/2023	roles of organisational culture, leadership – managerial style and practices supportive of creativity – creativity as the core of competitive excellence

Renuka
Event Coordinator

P. Pranathi
HoD

Principal
PRINCIPAL

DRK Institute of Science & Technology
Bowrampet, Qutubullapur, Hyderabad-500 043



DRK INSTITUTE OF SCIENCE & TECHNOLOGY

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

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Department of Management

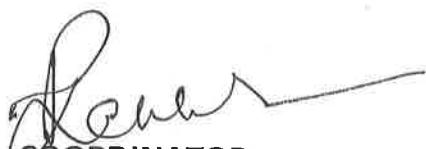
Name of the Course: Certificate Course on "Innovation & Creativity in Business"

Registration Details

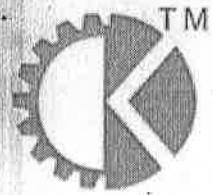
S.No	Name of Student	Year	Signature
1	AKULA ANUDEEP VARMA	I YEAR	Anudeep Varma
2	BINGI RAMYA	I YEAR	Ramya
3	CHEPYALA SRILATHA	I YEAR	Srilatha
4	CHINTALAPUTTI SRAVANI	I YEAR	Sraavan
5	CHINTHA MAMATHA	I YEAR	Mamatha
6	CHINTHAKUNTA AKHILA	I YEAR	Akhila
7	DEEPAK SINGH	I YEAR	Deepraj
8	DEEVI PUNYAVATHI RANGAVALLI	I YEAR	Rangavalli
9	DOODAM SHRAVANI	I YEAR	D. Shrawani
10	DUDAVATH SWATHI	I YEAR	Gmanika
11	GADDAM MOUNIKA	I YEAR	Navya
12	GADDAM NAVYA	I YEAR	Navj
13	GARIPALLY TEJASRI	I YEAR	Tejasri
14	JYOTHI BHARATHI	I YEAR	Hallie Bharathi
15	KAPPARI SRAVANTHI	I YEAR	K. Sravanti
16	KHALISTA ANTONY DESOUZA	I YEAR	Antony
17	KODIDE SOWMYA	I YEAR	Sowmya
18	KODURU MADHU BALA	I YEAR	K. Madhu Bala
19	MAMIDISHETTI SAITEJA	I YEAR	Xpert
20	MANISH KUMAR	I YEAR	Manish Kumar
21	MANOOR CHITRA	I YEAR	Chitra
22	MAYANI SHIREESHA	I YEAR	M. Sunitha
23	METTUGADPULA SOLOMON RAJ	I YEAR	Solomon Raj
24	MOHAMMED ABDUL RIYAZ	I YEAR	R. Havanya
25	MANDLI GURU SAI	I YEAR	Guru Sai
26	MUDDAM NAVYA SRI	I YEAR	Navya Sri
27	MUDDAM SHRAVYA SRI	I YEAR	Shravya Sri
28	NENAVATH SURENDER	I YEAR	Surender
29	NINGAM LOKESHWARREDDY	I YEAR	Lokeswarreddy
30	NUTHALAKANTI NIVEDITHA	I YEAR	Niveditha
31	PAREKEPALLY SAI SREEJA	I YEAR	Sreeja
32	S TARUN	I YEAR	Tarun
33	SAYYAD SHARUK	I YEAR	R. Havanya
34	SIMRANBEGUM	I YEAR	Q. Havanya
35	SOUDA SARIIKA	I YEAR	M. Sunitha
36	SRIMALLE ANVESH	I YEAR	Anvesh

