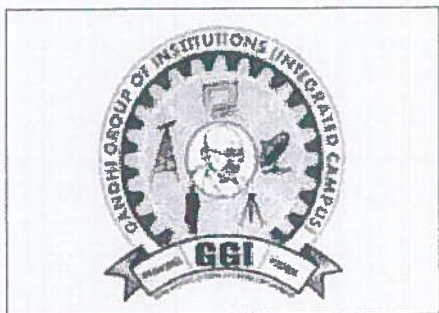
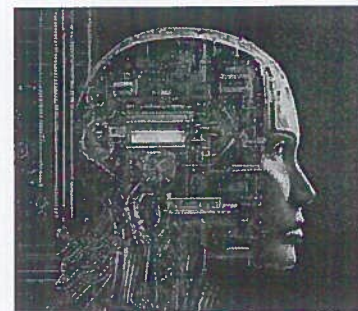


RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS: ONGOLE



Certificate program
on
“Artificial Intelligence
using
Machine learning”



16th DECEMBER 2019 TO 20th DECEMBER 2019

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

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

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



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: 12-12-2019

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 16-12-2019 to 20-12-2019.

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

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 USING 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 INTELLIGENCE.


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

- 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.



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



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

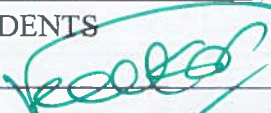
Department of Computer Science and Engineering

PROPOSAL FORM

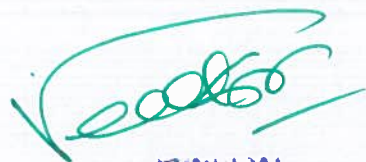
SUB: 5 Day Certificate program” Artificial Intelligence with Machine learning ”-Programme

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	16-12-2019 to 20-12-2019
8	DURATION OF THE PROGRAMME	5-Days
9	VENUE	Seminar Hall
10	TARGETS	III CSE students
11	No. OF PARTICIPANTS	107students
12	REGISTRATION FEE	Nil
13	NAME OF PROGRAMME CO ORDINATOR(S)	Mr.CH.HARI KRISHNA ,Assoc..professor
14	NAME OF THE STUDENTS COORDINATOR(S)	1.VAKA DHARANI(178B1A0592) 2. LAKSHMI ADUSUMALLI(178B1A0579)


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

		3. ANKIREDDY NARMADA(178B1A0503) 4. CHINTHAM SRUTHI(178B1A0510)
15	SOURCE OF FUND IDENTIFIED	Management
16	MANAGEMENT CONTRIBUTION REQUIRED	YES /NO
17	NAME OF BUDGETORY MEMBERS	1.Mr. P. ISSAC PAUL (HOD) 2. Mr.CH.HARI KRISHNA(CO ORDINATOR)



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

SUBMITTED BY



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



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 and Engineering


Valluru,
Date: 14-12-2019.

CIRCULAR

This is to inform III B.Tech students and faculty that there will be a 5-Day Certificate program on “Artificial Intelligence using machinelearning” from 16-12-2019 to 20-12-2019 by N. Narendra, Director, Application domains\Project Management, Vijayawada.


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

Copy to:
Principal
Staff Circular
Students of CSE III year
CSE Department Notice Boards


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

**A FIVE DAY CERTIFICATE
PROGRAMME ON
“Artificial Intelligence using
Machine Learning “
16th – 20th DEC- 2019.**



Coordinator
Mr.CH.HARI KRISHNA
Assoc.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.CH.HARI KRISHNA
Assoc.prof

STUDENT REGISTRATION FORM

Name :

Gender :

Department :

Institution :

Address for Communication.
.....
.....
.....
.....

PIN :

EMAIL :

MOBILE NO. :

PRINCIPAL

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

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 & Course Plan

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.


PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

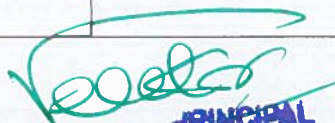
(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)

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

Department of Computer Science & Engineering

Schedule for "ARTIFICIAL INTELLIGENCE USING MACHINE LEARNING"

S.No	Date	Time	Topics Covered
1	16-12-2019	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	17-12-2019	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



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



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.

