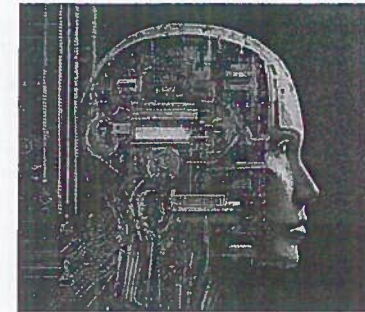


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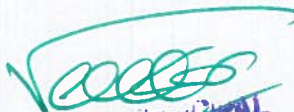
Certificate program
on
“Artificial Intelligence
using
Machine learning”



12th December 2022 TO 16th December 2022

Mr.N.Narendra

Director, Application domains\Project Management.
Vijayawada.


Principal
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU: ONGOLE

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)
NH-16, Valluru-523272, Ongole, Prakasam (Dist), AndhraPradesh, India

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Valluru,

Date: 06-12-2022.

To

N. Narendra,
Director, Application domains\Project Management,
Vijayawada.

Dear Sir,

Subject: A letter of Invitation to conduct a 5 Day Certificate program on “Artificial Intelligence with Machine Learning” - Reg.

Greetings from RISE Krishna Sai Gandhi Group of Institutions, Ongole


The RISE Institutions started functioning from the academic year 2009-10 and offering undergraduate courses in several engineering branches namely CE, CSE, ECE, EEE and ME.


As per the discussion with Mr. P. Isaac Paul, Professor & HOD, CSE Department of our Institute, I hereby take this opportunity to invite you to conduct the Certificate program on **Artificial Intelligence with Machine learning** “ From 12-12-2022 to 16-12-2022.

You are requested to interact and provide guidance to our III B.Tech students, who are looking forward to their bright career ahead. I will feel honored by your gracious presence at our organization. I believe that your lecture will help our students and faculty members to explore knowledge.

Thanking you in anticipation.

Yours sincerely,


PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.


Principal
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.

N. Narendra

Managing Director

Personal Summary

N. Narendra has a record of organizing Institutional Industry oriented up-gradation programs for undergraduates. Experienced in delivering recent trend technologies to the personnel in vivid methodologies. Providing a lawn of possibilities in the specified area which strengthen the personnel in growing the skills required for their success in the present day competence. He has experience as a guest lecturer, assistant professor and a research fellow. His main interest in this has been to prove the potential and ability of the personnel.

Professional Summary


- Delivered services as Guest Lecturer for “ARTIFICIAL INTELLIGENCE WITH MACHINE LEARNING” in Andhra University College of Engineering.
- Worked as Assistant Professor in couple of Engineering Colleges.
- As Junior Research Fellow in Defence Research & Development Laboratory.

Areas of Expertise

- **Product Development:** Evolving modules that enable a final product meeting the End- User requirements and facilitate easy utility of the product
- **Project Management:** Maintaining strategic planning and supporting the team in delivering Robust Models by providing employ friendly platform.
- **Organizing Training Sessions:** Planned tabulation for training and hands on expertise for the personnel under training.

Professional Skills and Competencies

- Strong knowledge on Software tools like Mentor- Graphics required for ARTIFICIAL INTETLLIGENCE.


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VALURU, C

- Good knowledge on Software design and development includes AI Application in E-Commerce, Education, Lifestyle, Navigation Robotics, Healthcare, Agriculture, Gaming, Automobiles, Social Media, Marketing,

Key Roles

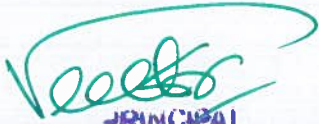
- Academic Director for KR's Educational Society.
- Coordinator for Technical Symposium in Holy Mary Group of Institutions.

Qualification

Post Graduation (M.S) in Computer Technology

Bachelor of .Tech(CSE)

References - Available on Request.


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NH-16, Valluru-523272, Ongole, Prakasam (Dist), AndhraPradesh, India


Department of Computer Science and Engineering

PROPOSAL FORM

SUB: 5 Day Certificate program” Artificial Intelligence with Machine learning ”-Programme

To the Secretary/Correspondent through Principal for kind approval

1	NAME OF THE INSTITUTION	Rise Krishna Sai Gandhi Group of Institutions
2	NAME OF THE DEPARTMENT	Computer Science and Engineering
3	TITLE OF THE PROGRAMME	5 Day Certificate program
4	NAME OF THE PROGRAMME	5 Day Certificate program on“ Artificial Intelligence with Machine learning ”
5	OBJECTIVE OF THE PROGRAMME	To bring the exposure in the recent advancements in the subject.
6	DETAILS OF RESOURCE PERSON(S)& CV ATTACHED.	N. Narendra Director, Application domains\Project Management. Vijayawada.
7	PROPOSED DATE(S)/ACADEMIC YEAR	12-12-2022 to 16-12-2022
8	DURATION OF THE PROGRAMME	5-Days
9	VENUE	Seminar Hall
10	TARGETS	III CSE students
11	No. OF PARTICIPANTS	110 students
12	REGISTRATION FEE	Nil
13	NAME OF PROGRAMME CO ORDINATOR(S)	Mr.k.NAGA SURESH ,Assoc..professor
14	NAME OF THE STUDENTS COORDINATOR(S)	1. KOMMI SUMANTH(208B1A0540)


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		2. SIRIGIRI SAI KUMAR (208B1A0550) 3. YADAVALLI AVINASH(208B1A05A8) 4. BOYA RAJU(218B5A0504)
5	SOURCE OF FUND IDENTIFIED	Management
16	MANAGEMENT CONTRIBUTION REQUIRED	YES /NO
17	NAME OF BUDGETORY MEMBERS	1.Mr. P. ISSAC PAUL (HOD) 2. Mr.K.NAGA SURESH (CO ORDINATOR)

SUBMITTED BY



HOD
 HEAD OF THE DEPARTMENT
 Department of CSE
 RISE Krishna Sai Gandhi Group of
 Institutions, VALLUR, A.P.-523 272



PRINCIPAL
RISE KRISHNA SAI GANDHI
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VALLURU:: ONGOLE.