37	SURAGANI MANASA	I YEAR	
38	TEJAVATH DINESH CHANDRA	I YEAR	Dinesh Swamy
39	THIPPANAMYNA SWAMY	I YEAR	Thi Swamy
40	TURKAPALLY SUJAYKUMAR	I YEAR	Sujaykumar
41	VARTYA SANDEEP	I YEAR	Sandeep
42	VELDANDI RAGINI	I YEAR	Ragini
43	VORULOTHU ANJALI	I YEAR	Anjali
44	YESAHALA SRIKANTH	I YEAR	Srikant
45	B VENKAT NARENDER	I YEAR	NARENDER
46	CHOKKA RAJA SRI HARI	I YEAR	Chokka
47	G ADITI	I YEAR	G. Aditi
48	GILLA SRUJANA	I YEAR	Srujana
49	GUDLA KOMALI	I YEAR	Komali
50	K DHAYATRI	I YEAR	K. Dhayatri
51	KANURI JOHN VIJAY RAJU	I YEAR	John Vijay Raju
52	L SAI KUMAR	I YEAR	L. Sai Kumar
53	MADIREDDY RAVIKANTHREDDY	I YEAR	Ravikanth Reddy
54	NACHARAM SANDEEPtha	I YEAR	N. Sandeeptha
55	NALLAMEKALA LAKSHMI	I YEAR	N. Lakshmi
56	PANDY PAVAN KUMAR	I YEAR	Pavan Kumar
57	PUTCHA KOTI VEERANJANEYULU	I YEAR	Putcha
58	PYATA NAresh	I YEAR	Pyata
59	RAYUDU LAVANYA	I YEAR	R. Lavanya
60	TANISHA JAISWAL	I YEAR	Jaiswal
61	VEHALA CHANDANA	I YEAR	Chandana
62	NARNE ANUPAMA	I YEAR	Anupama
63	PARSHETTY SAI RATNA	I YEAR	Sai Ratna
64	AFROZ KHAN	II YEAR	Afroz Khan
65	BAGARI SATHWIKA	II YEAR	B. Sathwika
66	BALAKKA SHARANYA	II YEAR	B. Sharanya
67	BANDI MOUNIKA	II YEAR	Mounika
68	BANDROLLU MAHESHWARI	II YEAR	B. Maheshwari
69	BODDU SRINIVAS	II YEAR	Boddu
70	BYAGARI AMALA	II YEAR	Amala
71	DASARI ANUSHA	II YEAR	Anusha
72	DEVARAYA LALITHA	II YEAR	Lalitha
73	DURGAPOLA MOUNIKA	II YEAR	Mounika
74	GAJELLI RAJU	II YEAR	Raju
75	GOLLA SAI KIRAN YADAV	II YEAR	Sai Kiran Yadav
76	GUNDAVENI MEGHANA	II YEAR	Meghana
77	JOGU LAKSHMI	II YEAR	J. Lakshmi
78	KANAPURAM ALEKYA	II YEAR	Alekya
79	KAPILA SHIVA SAI	II YEAR	Shiva Sai
80	KASAGANI DHANESH	II YEAR	Dhanesh
81	KURUMOJI KUSUMA	II YEAR	Kusuma
82	LAKAVATH PRAKASH	II YEAR	Praakash
83	M TARUN SAI	II YEAR	M. Tarun Sai
84	MAMIDI MOUNIKA	II YEAR	M. Mounika
85	MEKA RAVI CHANDANA	II YEAR	M. Ravi Chandana
86	MEKALA VISHWAMHARA JYOTHIRVYAS	II YEAR	Mekala Vishwamhara
87	MIRZA SABIUL HASSAN ALI BAIG	II YEAR	Mirza Sabiul Hassan Ali Baig
88	MOHD IMTIAZ	II YEAR	Imtiaz
89	MULAKALA PUSHYA	II YEAR	M. Pushya
90	N MOHAN	II YEAR	N. Mohan
91	NAGIREDDYPALLY SRAVAN KUMAR	II YEAR	Sravan