3	18-12-2019	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	19-12-2019	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	20-12-2019	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	

PRINCIPAL

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




RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

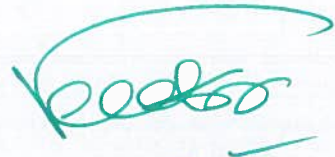
(Approved by AICTE-NEW DELHI, Affiliated to JNTUK KAKINADA)

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

		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
stitutions, VALLUR, A.P.-523 272



PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU, ONGOLE



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 AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : G. Poul

DATE: 20-12-2019


ROLL NO : 178B1A0598

A.Y: 2019-20

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


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



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 AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : A. Lakshmi

DATE: 20-12-2019

ROLL NO : 178BIA0579

A.Y: 2019-20

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


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



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 AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : S. Krishna Reddy

DATE: 20-12-2019

ROLL NO : 178B1A0550

A.Y: 2019-20

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

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



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 AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : A. Mounika.

DATE: 20-12-2019

ROLL NO : 178B1A0501

A.Y: 2019-2020

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?					✓

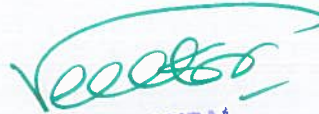
5-EXCELLENT

4-GOOD

3-AVERAGE

2-POOR

1-NO COMMENT


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



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(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

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 : 16-12-2019 to 20-12-2019

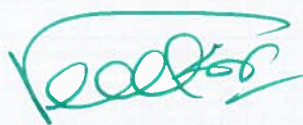
Venue : Seminar Hall

Targeted Students : III Year students

S.No	No. of students Participated	No. of students given feedback	Feedback %
1	107	107	100%


Co-ordinator


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


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



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE
DEPARTMENT OF COMUTER SCIENCE AND ENGINEERING
FEEDBACK ANALYSIS

A.Y: 2019-20

Year : III B.Tech CSE

Date: 20-12-2019

Certificate Program on "AI USING MACHINELEARNING"

S.No	Roll Number	Name	1	2	3	4	5	6
1	178B1A0501	ABBURI MOUNIKA	4	4	4	4	4	5
2	178B1A0502	ANKIREDDY KRISHNA PRAVALLIKA	5	4	5	5	5	4
3	178B1A0503	ANKIREDDY NARMADA	4	5	4	4	4	5
4	178B1A0504	ATTULURI ALEKHYA	4	4	4	5	5	4
5	178B1A0505	BHAVANAM LAKSHMI SINDHU	4	4	5	4	5	5
6	178B1A0506	BOGALA VASUNDHARA	4	5	4	5	5	5
7	178B1A0507	BOJJA RADHIKA	4	5	4	4	5	4
8	178B1A0508	BOYAPATI KAVYA	5	5	5	5	5	5
9	178B1A0509	CHALUVADI LAKSHMI MAYUKHA	5	4	5	4	4	4
10	178B1A0510	CHINTHAM SRUTHI	4	5	4	5	4	5
11	178B1A0511	DANDA ASHA REDDY	4	4	4	4	5	5
12	178B1A0512	GANGAVARAPU POOJITHA	4	5	4	5	5	4
13	178B1A0513	GANGULA SANDHYA RANI	5	5	5	5	5	5
14	178B1A0514	GODASU SRIVANI	4	4	4	5	5	5
15	178B1A0515	GUGGILAM RAHITYA PREETHI	4	4	4	5	5	5
16	178B1A0516	INAGANTI ARCHANA	4	4	4	4	5	5