**A FIVE DAY CERTIFICATE
PROGRAMME ON**

**“Artificial Intelligence using
with Learning “
12th – 16th DEC- 2022.**



Coordinator

Mr.K.NAGA SURESH
Asst..prof

Organized by

**Department of Computer Science and
Engineering**

**RISE KRISHNA SAI
GANDHI GROUP OF INSTITUTIONS**
(Approved By AICTE-NEW DELHI, Affiliated To JNTUK
KAKINADA)
(NBA accredited ECE, EEE, and CE & ME)
An ISO 9001:2015 Certified Institute
NH-16, Valluru, Ongole,
Prakasam District, A.P-523272
Phone : +91 99662 72111
mail id : rise_gandhi@yahoo.com

ORGANIZING COMMITTEE

Chief Patrons

Sri SIDDA. VENKATESWARA RAO
Chairman

Sri I. C. RANGAMANNAR
Hon'ble Chairman

Sri SIDDA. HANUMANTHA RAO
Secretary

Sri SIDDA. BHARATH
Treasurer

Patron

Prof. Dr. K.V.SUBRAHMANYAM
Principal

Coordinator

Mr.K.NAGA SURESH
Asst.prof


PRINCIPAL
**RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.**

STUDENT REGISTRATION FORM

Name :

Gender :

Department :

Institution :

Address for Communication.

.....

.....

.....

PIN :

EMAIL :

MOBILE NO. :

About RISE:-

RISE KRISHNA SAI Gandhi Group of Institutions is located in the outer suburb of the calm town, Ongole in Prakasam district in Andhra Pradesh. RISE KRISHNA SAI Gandhi Group of Institutions offers unparalleled Engineering, Management and Computer Education.

The most competent and dedicated technical and human resources in the campus sharpen students and their skills. They, thereby, shall be sure to make the greatest possible strides both in their career and life!

The Institution was established on 5th October 2009 by RISE which stands for Rural Institute of Social and Economic Empowerment.

The institution is approved by AICTE, New Delhi and Govt. of Andhra Pradesh and is affiliated to Jawaharlal Nehru Technological University, Kakinada (JNTUK).

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

About Department:-

The department of Computer Science Engineering was established in 2009 with an intake of 60 students in the UG programmer.

The intake was enhanced to 120 in 2010 with highly qualified and experienced faculty and has good infrastructural facilities

and is equipped with full-fledged laboratories. The department also has audiovisual facilities with sufficient LCD and OHP's for effective teaching.

The staff members are deputed to participate in workshops, conferences and refresher courses to keep in pace with recent developments in the field of Computer Science & Engineering.

Objectives of the Programme:-

The goals of artificial intelligence include computer-enhanced learning, reasoning, and perception.

AI is being used today across different industries from finance to healthcare. Weak AI tends to be simple and single-task oriented, while strong AI carries on tasks that are more complex and human

Course Contents:-

Introduction: What to Expect from AI
History of AI from 40s - 90s,

History of AI in the 90s,
History of AI in NASA & DARPA(2000s)
The Present State of AI.

Definition of AI Dictionary Meaning

Introduction: Definition of AI
Thinking VS Acting and Humanly VS Rationally

Introduction: Definition of AI Rational
Agent View of AI

Introduction: Examples, Tasks, Phases
of AI

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Uniform Search: Notion of a State

Informed Search: Best First Search Local

Search: Satisfaction Vs Optimization

Adversarial Search: Minimax Algorithm

for two player games Constraint Satisfaction

Problems: Representation of the atomic state

Map coloring and other examples of
CSP Backtracking Search

Variable and Value Ordering in
Backtracking Search

Inference for detecting failures early
Exploiting problem structure

Logic in AI: Different Knowledge
Representation systems - 1 Uncertainty in AI:
Motivation

Bayesian Networks: Rejection
Sampling

Decision Theory: Steps in Decision
Theory

Resource Person:-

N. Narendra,

Director, Application domains\Project
Management , Vijayawada.

Guidelines:-

No participant fee will be collected.

Session time will be from 9:00AM to

5:00PM.



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NH-16, Valluru -523272, Ongole, Prakasam District, A.P, India.

Department of Computer Science and Engineering

Valluru,
Date: 10-12-2022.

CIRCULAR

This is to inform III B.Tech students and faculty that there will be a 5-Day Certificate program on “**Artificial Intelligence with Machine Learning**” from 12-12-2022 to 16-12-2022 by N. Narendra, Director, Application domains/Project Management, Vijayawada.


Copy to:


Principal

Staff Circular

Students of CSE III year

CSE Department Notice Boards


Professor and HOD
HEAD OF THE DEPARTMENT
Department of CSE
RISE Krishna Sai Gandhi Group of
Institutions, VALLUR, A.P.-523 272


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NH-16, Valluru -523272, Ongole, Prakasam District, A.P, India.

Department of Computer Science & Engineering

Schedule for "ARTIFICIAL INTELLIGENCE USING MACHINE LEARNING"

S.No	Date	Time	Topics Covered
1	12-12-2023	9.00am to 10.00am	Opening ceremony
		10.00am to 12.40pm	1. Introduction: What to Expect from AI 2. Introduction: History of AI from 40s - 90s
			Lunch
		1.20pm to 5.00pm	3. Introduction: History of AI in the 90s 4. Introduction: History of AI in NASA & DARPA(2000s) 5. Introduction: The Present State of AI
2	13-12-2023	9.00am to 12.40pm	6. Introduction: Definition of AI Dictionary Meaning. 7. Introduction: Definition of AI Thinking VS Acting and Humanly VS Rationally
		1.20pm to 5.00pm	8. Introduction: Definition of AI Rational Agent View of AI 9. Introduction: Examples Tasks, Phases of AI & Course Plan 10. Uniform Search: Notion of a State


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3	14-12-2023	9.00am to 12.40pm	11. Informed Search: Best First Search 12. Local Search: Satisfaction Vs Optimization 13. Techniques in machine learning
		Lunch	
		1.20pm to 5.00pm	14. Adversarial Search: Minimax Algorithm for two player games 15. Constraint Satisfaction Problems: Representation of the atomic state
4	15-12-2023	9.00am to 12.40pm	16. Map coloring and other examples of CSP 17. Backtracking Search
		Lunch	
		1.20pm to 5.00pm	18. Variable and Value Ordering in Backtracking Search 19. Inference for detecting failures early 20. Exploiting problem structure
5	16-12-2023	9.00am to 12.40pm	20. Logic in AI: Different Knowledge Representation systems - 1 21. Uncertainty in AI: Motivation 22. Bayesian Networks: Rejection Sampling
		Lunch	