92	NAGUNOORI GIRIDAR RAJ	II YEAR	Raj
93	N SATYA KALYANI	II YEAR	N. Satya Kalyani
94	PADALA SUSHMAJA	II YEAR	Sushma
95	P AMAR SUBHAN REDDY	II YEAR	Amar Reddy
96	P VEERA VINEETHA	II YEAR	Vineetha
97	PRATIMA MAHARANA	II YEAR	Maharana
98	RUHI SHABNAM	II YEAR	Shabnam
99	SHIVALI RAMYA	II YEAR	S. Ramya.
100	SUDDALA MOUNIKA	II YEAR	Mounika
101	SUPPALA VARUN	II YEAR	Varun
102	TALARI JYOTHSNA	II YEAR	Jyothsna
103	ULIGUNDAM AMBICA	II YEAR	Ambica
104	V LAKSHMI PRASANNA	II YEAR	Lakshmi Prasanna
105	VUPPALLI SREEKANTH	II YEAR	Sreekanth
106	ADDAGATLA MANITEJA	II YEAR	Mani
107	A VIMALAPRIYANKA	II YEAR	Priyanka
108	BEVARA VANAJAKSHI	II YEAR	Vane
109	ESAM SUMA KIRANMAI	II YEAR	Kiranmai
110	JANDHA SRAVANI	II YEAR	Sravani
111	KALAVALA LAVANYA	II YEAR	K. Lavanya
112	KAVULURI AJAY	II YEAR	Ajay
113	KIMALI SANKEERTHANA	II YEAR	Sankeerthana
114	KONGARA SANDHYA RANI	II YEAR	Rani
115	M ANJANEYULU	II YEAR	Anjneyulu
116	NAGENDLA BHARGAVI	II YEAR	Bhargavi
117	ORUGANTI GANAPATHI	II YEAR	Ganapathi
118	PANDALA SHARATH GOUD	II YEAR	Sharath
119	POTHULAPALLY DEEPIKA	II YEAR	Deepika
120	SHAIK ALFHAS	II YEAR	Shai'k
121	T. SWAPNA	II YEAR	Swapna
122	T. ARUN KUMAR	II YEAR	Arun Kumar
123	Y. VANDHNA REDDY	II YEAR	Vandy
124	U. RAMYA	II YEAR	Ramya
125	K. GOWTHAMI	II YEAR	Gowthami
126	J. AKSHARA	II YEAR	Akshara


 COORDINATOR


 HOD



DRK INSTITUTE OF SCIENCE & TECHNOLOGY

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043.

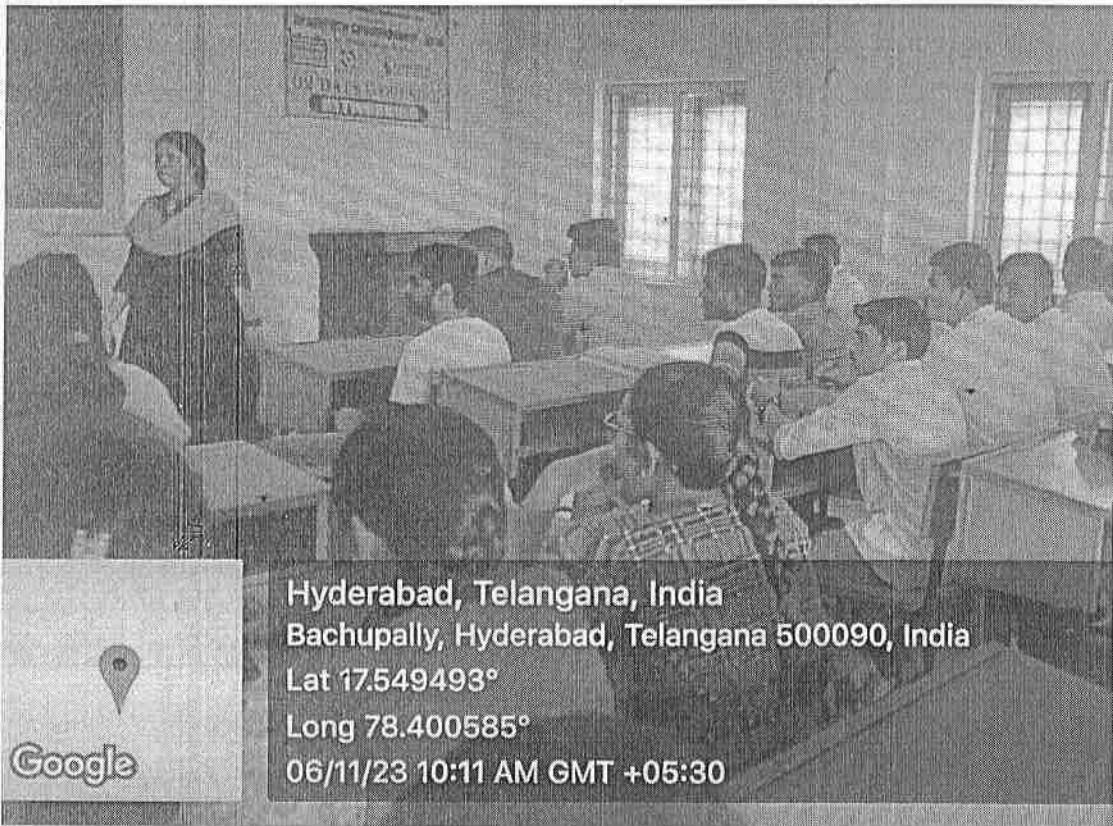
Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