PRINCIPAL

RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE

17	178B1A0517	INTHA PRAVALLIKA	4	4	4	4	4	5
18	178B1A0518	JINKALA LAVANYA	5	4	4	5	4	5
19	178B1A0519	KALIKI HIMAJA	5	5	4	4	5	4
20	178B1A0520	KANCHARLA VYSHNAVI	5	4	5	4	5	5
21	178B1A0521	MAMIDI LAKSHMI VASAVI	4	4	5	5	5	5
22	178B1A0522	MANDAVA PRAVALLIKA	4	5	5	5	5	5
23	178B1A0523	MULE LAKSHMI TRIVENI	4	5	4	4	5	4
24	178B1A0524	PAPAREDDY MANASWINI	4	4	4	4	5	5
25	178B1A0525	PONNAPATI SANTHI	4	4	5	5	4	4
26	178B1A0526	POTHINENI VENKATA SUSHMA	5	5	4	5	5	5
27	178B1A0527	PUCHA VENKATA SRAVANI	5	4	4	4	4	4
28	178B1A0528	THUMATI SRI SWATHI PRIYA	5	5	4	5	4	5
29	178B1A0529	THUNUGUNTA LAKSHMI PRIYA	4	5	4	4	4	5
30	178B1A0530	VANDAVASI PRASANNA LAKSHMI	4	5	5	4	4	4
31	178B1A0531	VASANTHA VENKATA DIVYA	4	5	5	4	5	5
32	178B1A0533	BALASANI ANAND	5	4	5	5	5	5
33	178B1A0534	BOKKISAM VINAY SAI	5	4	4	5	5	5
34	178B1A0535	KADIYALA SAI KUMAR	5	4	4	5	5	4
35	178B1A0536	KANDIMALLA SAI KRISHNA	5	4	4	4	4	5
36	178B1A0537	KOLASANI ANKA BABU	4	4	5	5	5	5


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

37	178B1A0538	KOLLA MAHENDRA BABU	5	5	5	4	4	5
38	178B1A0539	KOTHAPALLI SANDEEP	4	4	4	5	5	4
39	178B1A0541	MOTUPALLI SUDHEER	5	4	5	4	4	5
40	178B1A0542	PATURI VEERA VASANTHA KUMAR	5	4	5	5	5	5
41	178B1A0543	PETTUGANI VENKATA DHANUSH	4	5	4	4	5	4
42	178B1A0544	POTHURI SUDHEER KUMAR	5	5	5	5	5	5
43	178B1A0545	PUVVADI BALA KRISHNA	4	4	5	4	4	5
44	178B1A0546	SHAIK AHMED	5	4	5	5	4	5
45	178B1A0547	SHAIK ANMIR	5	4	4	4	5	4
46	178B1A0548	SIDDABATTULA AKHIL	5	4	4	5	4	5
47	178B1A0549	SUDALAGUNTA VENKATA VINAY	5	4	5	4	5	5
48	178B1A0550	SYAMALA KRISHNA REDDY	4	4	4	4	5	5
49	178B1A0551	THOTAPALLI VENKATA SAIRAMA AYACHYA	5	5	5	5	5	5
50	178B1A0552	TUMMALA SRIKANTH	4	4	5	4	4	5
51	178B1A0553	TUMUKURI CHANDRA SEKHAR	5	5	5	4	5	4
52	178B1A0554	UPPALA SIVA PRASAD	4	5	5	5	4	5
53	178B1A0555	VEMA BHUVANA VENKATA LAKSHMANA DATTA S	5	4	5	4	5	5
54	178B1A0556	ALLA RAGAVALLIKA	5	5	5	5	4	5
55	178B1A0557	BAIREDDY ANITHALAKSHMI	4	4	4	5	5	5
56	178B1A0558	BATTULA LAKSHMI PRASANNA	5	5	4	4	5	5

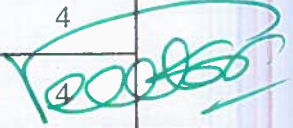

 PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.

57	178B1A0559	BHIMAVARAPU LAVANYA	5	5	5	5	5	4
58	178B1A0560	BOLLEDDULA RAMYA	5	4	4	4	5	5
59	178B1A0561	CHEBROLU VENKATA SUSHMA	4	4	4	5	5	5
60	178B1A0562	CHINNI NAGA YASASWINI	4	4	4	5	5	5
61	178B1A0563	DACHARLA KALYANI	5	5	4	5	4	4
62	178B1A0564	DESU VENKATA BHARGAVI	5	4	4	4	5	5
63	178B1A0565	DUVVURI POOJITHA	4	4	5	4	5	5
64	178B1A0566	GODUGULURI SAI PRASANNA	4	5	5	5	5	5
65	178B1A0567	GUNUPUDI SASI NAGAMANI	5	5	5	4	5	5
66	178B1A0568	INUKOLLU MOUNIKA	4	4	5	4	4	5
67	178B1A0569	KAKOLLU VENKATA MADHUMITHA LAKSHMI	4	5	5	4	5	5
68	178B1A0570	KAMANI SAI HARSHITHA	5	4	4	4	5	5
69	178B1A0571	KANCHARLA MOUNIKA	5	4	5	4	5	5
70	178B1A0573	KASATTY YAMINI	5	5	5	5	5	5
71	178B1A0574	KOPPARTHI VIJAYALAKSHMI	5	5	5	4	5	5
72	178B1A0575	KOTHAGUNDU VENKATA LAKSHMI NAGA SAI MANIDURGANNANI	5	5	4	4	5	5
73	178B1A0576	KOTHAPALLI AKHILA	5	5	5	4	5	5
74	178B1A0577	KURAPATI SRI BHARGAVI	5	4	5	5	5	5
75	178B1A0578	KURAPATI VENKATA DURGA BINDU SRI	5	5	4	4	5	5
76	178B1A0579	LAKSHMI ADUSUMALLI	5	4	4	4	5	5