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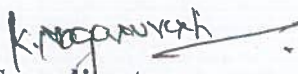


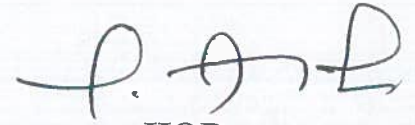
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		1.20pm to 4.00pm	23 Decision Theory: Steps in Decision Theory 24 Reinforcement Learning: Background 25 Deep Learning: Perceptron's and Activation functions
		4.00pm to 5.00pm	Closing ceremony


Coordinator


HOD

HEAD OF THE DEPARTMENT
Department of CSE
RISE Krishna Sai Gandhi Group of
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NH-16, Valluru -523272, Ongole, Prakasam District, A.P, India.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : *S. Afsana*

DATE: *16-12-2022*

ROLL NO : *208BIA0578*

A.Y: *2022-23*

PROGRAMME NAME : *AI using Machine Learning.*

S.NO	FEED BACK POINTS	1	2	3	4	5
1	Is the Programme useful or not?					✓
2	Is the Programme well planned or not?				✓	
3	Programme makes objectives clear?					✓
4	Programme speaker speaks clearly and audibly?				✓	
5	Speaker explains with examples clearly?					✓
6	Is your Doubts clarified or not?					✓

5-EXCELLENT 4-GOOD 3-AVERAGE 2-POOR 1-NO COMMENT

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : *P. Anitha*

DATE: *16/12/22*

ROLL NO : *208BIA0518*

A.Y: *2020-2023*

PROGRAMME NAME : *AI using machine learning*

S.NO	FEED BACK POINTS	1	2	3	4	5
1	Is the Programme useful or not?					✓
2	Is the Programme well planned or not?				✓	
3	Programme makes objectives clear?					✓
4	Programme speaker speaks clearly and audibly?					✓
5	Speaker explains with examples clearly?				✓	
6	Is your Doubts clarified or not?					✓

5-EXCELLENT

4-GOOD

3-AVERAGE

2-POOR

1-NO COMMENT

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : P Venkata Raja Harshini DATE: 16-12-22
ROLL NO : 208BTA0502 A.Y: 2022-2023
PROGRAMME NAME : AI using Machine Learning

S.NO	FEED BACK POINTS	1	2	3	4	5
1	Is the Programme useful or not?					✓
2	Is the Programme well planned or not?					✓
3	Programme makes objectives clear?				✓	
4	Programme speaker speaks clearly and audibly?					✓
5	Speaker explains with examples clearly?					✓
6	Is your Doubts clarified or not?					✓

5-EXCELLENT 4-GOOD 3-AVERAGE 2-POOR 1-NO COMMENT


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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : M. Rama

DATE: 16 - 12 - 22

ROLL NO : 208B1A0513

A.Y: 2022-2023

PROGRAMME NAME : AI using machine learning .

S.NO	FEED BACK POINTS	1	2	3	4	5
1	Is the Programme useful or not?				✓	
2	Is the Programme well planned or not?					✓
3	Programme makes objectives clear?					✓
4	Programme speaker speaks clearly and audibly?					✓
5	Speaker explains with examples clearly?					✓
6	Is your Doubts clarified or not?					✓

5-EXCELLENT 4-GOOD 3-AVERAGE 2-POOR 1-NO COMMENT

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NH-16, Valluru-523272, Ongole, Prakasam (Dist), Andhra Pradesh, India

Department of Computer Science and Engineering

Certificate program Feedback Analysis

Topic : 5 DAY Certification program on
"ARTIFICIAL INTELLIGENCE USING MACHINE LEARNING"


Resource Person : N. Narendra, Director, Application domains/Project Management,
Vijayawada.

Dates : 12-12-2022 to 16-12-2022

Venue : Seminar Hall

Targeted Students : III Year students

S.No	No. of students Participated	No. of students given feedback	Feedback %
1	110	110	100%


Co-ordinator



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VALLURU, ONGOLE.



Head of the Department
HEAD OF THE DEPARTMENT,
Department of CSE
RISE Krishna Sai Gandhi Group of
Institutions, VALLURU, A.P.-523 272



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
FEEDBACK ANALYSIS

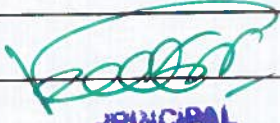
A.Y: 2022-23

Year : III B.Tech CSE

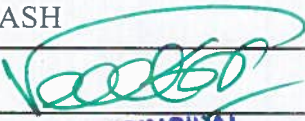
Date: 16-12-2022

Certificate Program on "AI USING MACHINE LEARNING"

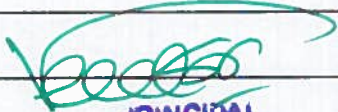
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1	208B1A0501	BACHINA VENKATA SARAYU	5	4	5	4	4	5
2	208B1A0502	BHOGALA AKHILA	5	4	4	5	5	4
3	208B1A0503	BOMMINENI PAVITHRA	5	5	5	4	4	5
4	208B1A0504	DASARI HIMABINDU	5	5	5	5	5	4
5	208B1A0505	DIYYA ANJALI	5	5	5	4	5	5
6	208B1A0506	GADE NAVEENA	4	4	5	5	5	5
7	208B1A0507	GOPISETTY PRATHYUSHA	5	5	4	4	5	4
8	208B1A0508	KOTAPATI SHIVANI	4	5	4	5	5	5
9	208B1A0509	KUNCHALA RAMYA	4	4	5	4	4	4
10	208B1A0510	MALLAVARAPU PRATHYUSHA	4	4	4	5	4	5
11	208B1A0511	MANNEPALLI MEGHANA	4	5	4	4	5	5
12	208B1A0512	MARAM LAKSHMI	5	5	4	5	5	4
13	208B1A0513	MATTEGUNTA RAMA	4	5	5	5	5	5
14	208B1A0514	NAGARAJU KAVITHA	5	5	4	5	5	5
15	208B1A0515	NAGINENI LEELANANDINI	5	4	5	5	5	5
16	208B1A0516	NALLURI HEMALATHA	4	5	4	4	5	4
17	208B1A0517	PADAKANDLA BABY SHALINI	5	5	4	4	4	5