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Department of Management

Report on Certification Course on “Innovation & Creativity in Business”

1. Title of course Business	: Certification course on “ Innovation & Creativity in
2. Course Period	: 06-11-2023 to 16-11-2023
4. Venue	: Seminar Hall-010
5. Name of Event Coordinator	: Ms. L. RENUKA
6. Number of Students	: 120
7. Course Objective	: <ul style="list-style-type: none">• To understand the basics of creativity and innovation.• To know the process of individual creativity.• To understand the various innovation and creativity techniques in entrepreneurship to sustain in the long run.
8. Course Outcomes	: <ul style="list-style-type: none">• The learner understands the strategies to build lifelong creativity.• The learner understands the power of strategy innovation.• The learner gains an exposure into the process of managing innovation in business.

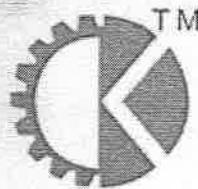


Hyderabad, Telangana, India
Bachupally, Hyderabad, Telangana 500090, India
Lat 17.549493°
Long 78.400585°
06/11/23 10:11 AM GMT +05:30

Lency
Event Coordinator

P. Prabanthi
HOD

Jin
Principal
PRINCIPAL
DRK Institute of Science & Technology
Bowenpet, Qutubullapur, Hyderabad-500 043.



DRK INSTITUTE OF SCIENCE & TECHNOLOGY

BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD-500043

Mobile: +91-9000711899, +91-8790711899, FAX: 08418-242522, Website: www.drkist.edu.in

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Department of Management

ATTENDANCE SHEET

Certification Course on “Innovation & Creativity in Business”

15	KAPPARI SRAVANTHI	P	P	P	P	P	P	P	P	P
16	KHALISTA ANTONY DESOUZA	P	P	P	P	P	P	P	P	P
17	KODIDE SOWMYA	P	P	P	P	P	P	P	P	P
18	KODURU MADHU BALA	P	P	P	P	P	P	P	P	P
19	MAMIDISHETTI SAITEJA	P	P	P	P	P	P	A	P	P
20	MANISH KUMAR	P	P	P	P	P	P	P	P	P
21	MANOOR CHITRA	P	P	P	P	A	P	P	P	P
22	MAYANI SHIREESHA	P	P	P	P	P	P	P	P	P
23	METTUGADPULA SOLOMON RAJ	P	A	P	P	P	P	P	P	P
24	MOHAMMED ABDUL RIYAZ	P	P	P	P	P	P	P	P	P
25	MANDLI GURU SAI	P	P	P	P	P	P	P	P	P
26	MUDDAM NAVYA SRI	P	P	P	P	P	P	P	P	P
27	MUDDAM SHRAVYA SRI	P	P	P	P	P	P	P	A	P
28	NENAVATH SURENDER	P	P	P	P	P	P	P	P	P
29	NINGAM LOKESHWARREDDY	P	P	P	P	P	P	P	P	P
30	NUTHALAKANTI NIVEDITHA	P	P	P	P	P	P	P	P	P
31	PAREKEPALLY SAI SREEJA	P	P	P	P	P	P	P	P	P
32	S TARUN	P	P	P	P	P	P	P	P	P
33	SAYYAD SHARUK	P	P	P	P	P	P	P	P	P
34	SIMRANBEGUM	P	P	P	P	A	P	P	P	P
35	SOUDA SARIKA	P	P	P	P	P	P	P	P	P
36	SRIMALLE ANVESH	P	P	P	P	P	P	P	P	P
37	SURAGANI MANASA	P	P	P	P	P	P	P	P	P
38	TEJAVATH DINESH CHANDRA	P	P	P	P	P	P	P	A	P
39	THIPPANAMYNA SWAMY	P	P	P	P	P	P	P	P	P
40	TURKAPALLY SUJAYKUMAR	P	P	P	P	P	P	P	P	A
41	VARTYA SANDEEP	P	P	P	P	P	P	P	P	P
42	VELDANDI RAGINI	P	P	P	P	P	P	P	P	P
43	VORULOTHU ANJALI	P	P	P	P	P	P	P	P	P
44	YESAHALA SRIKANTH	P	P	P	P	P	P	D	P	P