PRINCIPAL

RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE

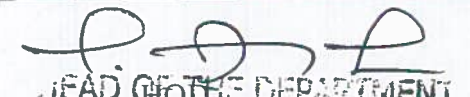
77	178B1A0580	MULLAMURI SREELAKSHMI	5	4	4	5	5	5
78	178B1A0581	MUPPARAJU SIVA PARVATHI	5	5	5	4	5	5
79	178B1A0582	NALLURI KAVYA	5	5	4	5	5	5
80	178B1A0583	NALLURI PRABHAVATHI	4	4	5	4	5	5
81	178B1A0584	PERLA NAGA VENKATA SAI TEJASWI	4	5	5	5	5	4
82	178B1A0585	SHAIK MAHAJABEEN	4	5	4	4	4	5
83	178B1A0586	SOMISETTI THIRUMALA	5	4	4	5	5	5
84	178B1A0587	TATA SUMANJANI	4	4	5	5	4	5
85	178B1A0588	THATHA VENKATA TEJASWINI	4	4	4	4	5	4
86	178B1A0589	THOTA SASIREKHA	5	4	4	5	5	5
87	178B1A0591	VADDEMPUDI JYOTHIKA	5	4	4	4	5	5
88	178B1A0592	VAKA DHARANI	4	5	4	5	5	5
89	178B1A0593	YENIMIREDDY MOUNIKA	5	5	5	5	5	5
90	178B1A0594	ALLA THARUN REDDY	5	5	4	5	4	4
91	178B1A0595	BASU CHANDRASEKHARA REDDY	5	4	4	4	4	5
92	178B1A0596	CHANDOLU SIVA GIREESH KUMAR	5	5	4	5	5	5
93	178B1A0597	CHEEMAKURTHY SAI CHARAN REDDY	4	5	5	4	4	4
94	178B1A0598	GUDURI POUL	4	4	4	5	5	4
95	178B1A0599	KARANAM SRINIVASULU	4	4	5	4	4	4


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

96	178B1A05A0	MADDI NAGA KOTI DINESH	5	4	4	5	5	5
97	178B1A05A1	MANAM BALANJANAYULU	5	4	4	5	4	5
98	178B1A05A2	PANCHALA SREENIVASARAO	4	4	4	4	5	4
99	178B1A05A3	PUNATI SAIKIRAN	5	4	4	5	5	5
100	178B1A05A4	PUSAPATI SHANMUKA SAI PAVAN	4	5	5	4	5	5
101	178B1A05A5	RAVIPATI VENKATA SAI TEJA	5	5	5	5	5	5
102	178B1A05A6	SIKAKOLLU VIVEK	4	4	5	5	5	5
103	178B1A05A7	SINGAMANENI VAMSI KRISHNA	5	5	5	5	4	4
104	178B1A05A8	TELLA SAGAR	4	4	4	4	4	5
105	178B1A05A9	THATHA BHARATH NAGA VISHNU DEEPU	4	5	5	5	5	5
106	178B1A05B0	DEMIREDDY OM MADHAVA REDDY	5	4	5	4	4	4
107	188B5A0501	DASI PRASANNA	5	4	5	5	5	4
			4.51	4.45	4.50	4.50	4.70	4.74
			90.17	89.01	89.92	90.09	94.02	94.77
			91.33					


COORDINATOR


PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLUR, ANGOLE.