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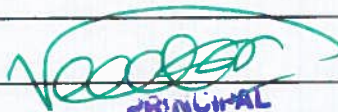
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19	208B1A0519	PATRA SANKEERTHAMMA	4	5	4	4	5	4
20	208B1A0520	PATTAN MOBEENA	4	5	5	4	5	5
21	208B1A0521	PUTLURI SIRISHA	5	5	4	5	5	5
22	208B1A0522	RAGINABOYINA NANDINI	4	4	4	5	5	5
23	208B1A0523	SHAIK KAFIRINNISHA	4	5	5	4	5	4
24	208B1A0524	USURUPATI SUPRAJA	4	4	5	4	5	5
25	208B1A0525	VADDE GNAPIKA	5	5	5	5	4	4
26	208B1A0526	VADDEMGUNTA TEJASWINI	4	5	4	5	5	5
27	208B1A0527	VALASANI MOUNIKA	5	4	5	4	4	4
28	208B1A0528	VEDURURI SWATHI	5	5	5	5	4	5
29	208B1A0529	VELAMPALLI PALLAVI	5	5	4	4	4	5
30	208B1A0530	VELUGU VYSHNAVI	5	4	5	4	4	4
31	208B1A0531	VEMIREDDY SANDHYA	5	5	4	4	5	5
32	208B1A0532	YENDLURI THRISHYA	4	4	4	5	5	5
33	208B1A0533	ANNAVARAPU VENKATA SAI CHANDU	5	4	4	5	5	5
34	208B1A0534	AVULA ANIL REDDY	4	5	4	5	5	4
35	208B1A0536	CHENNAREDDY BHANU PRAKASH	4	4	4	4	4	5
36	208B1A0537	DARSI MOBRASI NAG	5	4	5	5	5	5
37	208B1A0538	GURRAM SWAMI SEKHAR	5	4	4	4	4	5
38	208B1A0540	KOMMI SUMANTH	4	4	4	5	5	4


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RJSE KRISHNA SAI GANDHI
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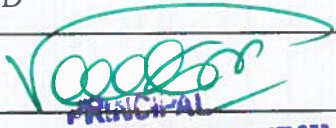
39	208B1A0541	KURICHETI PRABHAS	4	4	5	4	4	5
40	208B1A0542	LAKKAMRAJU LOKESH VARMA	5	4	5	5	5	5
41	208B1A0543	MANGALAPURI JANARDHAN	5	5	4	4	5	4
42	208B1A0544	NAGIREDDY NARENDRA REDDY	5	5	5	5	5	5
43	208B1A0545	PEDANABOYINA VINAY KUMAR	4	5	4	4	4	5
44	208B1A0546	PERAM VENKATA NAGA TEJESWAR REDDY	4	5	4	5	4	5
45	208B1A0547	PODA SAI TEJA	5	5	4	4	5	4
46	208B1A0548	POLICHERLA VENKATA NAGA SAI PRANAY	4	5	5	5	4	5
47	208B1A0549	SHAIK MOHAMMAD BASHA	5	5	5	4	5	5
48	208B1A0550	SIRIGIRI SAI KUMAR	4	5	4	4	5	5
49	208B1A0551	SWAYAMPU TEJENDRA	5	5	4	5	5	5
50	208B1A0552	TANGIRALA PAVAN GOVINDU REDDY	4	5	5	4	4	5
51	208B1A0553	YALALA MANOHAR BABU	4	4	5	4	5	4
52	208B1A0554	YARAMOTHU VAMSI	4	4	4	5	4	5
53	208B1A0555	ASULA MANISHA	4	5	4	4	5	5
54	208B1A0556	BATTHULA SUPRAJA	5	4	4	5	4	5
55	208B1A0557	BODDAPATI SAI SINDHU	4	5	5	5	5	5
56	208B1A0558	CHAVALI SAI SUSMITHA	4	4	5	4	5	4
57	208B1A0559	CHENNUPALLI TRIVENI	4	5	5	5	5	4
58	208B1A0560	DASARI MOUNIKA	5	5	5	4	5	5
59	208B1A0561	DUMPALA SANDHYA RANI	5	5	4	5	5	5


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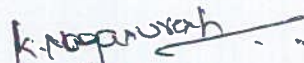
60	208B1A0562	ENAKARLA DEEPTHI	5	5	4	5	5	5
61	208B1A0563	GODDUVELUGULA TULASI	5	5	5	5	4	4
62	208B1A0564	KANCHARLA SUPRIYA	5	4	4	4	5	5
63	208B1A0565	KANKANALA NEELIMA	5	5	5	4	5	5
64	208B1A0566	KARREVULA ANKITHA	4	5	4	5	5	5
65	208B1A0567	MALINENI VENKATA NAGA MOUNIKA	5	5	5	4	5	5
66	208B1A0568	MALLISETTY DIVYASREE	4	4	4	4	4	5
67	208B1A0569	MANNEPALLI VENKATA SAI VINEELA	5	5	5	4	5	5
68	208B1A0570	MARELLA BHAVYASRI	4	5	4	4	5	5
69	208B1A0571	MOPURI SAI DEEPTHI REDDY	4	5	5	4	5	5
70	208B1A0572	NADENDLA GOWTHAMI	4	5	5	5	5	5
71	208B1A0573	PASAM SARASWATHI	4	5	5	4	5	5
72	208B1A0574	REGALAGADDA VENKATAAMULYA	4	5	4	4	5	5
73	208B1A0575	SHAIK AFROSE	5	5	4	4	5	5
74	208B1A0576	SHAIK SHEERIN	5	4	4	5	5	5
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77	208B1A0579	TALARI ANJALI	4	4	5	5	5	5
78	208B1A0581	UNDAVALLI VYSHNAVI	5	4	4	4	5	5
79	208B1A0582	UTIKONDA TRIVENI	4	4	5	5	5	5
80	208B1A0583	YARRAGUNTLA BHARATHI	4	4	5	4	5	5