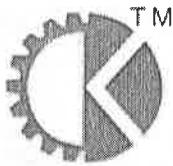
45	B VENKAT NARENDER	P	P	P	P	P	P	P	P	P
46	CHOKKA RAJA SRI HARI	P	P	P	P	P	P	P	P	P
47	G ADITI	P	P	P	P	P	P	P	P	P
48	GILLA SRUJANA	P	P	P	P	P	P	P	P	P
49	GUDLA KOMALI	P	P	P	P	P	P	P	A	P
50	K DHAYATRI	P	P	P	P	P	D	P	P	P
51	KANURI JOHN VIJAY RAJU	P	P	P	P	P	P	P	P	A
52	L SAI KUMAR	P	P	P	P	P	P	P	P	P
53	MADIREDDY RAVIKANTHREDDY	P	P	P	P	P	P	P	P	P
54	NACHARAM SANDEEPtha	P	P	P	P	P	P	P	P	P
55	NALLAMEKALA LAKSHMI	P	P	P	P	P	P	A	P	P
56	PANDY PAVAN KUMAR	P	P	P	P	P	P	P	P	P
57	PUTCHA KOTI VEERANJANEYULU	P	P	P	P	P	P	A	P	P
58	PYATA NAresh	P	P	P	P	P	P	P	P	P
59	RAYUDU LAVANYA	P	P	P	P	P	P	P	A	P
60	TANISHA JAISWAL	P	P	P	P	P	P	P	P	P
61	VESHALA CHANDANA	P	P	P	P	P	P	P	P	P
62	NARNE ANUPAMA	P	P	P	P	P	P	P	P	P
63	PARSHETTY SAI RATNA	P	P	P	P	P	P	P	P	P
64	AFROZ KHAN	P	P	P	P	P	A	P	P	P
65	BAGARI SATHWIKA	P	P	P	P	P	A	P	P	P
66	BALAKKA SHARANYA	P	P	P	P	P	P	P	P	P
67	BANDI MOUNIKA	P	P	P	P	P	P	P	P	P
68	BANDROLLU MAHESHWARI	P	P	P	P	P	P	P	P	P
69	BODDU SRINIVAS	P	P	P	P	P	P.	P	P	P
70	BYAGARI AMALA	P	P	P	P	P	P	P	P	P
71	DASARI ANUSHA	P	P	P	P	P	P	P	P	P
72	DEVARAYA LALITHA	P	A	P	A	P	P	P	P	P
73	DURGAPOLA MOUNIKA	P	P	P	P	P	P	P	P	P
74	GAJELLI RAJU	P	P	P	P	P	D	A	P	P
75	G SAI KIRAN YADAV	P	P	P	P	P	P	P	P	P
76	GUNDAVENI MEGHANA	P	P	D	P	P	D	P	P	A

77	JOGU LAKSHMI	P	P	P	P	P	P	P	P	P
78	KANAPURAM ALEKYA	P	P	P	P	P	P	P	P	P
79	KAPILA SHIVA SAI	P	P	P	P	P	P	P	P	P
80	KASAGANI DHANESH	P	P	P	P	P	P	P	P	P
81	KURUMOJI KUSUMA	P	P	P	P	P	P	P	P	P
82	LAKAVATH PRAKASH	P	P	P	P	P	P	P	P	P
83	M TARUN SAI	P	P	P	P	P	P	P	P	P
84	MAMIDI MOUNIKA	A	P	P	P	P	P	P	P	P
85	MEKA RAVI CHANDANA	P	P	P	P	A	P	P	P	P
86	M VISHWAMHARA JYOTHIRVYAS	P	P	P	P	P	P	P	P	P
87	MIRZA SABIUL HASSAN ALI BAIG	P	P	P	P	P	P	A	P	P
88	MOHD IMTHIYAZ	P	P	P	P	P	P	P	P	P
89	MULAKALA PUSHYA	P	P	P	P	P	P	P	P	P
90	N MOHAN	P	P	P	P	P	P	P	P	A
91	N SRAVAN KUMAR	P	P	P	P	P	P	P	P	P
92	NAGUNOORI GIRIDAR RAJ	P	P	P	P	P	P	P	P	P
93	N SATYA KALYANI	P	P	P	P	P	P	P	P	P
94	PADALA SUSHMAJA	P	P	P	P	P	P	P	P	P
95	P AMAR SUBHAN REDDY	P	P	P	P	P	P	P	P	P
96	P VEERA VINEETHA	P	Q	P	P	P	P	P	A	P
97	PRATIMA MAHARANA	P	P	P	P	P	P	P	P	P
98	RUHI SHABNAM	P	P	P	P	P	P	P	P	P
99	SHIVALI RAMYA	P	P	P	P	P	P	P	P	P
100	SUDDALA MOUNIKA	P	P	P	P	P	A	P	P	P
101	SUPPALA VARUN	P	P	P	P	P	P	D	P	P
102	TALARI JYOTHSNA	P	P	P	A	P	P	P	P	P
103	ULIGUNDAM AMBICA	P	P	P	P	P	P	P	P	P
104	V LAKSHMI PRASANNA	P	P	P	P	P	P	P	P	A
105	VUPPALLI SREEKANTH	P	P	P	P	A	P	P	P	P
106	ADDAGATLA MANITEJA	P	P	P	P	P	P	P	A	P
107	A VIMALAPRIYANKA	P	P	P	P	P	P	P	P	P
108	BEVARA VANAJAKSHI	P	P	P	P	P	P	P	D	P
109	ESAM SUMA KIRANMAI	P	P	P	P	P	P	P	P	P
110	JANDHA SRAVANI	P	P	P	P	P	A	P	P	P