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



Department of Computer Science and Engineering
Certificate Program on Artificial Intelligence Question Paper

Student name :

Reg.No:

Branch : III CSE

AY: 2019-2020

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
 - b. Small Search Space
 - 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

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



- d. Linear Search
- 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
 - d. Perl
- 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
 - b. Turing Test
 - c. Logarithm
 - d. Algorithm
- 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
 - c. 3
 - d. 4


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



11) An AI agent perceives and acts upon the environment using____.[]

- a. Sensors
- b. Perceiver
- c. Actuators
- d. Both a and c

12) Which rule is applied for the Simple reflex agent? []

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

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

- a. Utility-based agent
- b. Model-based agent
- c. Goal-based Agent
- d. Learning Agent

14) Which AI technique enables the computers to understand the associations and relationships between objects and events? []

- a. Heuristic Processing
- b. Cognitive Science
- c. Relative Symbolism
- d. Pattern Matching

15) The exploration problem is where____.[]

- a. Agent contains the knowledge of State and actions.
- b. Agent does not contain the knowledge of State and actions.
- c. Only actions are known to the agent.
- d. None of the above



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)

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

16) The search algorithm which is similar to the minimax search, but removes the branches that don't affect the final output is known as__.[]

- a. Depth-first search
- b. Breadth-first search
- c. Alpha-beta pruning
- d. None of the above

17) Among the given options, which is also known as inference rule? []

- a. Reference
- b. Reform
- c. Resolution
- d. None of the above

18) Which of the following option is used to build complex sentences in knowledge representation? []

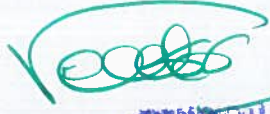
- a. Symbols
- b. Connectives
- c. Quantifier
- d. None of the above

19) Automatic Reasoning tool is used in____.[]

- a. Personal Computers
- b. Microcomputers
- c. LISP Machines
- d. All of the above

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

- a. False Negative Hypothesis
- b. False Positive Hypothesis
- c. Specialized Hypothesis
- d. Consistent Hypothesis


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



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
15. Agent does not contain the knowledge of State and actions.
16. Alpha-beta pruning
17. Resolution
18. Connectives
19. LISP Machines
20. False Positive Hypothesis

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



Department of Computer Science and Engineering
Certificate Program on Artificial Intelligence Question Paper

Student name : GI. Sivani

Reg.No: 17881A0514


Branch : III CSE

AY: 2019-2020

20
20

An Introduction to Artificial Intelligence Bits

- 1) Artificial Intelligence is about _____. [b] ✓
- 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"? [C] ✓
- 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. [b] ✓
- a. Real-life situation
 - b. Small Search Space
 - c. Complex game
 - d. All of the above
- 4) The application/applications of Artificial Intelligence is/are [d] ✓
- a. Expert Systems
 - b. Gaming
 - c. Vision Systems
 - d. All of the above
- 5) Among the given options, which search algorithm requires less memory? [b] ✓
- a. Optimal Search
 - b. Depth First Search
 - c. Breadth-First Search


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



d. Linear Search

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

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

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

- a. LISP
- b. PROLOG
- c. Python
- d. Perl

8) A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the ___ [b] ✓

- a. Boolean Algebra
- b. Turing Test
- c. Logarithm
- d. Algorithm

9) The component of an Expert system is [d] ✓

- 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. [b] ✓

- a. 1
- b. 2
- c. 3
- d. 4

PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
ONGOLE



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

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

11) An AI agent perceives and acts upon the environment using ____ [d] ✓

- a. Sensors
- b. Perceiver
- c. Actuators
- d. Both a and c

12) Which rule is applied for the Simple reflex agent? [c] ✓

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

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

- a. Utility-based agent
- b. Model-based agent
- c. Goal-based Agent
- d. Learning Agent

14) Which AI technique enables the computers to understand the associations and relationships between objects and events? [d] ✓

- a. Heuristic Processing
- b. Cognitive Science
- c. Relative Symbolism
- d. Pattern Matching

15) The exploration problem is where ____ [b] ✓

- a. Agent contains the knowledge of State and actions.
- b. Agent does not contain the knowledge of State and actions.
- c. Only actions are known to the agent.
- d. None of the above

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



16) The search algorithm which is similar to the minimax search, but removes the branches that don't affect the final output is known as__.[C]✓

- a. Depth-first search
- b. Breadth-first search
- c. Alpha-beta pruning
- d. None of the above