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81	208B1A0584	BAKKA BRAJESH	5	5	5	5	5	4
82	208B1A0585	BATHINA TARUN KRISHNA	5	5	4	4	4	5
83	208B1A0587	BOBBEPALLI NAGA SAI	4	4	5	5	5	5
84	208B1A0588	BOJJA BALAJI	5	4	4	5	4	5
85	208B1A0589	BOYAPATI GNANENDRA SRINIVAS	5	4	5	4	5	4
86	208B1A0590	CHENNA GANESH	4	5	5	5	5	5
87	208B1A0591	GUNDAVARAPU ANUDEEP	5	5	5	4	5	5
88	208B1A0592	INTURI VAMSI	5	4	4	5	5	5
89	208B1A0593	KANNA RAKESH VARMA	4	5	5	5	5	5
90	208B1A0594	KASTURI AKHIL VARMA	5	4	4	5	4	4
91	208B1A0595	KOTHAGARLA VENKATA SAI DURGA DINESH	4	5	4	4	4	5
92	208B1A0596	MARAM HARIKRISHNA REDDY	4	4	5	5	5	5
93	208B1A0597	MOPIDEVI SANTOSH	5	4	4	4	4	4
94	208B1A0598	NUSETTY SANTHOSH KUMAR	4	5	5	5	5	4
95	208B1A0599	NUTHALAPATI AJAYKUMAR	5	5	4	4	4	5
96	208B1A05A0	PAPPU VENKAT KRISHNA SAI	4	4	5	5	5	5
97	208B1A05A1	PATTAN TIHAMI MOHAMMAD	5	4	4	5	4	5
98	208B1A05A2	PEYYALA YUVRAJ	4	4	4	4	5	4
99	208B1A05A3	SHAIK KHADAR VALI	4	5	5	5	5	5


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100	208B1A05A4	SHAIK SHAREEF	5	4	5	4	5	5
101	208B1A05A5	TALARI MAHENDRA	4	5	5	5	5	5
102	208B1A05A6	VANTELA SAI DEEPAK YADAV	5	4	5	5	5	5
103	208B1A05A7	VATUPALLI VENKATESH	5	4	4	5	4	4
104	208B1A05A8	YADAVALLI AVINASH	5	5	4	4	4	5
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107	218B5A0502	PAKALA VENKATA NAGA HARSHINI	5	5	4	5	5	5
108	218B5A0503	BORRA RAGHAVENDRA	5	4	5	5	5	5
109	218B5A0504	BOYA RAJU	5	4	4	5	5	5
110	218B5A0505	TANGUTURI SAMBASHIVA	4	5	4	5	5	5
			4.52	4.50	4.52	4.51	4.71	4.75
			90.40	89.94	90.42	90.19	94.15	95.09
			91.70					


COORDINATOR


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HOD
HEAD OF THE DEPARTMENT
Department of CSE
RISE Krishna Sai Gandhi Group of
institutions, VALLUR, A.P.-523 272



Certificate Program on Artificial Intelligence Question Paper

Student name :

Reg.No:

Branch : III CSE

AY:2022-23

An Introduction to Artificial Intelligence Bits


- 1) Artificial Intelligence is about _____. []
 - a. Playing a game on Computer
 - b. Making a machine Intelligent
 - c. Programming on Machine with your Own Intelligence
 - d. Putting your intelligence in Machine

- 2) Who is known as the -Father of AI"? []
 - a. Fisher Ada
 - b. Alan Turing
 - c. John McCarthy
 - d. Allen Newell

- 3) Select the most appropriate situation for that a blind search can be used. []
 - a. Real-life situation
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 - c. Complex game
 - d. All of the above

- 4) The application/applications of Artificial Intelligence is/are []
 - a. Expert Systems
 - b. Gaming
 - c. Vision Systems
 - d. All of the above

- 5) Among the given options, which search algorithm requires less memory? []
 - a. Optimal Search
 - b. Depth First Search
 - c. Breadth-First Search
 - d. Linear Search


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6) If a robot is able to change its own trajectory as per the external conditions, then the robot is considered as the__[]

- a. Mobile
- b. Non-Servo
- c. Open Loop
- d. Intelligent

7) Which of the given language is not commonly used for AI? []

- a. LISP
- b. PROLOG
- c. Python
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8) A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the__[]


- a. Boolean Algebra
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9) The component of an Expert system is .[]

- a. Knowledge Base
- b. Inference Engine
- c. User Interface
- d. All of the above

10) The available ways to solve a problem of state-space-search. []

- a. 1
- b. 2
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11) An AI agent perceives and acts upon the environment using____.[]

- a. Sensors
- b. Perceiver
- c. Actuators
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12) Which rule is applied for the Simple reflex agent? []

- a. Simple-action rule
- b. Simple &Condition-action rule
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- d. None of the above

13) Which agent deals with the happy and unhappy state? []

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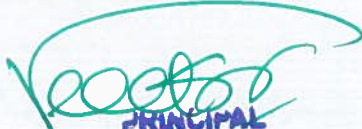
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- a. Agent contains the knowledge of State and actions.
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(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)
NH-16, Valluru-523272, Ongole, Prakasam (Dist), Andhra Pradesh, India

- a. Depth-first search
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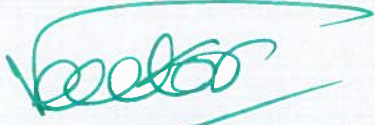
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19) Automatic Reasoning tool is used in____.[]

- a. Personal Computers
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20) If according to the hypothesis, the result should be positive, but in fact it is negative, then it is known as____.[]

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Department of Computer Science and Engineering

Keys:

1. Making a machine Intelligent
2. John McCarthy
3. Small Search Space
4. All of the above
5. Depth First Search
6. Intelligent
7. Perl
8. Turing Test
9. All of the above
10. 2
11. Both a and c
12. Condition-action rule
13. Utility-based agent
14. Pattern Matching
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19
20

Certificate Program on Artificial Intelligence Question Paper

Student name : K. SUPRIYA

Reg.No: 208 B1A0564

Branch : III CSE

AY:2022-23

An Introduction to Artificial Intelligence Bits

- 1) Artificial Intelligence is about ____ . [b] ✓
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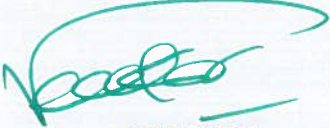
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Certificate Program on Artificial Intelligence Question Paper