111	KALAVALA LAVANYA	P	P	P	P	P	P	P	P	P
112	KAVULURI AJAY	P	P	P	P	P	P	P	P	P
113	KIMALI SANKEERTHANA	P	P	P	P	P	P	P	P	P
114	KONGARA SANDHYA RANI	A	P	P	P	P	P	P	P	P
115	M ANJANEYULU	P	P	P	P	P	P	P	P	P
116	NAGENDLA BHARGAVI	P	P	P	P	P	P	P	P	P
117	ORUGANTI GANAPATHI	A	A	P	P	P	P	P	P	P
118	PANDALA SHARATH GOUD	P	P	A	P	P	P	P	P	P
119	POTHULAPALLY DEEPIKA	P	P	P	P	P	P	P	P	P
120	SHAIK ALFHAS	P	P	P	D	A	P	P	D.	P

Henley
Event Coordinator

P. Prasanthi
HOD



Examination for Certified course on "Innovation & Creativity in Business"

Name: G. Kamali

Roll No: 23N71f0049

Date: 18-11-2023

Duration: 1 Hr

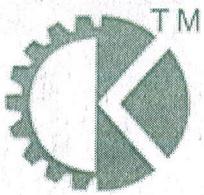
Room No: 010

Marks: 16 /20 marks

Answer all the Following Questions: 20*1=20 Marks

1. Who is the father of modern creativity [b] ✓
a. Edison b. Thomas c. Albert d. Paul Torrance
2. "Creativity is seeing what everyone else has seen, and thinking what no one else has thought" [b] ✓
a. Albert Einstein b. Robin c. Robert Franklin d. Thomas
3. Who developed creativity process [a] ✓
a. Robert Franklin b. Graham Wallis c. Paul Torrance d. George
4. A. R. Rahman is an _____ composer [a] ✗
a. Western b. Hindustani c. Indian d. Folk
5. Disney is considered an _____ Cultural Icon [c] ✗
a. National b. International c. Domestic d. Local
6. Who is one of the most significant innovators and inventors in American history [b] ✓
a. Thomas Edison b. Steve Jobs c. Albert d. Bill Gates
7. Who found Microsoft [d] ✓
a. Thomas Edison b. Steve Jobs c. Albert d. Bill Gates
8. Disney creative strategies include dreamer ,Realist ,Critic [b] ✓
a. True ✗
b.

9. The term ----- refers to the process of creating those innovative solutions [b] ✓
a. Creativity b. Innovation c. Discovery d. None
10. _____ techniques is designed for reframing the problem [a] ✓
a. Creativity b. Discovery c. Innovation d. Invention
11. Incubation is a temporary break from creative problem solving that can result in insight. [b] ✓
a. False b. True
12. ----- is the process of idea generation and it never goes out of fashion [b] ✓
a. 360*Creativity b. Morphological box c. Mind Mapping d. None
13. A mind map is a graph used to visualize the organized information [b] ✓
a. True b. False
14. _____ is the father of brainstorming [b] ✗
a. Alex Osborn b. Alex Samuel c. Bill Bernbach d. None
15. Jobs developed products like McIntosh, the ipod and the iPhone [a] ✓
a. True b. False
16. Intelligence is not necessary ,but it is a sufficient condition for creativity [a] ✓
a. True b. False
17. The key to mind mapping is to take a note on every idea that comes up [b] ✓
a. True b. False
18. Who among the following is the founder of Infosys limited? [a] ✓
a. N.R.Narayana Murthy b. Nandan Nilekani c. N.S.Raghan d. All of the above
19. Who is the founder of coffee day? [C] ✗
a. Yagnanarayana Maiya b. Peter Buck c. P.C.Musthafa
d. V.G.Siddhartha
20. The English word creativity comes from the term [C] ✓
a. Greek b. Latin c. French d. None of the above