17) Among the given options, which is also known as inference rule? [C]✓

- a. Reference
- b. Reform
- c. Resolution
- d. None of the above

18) Which of the following option is used to build complex sentences in knowledge representation? [b]✓

- a. Symbols
- b. Connectives
- c. Quantifier
- d. None of the above

19) Automatic Reasoning tool is used in____.[C]✓

- a. Personal Computers
- b. Microcomputers
- c. LISP Machines
- d. All of the above

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

- a. False Negative Hypothesis
- b. False Positive Hypothesis
- c. Specialized Hypothesis
- d. Consistent Hypothesis



19
20

Department of Computer Science and Engineering
Certificate Program on Artificial Intelligence Question Paper

Student name : I. Mounika

Reg.No: 178 BIA0568

Branch : III CSE

AY: 2019-2020

An Introduction to Artificial Intelligence Bits

- 1) Artificial Intelligence is about _____. [b] ✓
- Playing a game on Computer
 - Making a machine Intelligent
 - Programming on Machine with your Own Intelligence
 - Putting your intelligence in Machine
- 2) Who is known as the -Father of AI"? [c] ✓
- Fisher Ada
 - Alan Turing
 - John McCarthy
 - Allen Newell
- 3) Select the most appropriate situation for that a blind search can be used. [c] ✗
- Real-life situation
 - Small Search Space
 - Complex game
 - All of the above
- 4) The application/applications of Artificial Intelligence is/are [d] ✓
- Expert Systems
 - Gaming
 - Vision Systems
 - All of the above
- 5) Among the given options, which search algorithm requires less memory? [b] ✓
- Optimal Search
 - Depth First Search
 - Breadth-First Search

PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU - ONGOLE



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)

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

d. Linear Search

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

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

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

- a. LISP
- b. PROLOG
- c. Python
- d. Perl

8) A technique that was developed to determine whether a machine could or could not demonstrate the artificial intelligence known as the__ [b] ✓


- a. Boolean Algebra
- b. Turing Test
- c. Logarithm
- d. Algorithm

9) The component of an Expert system is [d] ✓

- 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. [b] ✓

- a. 1
- b. 2
- c. 3
- d. 4


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



- 11) An AI agent perceives and acts upon the environment using __. [d] ✓
- Sensors
 - Perceiver
 - Actuators
 - Both a and c
- 12) Which rule is applied for the Simple reflex agent? [c] ✓
- Simple-action rule
 - Simple & Condition-action rule
 - Condition-action rule
 - None of the above
- 13) Which agent deals with the happy and unhappy state? [a] ✓
- Utility-based agent
 - Model-based agent
 - Goal-based Agent
 - Learning Agent
- 14) Which AI technique enables the computers to understand the associations and relationships between objects and events? [d] ✓
- Heuristic Processing
 - Cognitive Science
 - Relative Symbolism
 - Pattern Matching
- 15) The exploration problem is where _____. [b] ✓
- Agent contains the knowledge of State and actions.
 - Agent does not contain the knowledge of State and actions.
 - Only actions are known to the agent.
 - None of the above



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(APPROVED BY AICTE-NEW DELHI, AFFILIATED TO JNTUK KAKINADA)

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

16) The search algorithm which is similar to the minimax search, but removes the branches that don't affect the final output is known as__.[c] ✓

- a. Depth-first search
- b. Breadth-first search
- c. Alpha-beta pruning
- d. None of the above

17) Among the given options, which is also known as inference rule? [c] ✓

- a. Reference
- b. Reform
- c. Resolution
- d. None of the above

18) Which of the following option is used to build complex sentences in knowledge representation? [b] ✓


- a. Symbols
- b. Connectives
- c. Quantifier
- d. None of the above

19) Automatic Reasoning tool is used in___. [c] ✓

- a. Personal Computers
- b. Microcomputers
- c. LISP Machines
- d. All of the above

20) If according to the hypothesis, the result should be positive, but in fact it is negative, then it is known as___. [b] ✓

- a. False Negative Hypothesis
- b. False Positive Hypothesis
- c. Specialized Hypothesis
- d. Consistent Hypothesis


PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
ONGOLE.