Student name : N. Hema Latha

Reg.No: 208BIA0516

Branch : III CSE

AY:2022-23

19
20

An Introduction to Artificial Intelligence Bits

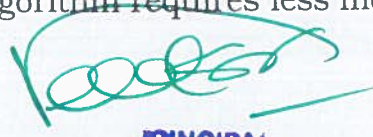
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(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)
NH-16, Valluru -523272, Ongole, Prakasam District, A.P, India

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

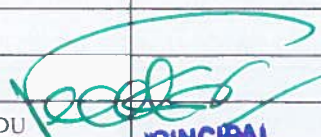
BRANCH:CSE-I
YEAR : III-I

Academic year:2022-23

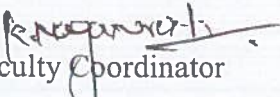
CERTIFICATE PROGRAM ON "ARTIFICIAL
INTELLIGENCE USING MACHINE LEARNING "

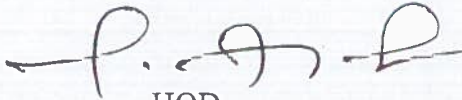
STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	208B1A0501	BACHINA VENKATA SARAYU	20
2	208B1A0502	BHOGALA AKHILA	20
3	208B1A0503	BOMMINENI PAVITHRA	18
4	208B1A0504	DASARI HIMABINDU	20
5	208B1A0505	DIYYA ANJALI	19
6	208B1A0506	GADE NAVEENA	20
7	208B1A0507	GOPISETTY PRATHYUSHA	20
8	208B1A0508	KOTAPATI SHIVANI	19
9	208B1A0509	KUNCHALA RAMYA	18
10	208B1A0510	MALLAVARAPU PRATHYUSHA	17
11	208B1A0511	MANNEPALLI MEGHANA	17
12	208B1A0512	MARAM LAKSHMI	19
13	208B1A0513	MATTEGUNTA RAMA	19
14	208B1A0514	NAGARAJU KAVITHA	19
15	208B1A0515	NAGINENI LEELANANDINI	19
16	208B1A0516	NALLURI HEMALATHA	18
17	208B1A0517	PADAKANDLA BABY SHALINI	19
18	208B1A0518	PATNAM ANITHA	19
19	208B1A0519	PATRA SANKEERTHAMMA	19
20	208B1A0520	PATTAN MOBEENA	20
21	208B1A0521	PUTLURI SIRISHA	19
22	208B1A0522	RAGINABOYINA NANDINI	19
23	208B1A0523	SHAIK KAFIRINNISHA	18
24	208B1A0524	USURUPATI SUPRAJA	19
25	208B1A0525	VADDE GNAPIKA	19
26	208B1A0526	VADDEMGUNTA TEJASWINI	19
27	208B1A0527	VALASANI MOUNIKA	20
28	208B1A0528	VEDURURI SWATHI	19
29	208B1A0529	VELAMPALLI PALLAVI	18
30	208B1A0530	VELUGU VYSHNAVI	20
31	208B1A0531	VEMIREDDY SANDHYA	19
32	208B1A0532	YENDLURI THRISHYA	20
33	208B1A0533	ANNAVARAPU VENKATA SAI CHANDU	18
34	208B1A0534	AVULA ANIL REDDY	
35	208B1A0536	CHENNAREDDY BHANU PRAKASH	



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S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
36	208B1A0537	DARSI MOBRASI NAG	19
37	208B1A0538	GURRAM SWAMI SEKHAR	19
38	208B1A0540	KOMMI SUMANTH	19
39	208B1A0541	KURICHETI PRABHAS	19
40	208B1A0542	LAKKAMRAJU LOKESH VARMA	19
41	208B1A0543	MANGALAPURI JANARDHAN	20
42	208B1A0544	NAGIREDDY NARENDRA REDDY	18
43	208B1A0545	PEDANABOYINA VINAY KUMAR	19
44	208B1A0546	PERAM VENKATA NAGA TEJESWAR REDDY	17
45	208B1A0547	PODA SAI TEJA	19
46	208B1A0548	POLICHERLA VENKATA NAGA SAI PRANAY	18
47	208B1A0549	SHAIK MOHAMMAD BASHA	18
48	208B1A0550	SIRIGIRI SAI KUMAR	18
49	208B1A0551	SWAYAMPU TEJENDRA	18
50	208B1A0552	TANGIRALA PAVAN GOVINDU REDDY	19
51	208B1A0553	YALALA MANOHAR BABU	18
52	208B1A0554	YARAMOTHU VAMSI	18


Faculty Coordinator


HOD

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RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)
NH-16, Valluru -523272, Ongole, Prakasam District, A.P, India

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

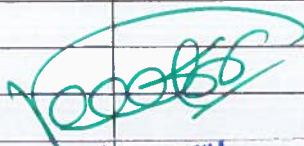
BRANCH:CSE-II
YEAR : III-I

Academic year:2022-23

Certificate program on "ARTIFICIAL INTELLIGENCE
USING MACHINE LEARNING"

STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	208B1A0555	ASULA MANISHA	19
2	208B1A0556	BATTHULA SUPRAJA	17
3	208B1A0557	BODDAPATI SAI SINDHU	18
4	208B1A0558	CHAVALI SAI SUSMITHA	18
5	208B1A0559	CHENNUPALLI TRIVENI	19
6	208B1A0560	DASARI MOUNIKA	19
7	208B1A0561	DUMPALA SANDHYA RANI	19
8	208B1A0562	ENAKARLA DEEPTHI	17
9	208B1A0563	GODDUVELUGULA TULASI	19
10	208B1A0564	KANCHARLA SUPRIYA	19
11	208B1A0565	KANKANALA NEELIMA	18
12	208B1A0566	KARREVULA ANKITHA	19
13	208B1A0567	MALINENI VENKATA NAGA MOUNIKA	17
14	208B1A0568	MALLISETTY DIVYASREE	17
15	208B1A0569	MANNEPALLI VENKATA SAI VINEELA	18
16	208B1A0570	MARELLA BHAVYASRI	18
17	208B1A0571	MOPURI SAI DEEPTHI REDDY	18
18	208B1A0572	NADENDLA GOWTHAMI	18
19	208B1A0573	PASAM SARASWATHI	17
20	208B1A0574	REGALAGADDA VENKATAAMULYA	18
21	208B1A0575	SHAIK AFROSE	19
22	208B1A0576	SHAIK SHEERIN	19
23	208B1A0577	SWARNA SONI	18
24	208B1A0578	SYED AFSANA	19
25	208B1A0579	TALARI ANJALI	18
26	208B1A0581	UNDAVALLI VYSHNAVI	18
27	208B1A0582	UTIKONDA TRIVENI	18
28	208B1A0583	YARRAGUNTLA BHARATHI	19
29	208B1A0584	BAKKA BRAJESH	19
30	208B1A0585	BATHINA TARUN KRISHNA	18
31	208B1A0587	BOBBEPALLI NAGA SAI	19
32	208B1A0588	BOJJA BALAJI	19
33	208B1A0589	BOYAPATI GNANENDRA SRINIVAS	17
34	208B1A0590	CHENNA GANESH	18
35	208B1A0591	GUNDAVARAPU ANUDEEP	19
36	208B1A0592	INTURI VAMSI	19


Principal
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S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
37	208B1A0593	KANNA RAKESH VARMA	18
38	208B1A0594	KASTURI AKHIL VARMA	18
39	208B1A0595	KOTHAGARLA VENKATA SAI DURGA DINESH	20
40	208B1A0596	MARAM HARIKRISHNA REDDY	19
41	208B1A0597	MOPIDEVI SANTOSH	19
42	208B1A0598	NUSETTY SANTHOSH KUMAR	20
43	208B1A0599	NUTHALAPATI AJAYKUMAR	19
44	208B1A05A0	PAPPU VENKAT KRISHNA SAI	17
45	208B1A05A1	PATTAN TIHAMI MOHAMMAD	19
46	208B1A05A2	PEYYALA YUVRAJ	18
47	208B1A05A3	SHAIK KHADAR VALI	19
48	208B1A05A4	SHAIK SHAREEF	19
49	208B1A05A5	TALARI MAHENDRA	20
50	208B1A05A6	VANTELA SAI DEEPAK YADAV	17
51	208B1A05A7	VATUPALLI VENKATESH	19
52	208B1A05A8	YADAVALLI AVINASH	19
53	208B1A05A9	YALAGALA CHANDRA SEKHAH	19
54	218B5A0501	KANDUKURI PUSHVINDU	19
55	218B5A0502	PAKALA VENKATA NAGA HARSHINI	18
56	218B5A0503	BORRA RAGHAVENDRA	19
57	218B5A0504	BOYA RAJU	19
58	218B5A0505	TANGUTURI SAMBASHIVA	18

K. Nagarath
Faculty Coordinator

P. S. R.
HOD

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Department of CSE
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V. S. S.

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**RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS: ONGOLE
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**



**[Certificate program on Artificial Intelligence
using Machine Learning]**

**The Certificate Program conducted by CSE department on 12th – 16th December 2022 in
RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS**

A handwritten signature in blue ink, appearing to be "K. S. S.", is written over a blue circular stamp.

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Objectives of conducting Certificate program

Objectives:

The goals of artificial intelligence include computer-enhanced learning, reasoning, and perception.

AI is being used today across different industries from finance to healthcare. Weak AI tends to be simple and single-task oriented, while strong AI carries on tasks that are more complex and human

Outcomes:

The main learning objectives of the course are to: Identify problems where artificial intelligence techniques are applicable.

Apply selected basic AI techniques; judge applicability of more advanced techniques.

Basic Concepts in Machine Learning


What is Machine Learning?

Machine Learning is defined as a technology that is used to train machines to perform various actions such as predictions, recommendations, estimations, etc., based on historical data or past experience.

Machine Learning enables computers to behave like human beings by training them with the help of past experience and predicted data.

Techniques in Machine Learning

1. Supervised Learning
2. Unsupervised Learning
3. Reinforcement Learning
4. Semi-supervised Learning



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Applications of Machine Learning