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(Approved by AICTE, Affiliated to JNTUH)

Department of Management

Certification Course on "Innovation & Creativity in Business"

Grade Sheet

Sl. No	Student Name	Grade
1.	AKULA ANUDEEP VARMA	A+
2.	BINGI RAMYA	A
3.	CHEPYALA SRILATHA	B
4.	CHINTALAPUTTI SRAVANI	B+
5.	CHINTHA MAMATHA	A+
6.	CHINTHAKUNTA AKHILA	A
7.	DEEPAK SINGH	B
8.	DEEVI PUNYAVATHI RANGAVALLI	B+
9.	DOODAM SHRAVANI	B
10.	DUDAVATH SWATHI	A
11.	GADDAM MOUNIKA	A
12.	GADDAM NAVYA	A+
13.	GARIPALLY TEJASRI	A
14.	JYOTHI BHARATHI	A
15.	KAPPARI SRAVANTHI	A+
16.	KHALISTA ANTONY DESOUZA	B+
17.	KODIDE SOWMYA	B
18.	KODURU MADHU BALA	B+
19.	MAMIDISHETTI SAITEJA	B
20.	MANISH KUMAR	A+
21.	MANOOR CHITRA	A
22.	MAYANI SHIREESHÀ	B+
23.	METTUGADPULA SOLOMON RAJ	B
24.	MOHAMMED ABDUL RIYAZ	B+
25.	MANDLI GURU SAI	A+
26.	MUDDAM NAVYA SRI	A
27.	MUDDAM SHRAVYA SRI	A+
28.	NENAVATH SURENDER	A+
29.	NINGAM LOKESHWARREDDY	B+
30.	NUTHALAKANTI NIVEDITHA	B+

31.	PAREKEPALLY SAI SREEJA	A+
32.	S TARUN	A
33.	SAYYAD SHARUK	B+
34.	SIMRANBEGUM	B
35.	SOUDA SARIIKA	B+
36.	SRIMALLE ANVESH	B
37.	SURAGANI MANASA	B+
38.	TEJAVATH DINESH CHANDRA	A+
39.	THIPPANAMYNA SWAMY	A
40.	TURKAPALLY SUJAYKUMAR	A
41.	VARTYA SANDEEP	B+
42.	VELDANDI RAGINI	B
43.	VORULOTHU ANJALI	B+
44.	YESAHALA SRIKANTH	A+
45.	B VENKAT NARENDER	A
46.	CHOKKA RAJA SRI HARI	A+
47.	G ADITI	A+
48.	GILLA SRUJANA	A
49.	GUDLA KOMALI	B+
50.	K DHAYATRI	B
51.	KANURI JOHN VIJAY RAJU	B+
52.	L SAI KUMAR	B
53.	MADIREDDY RAVIKANTHREDDY	A+
54.	NACHARAM SANDEEPtha	A+
55.	NALLAMEKALA LAKSHMI	B+
56.	PANDY PAVAN KUMAR	B
57.	PUTCHA KOTI VEERANJANEYULU	A+
58.	PYATA NAresh	A+
59.	RAYUDU LAVANYA	B
60.	TANISHA JAISWAL	A
61.	VESHALA CHANDANA	A
62.	NARNE ANUPAMA	A
63.	PARSHETTY SAI RATNA	A
64.	AFROZ KHAN	B+
65.	BAGARI SATHWIKA	B+
66.	BALAKKA SHARANYA	B
67.	BANDI MOUNIKA	B+
68.	BANDROLLU MAHESHWARI	A
69.	BODDU SRINIVAS	A
70.	BYAGARI AMALA	A
71.	DASARI ANUSHA	A
72.	DEVARAYA LALITHA	A
73.	DURGAPOLA MOUNIKA	A