Automatic Language Translation

Medical Diagnosis

Stock Market Trading

Online Fraud Detection

Virtual Personal Assistant

Email Spam and Malware Filtering

Self driving cars

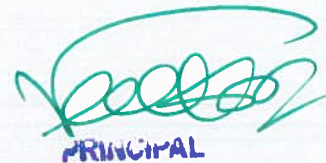
Product recommendation

Traffic Prediction

Speech Recognition

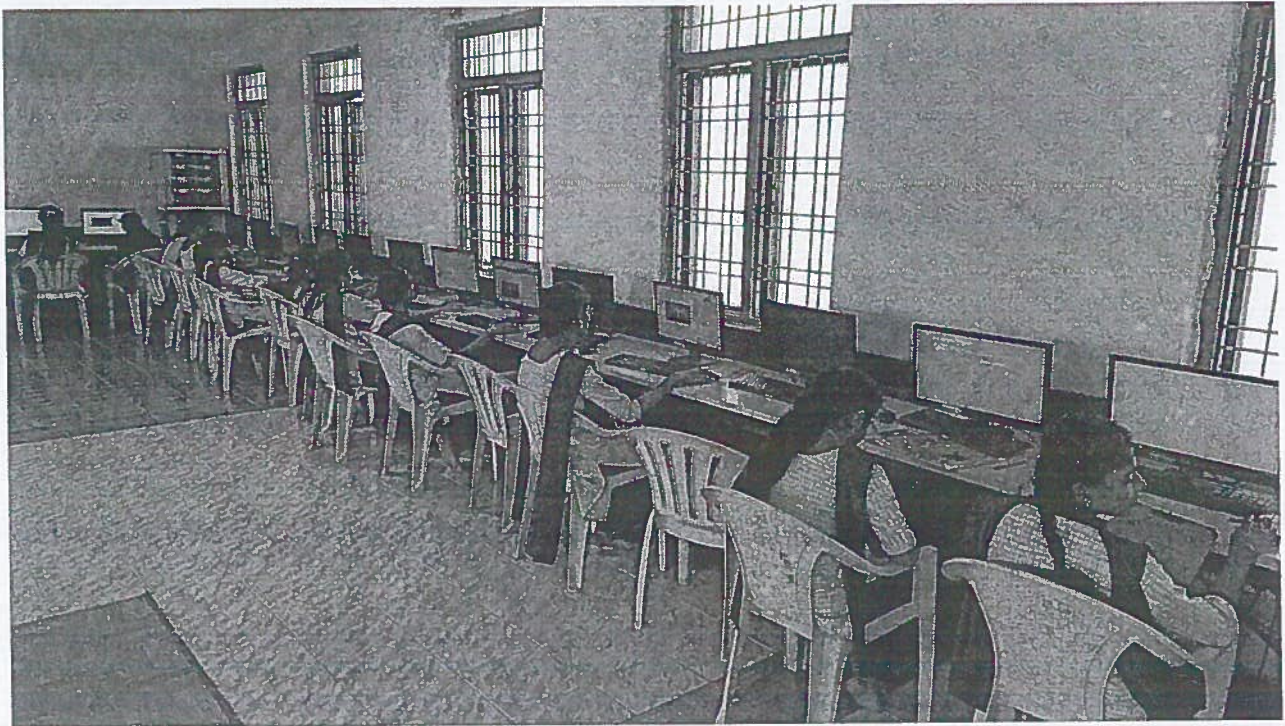
Image Recognition

1. Healthcare and Medical Diagnosis
2. Marketing:
3. Self-driving cars:
4. Speech Recognition:
5. Traffic Prediction
6. Product Recommendations:



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Commonly used Machine Learning Algorithms

Linear Regression

Linear Regression is one of the simplest and popular machine learning algorithms recommended by a data scientist. It is used for predictive analysis by making predictions for real variables such as experience, salary, cost, etc.

Linear Regression can be expressed mathematically as follows:

$$y = a_0 + a_1x + \epsilon$$


Y= Dependent Variable

X= Independent Variable

a_0 = intercept of the line (Gives an additional degree of freedom)

a_1 = Linear regression coefficient (scale factor to each input value).

ϵ = random error


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Logistic Regression

Logistic Regression is a subset of the Supervised learning technique. It helps us to predict the output of categorical dependent variables using a given set of independent variables.

Mathematically, we can express Logistic regression as follows:

Types of Logistic Regression:

- Binomial
- Multinomial
- Ordinal


K Nearest Neighbour (KNN)

It is also one of the simplest machine learning algorithms that come under supervised learning techniques. It is helpful for solving regression as well as classification problems.

Applications of KNN algorithm in Machine Learning

Including Machine Learning, KNN algorithms are used in so many fields as follows:

- Healthcare and Medical diagnosis
- Credit score checking


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- Text Editing
- Hotel Booking
- Gaming
- Natural Language Processing, etc.

Decision Tree

Decision Tree is also another type of Machine Learning technique that comes under Supervised Learning. Similar to KNN, the decision tree also helps us to solve classification as well as regression problems, but it is mostly preferred to solve classification problems.

Random Forest

Random Forest is also one of the most preferred machine learning algorithms that come under the Supervised Learning technique. Similar to KNN and Decision Tree, It also allows us to solve classification as well as regression problems, but it is preferred whenever we have a requirement to solve a complex problem and to improve the performance of the model.

Support Vector Machines (SVM)

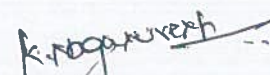
It is also one of the most popular machine learning algorithms that come as a subset of the Supervised Learning technique in machine learning.

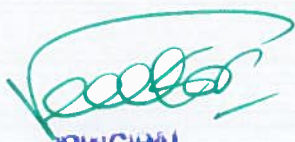
Naïve Bayes


The naïve Bayes algorithm is one of the simplest and most effective machine learning algorithms that come under the supervised learning technique.

Difference between machine learning and Artificial Intelligence

- Artificial intelligence is a technology using which we can create intelligent systems that can simulate human intelligence, whereas Machine learning is a subfield of artificial intelligence, which enables machines to learn from past data or experiences.


Coordinator


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(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)
NH-16, Valluru-523272, Ongole, Prakasam (Dist), Andhra Pradesh, India

Department of Computer Science and Engineering

Date: 16-12-2022.

CLOSING REPORT

To

The Principal

Rise Krishna Sai Gandhi Group of institutions
valluru

As per the approved schedule Rise Krishna Sai Gandhi group of Institutions conducted a Certificate Program on "ARTIFICIAL INTELLIGENCE USING MACHINE LEARNING" at CSE Seminar Hall From 12-12-2022 to 16-12-2022 from 09.00 am to 5.00 pm per day. The students of III CSE total 110 are participated in this programme. This Certificate Program head attended N. Narendra, Director, Application domains\Project Management, Vijayawada.

Main issues addressed:

1. Introduction: What to Expect from AI
2. Introduction: History of AI from 40s - 90s
3. Introduction: History of AI in the 90s
4. Introduction: History of AI in NASA & DARPA(2000s)
5. Introduction: The Present State of AI
6. Introduction: Definition of AI Dictionary Meaning
7. Introduction: Definition of AI Thinking VS Acting and Humanly VS Rationally
8. Introduction: Definition of AI Rational Agent View of AI
9. Introduction: Examples Tasks, Phases of AI & Course Plan
10. Uniform Search: Notion of a State
11. Informed Search: Best First Search
12. Local Search: Satisfaction Vs Optimization
13. Adversarial Search: Minimax Algorithm for two player games
14. Constraint Satisfaction Problems: Representation of the atomic state
15. Map coloring and other examples of CSP
16. Backtracking Search
17. Variable and Value Ordering in Backtracking Search
18. Inference for detecting failures early

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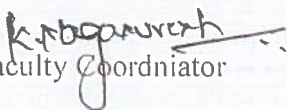
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19. Exploiting problem structure
20. Logic in AI: Different Knowledge Representation systems - 1
21. Uncertainty in AI: Motivation
22. Bayesian Networks: Rejection Sampling
23. Decision Theory: Steps in Decision Theory
24. Reinforcement Learning: Background
25. Deep Learning: Perceptron's and Activation functions

We are expecting your support in future also, for that we will be thankful to you.


Thanking you sir,

Yours faithfully,


Faculty Coordiniator


HOD

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