74.	GAJELLI RAJU	A+
75.	G SAI KIRAN YADAV	A
76.	GUNDAVENI MEGHANA	A
77.	JOGU LAKSHMI	A+
78.	KANAPURAM ALEKYA	A
79.	KAPILA SHIVA SAI	B+
80.	KASAGANI DHANESH	B
81.	KURUMOJI KUSUMA	B+
82.	LAKAVATH PRAKASH	A
83.	M TARUN SAI	A
84.	MAMIDI MOUNIKA	A+
85.	MEKA RAVI CHANDANA	A
86.	M VISHWAMHARA JYOTHIRVYAS	B+
87.	MIRZA SABIUL HASSAN ALI BAIG	B
88.	MOHD IMTHIYAZ	B+
89.	MULAKALA PUSHYA	B
90.	N MOHAN	B+
91.	N SRAVAN KUMAR	B
92.	NAGUNOORI GIRIDAR RAJ	A+
93.	N SATYA KALYANI	A
94.	PADALA SUSHMAJA	A+
95.	P AMAR SUBHAN REDDY	A
96.	P VEERA VINEETHA	B+
97.	PRATIMA MAHARANA	B
98.	RUHI SHABNAM	B
99.	SHIVALI RAMYA	A+
100.	SUDDALA MOUNIKA	A
101.	SUPPALA VARUN	A+
102.	TALARI JYOTHSNA	A
103.	ULIGUNDAM AMBICA	A
104.	V LAKSHMI PRASANNA	B+
105.	VUPPALLI SREEKANTH	B+
106.	ADDAGATLA MANITEJA	A
107.	A VIMALAPRIYANKA	A
108.	BEVARA VANAJAKSHI	A
109.	ESAM SUMA KIRANMAI	A
110.	JANDHA SRAVANI	B+
111.	KALAVALA LAVANYA	B
112.	KAVULURI AJAY	B
113.	KIMALI SANKEERTHANA	A+
114.	KONGARA SANDHYA RANI	A
115.	M ANJANEYULU	A
116.	NAGENDLA BHARGAVI	A

117.	ORUGANTI GANAPATHI	A
118.	PANDALA SHARATH GOUD	AT
119.	POTHULAPALLY DEEPIKA	A
120.	SHAIK ALFHAS	B

Renuka
Event Coordinator

P. Prabanthi
HOD of MBA Department



BOWRAMPET (V), VIA AIRFORCE ACADEMY, HYDERABAD – 500043

DEPARTMENT OF MANAGEMENT

CERTIFICATE OF PARTICIPATION

This is to certify that

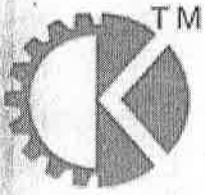
Ms. N. BHARGAVI

MBA Student of 2023-24, has actively participated in the
Ten days certified course (06/11/2023 To 16/11/2023) on
“Innovation & Creativity in Business”.

Renuka
Coordinator

P. Prabanthi
HOD

hira
Principal



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Department of Management

FEEDBACK FORM OF CERTIFICATE COURSE

Course Title: Certification course on "Innovation & Creativity in Business"

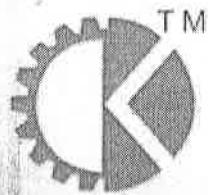
Name of Participate: *N. Mohan*

Semester: *II SEM*

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The amount of material covered was sufficient	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The course gives fair exposure to industry-based topic	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Duration of course was appropriate	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Course met the overall expectations	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Faculty have good command over the course contents	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The content was clearly explained	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Queries and doubts were cleared by faculty	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Dnyy
Signature of Participant



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Department of Management

FEEDBACK FORM OF CERTIFICATE COURSE

Course Title: Certification course on "Innovation & Creativity in Business"

Name of Participate: P Naresh

Semester: 1st sem

Feedback on Course Content	Excellent	Good	Fair	Poor
The course content is relevant	/			
The amount of material covered was sufficient		/		
The course gives fair exposure to industry-based topic		/		
Duration of course was appropriate		/		
Course met the overall expectations	/			

Feedback on Faculty/Resource Person	Excellent	Good	Fair	Poor
Faculty have fair knowledge over the subject	/			
Faculty have good command over the course contents	/	/		
The content was clearly explained		/		
Queries and doubts were cleared by faculty	/			


Signature of Participant