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-I
YEAR : III-I

Academic year:2019-20

CERTIFICATE PROGRAM ON "ARTIFICIAL
INTELLIGENCE USING MACHINE LEARNING

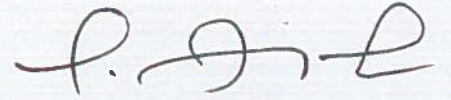
STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	178B1A0501	ABBURI MOUNIKA	20
2	178B1A0502	ANKIREDDY KRISHNA PRAVALLIKA	18
3	178B1A0503	ANKIREDDY NARMADA	20
4	178B1A0504	ATTULURI ALEKHYA	20
5	178B1A0505	BHAVANAM LAKSHMI SINDHU	17
6	178B1A0506	BOGALA VASUNDHARA	19
7	178B1A0507	BOJJA RADHIKA	18
8	178B1A0508	BOYAPATI KAVYA	19
9	178B1A0509	CHALUVADI LAKSHMI MAYUKHA	18
10	178B1A0510	CHINTHAM SRUTHI	20
11	178B1A0511	DANDA ASHA REDDY	17
12	178B1A0512	GANGAVARAPU POOJITHA	17
13	178B1A0513	GANGULA SANDHYA RANI	18
14	178B1A0514	GODASU SRIVANI	18
15	178B1A0515	GUGGILAM RAHITYA PREETHI	19
16	178B1A0516	INAGANTI ARCHANA	19
17	178B1A0517	INTHA PRAVALLIKA	20
18	178B1A0518	JINKALA LAVANYA	19
19	178B1A0519	KALIHI HIMAJA	18
20	178B1A0520	KANCHARLA VYSHNAVI	19
21	178B1A0521	MAMIDI LAKSHMI VASAVI	17
22	178B1A0522	MANDAVA PRAVALLIKA	17
23	178B1A0523	MULE LAKSHMI TRIVENI	19
24	178B1A0524	PAPAREDDY MANASWINI	19
25	178B1A0525	PONNAPATI SANTHI	18
26	178B1A0526	POTHINENI VENKATA SUSHMA	17
27	178B1A0527	PUCHA VENKATA SRAVANI	19
28	178B1A0528	THUMATI SRI SWATHI PRIYA	17
29	178B1A0529	THUNUGUNTA LAKSHMI PRIYA	17
30	178B1A0530	VANDAVASI PRASANNA LAKSHMI	17
31	178B1A0531	VASANTHA VENKATA DIVYA	19
32	178B1A0533	BALASANI ANAND	19
33	178B1A0534	BOKKISAM VINAY SAI	17
34	178B1A0535	KADIYALA SAI KUMAR	19
35	178B1A0536	KANDIMALLA SAI KRISHNA	17


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

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
36	178B1A0537	KOLASANI ANKA BABU	18
37	178B1A0538	KOLLA MAHENDRA BABU	20
38	178B1A0539	KOTHAPALLI SANDEEP	18
39	178B1A0541	MOTUPALLI SUDHEER	18
40	178B1A0542	PATURI VEERA VASANTHA KUMAR	20
41	178B1A0543	PETTUGANI VENKATA DHANUSH	18
42	178B1A0544	POTHURI SUDHEER KUMAR	18
43	178B1A0545	PUVVADI BALA KRISHNA	19
44	178B1A0546	SHAIK AHMED	19
45	178B1A0547	SHAIK ANMIR	18
46	178B1A0548	SIDDABATTULA AKHIL	19
47	178B1A0549	SUDALAGUNTA VENKATA VINAY	19
48	178B1A0550	SYAMALA KRISHNA REDDY	17
49	178B1A0551	THOTAPALLI VENKATA SAIRAMA AYACHYA	19
50	178B1A0552	TUMMALA SRIKANTH	20
51	178B1A0553	TUMUKURI CHANDRA SEKHAR	17
52	178B1A0554	UPPALA SIVA PRASAD	19
53	178B1A0555	VEMA BHUVANA VENKATA LAKSHMANA DATTA SAI	17


Faculty Coordinator

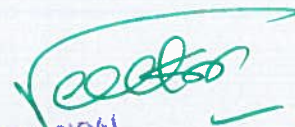


HOD

HEAD OF THE DEPARTMENT

Department of CSE

RISE Krishna Sai Gandhi Group of
stitutions, VALLUR, A.P.-523 272


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

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:2019-20

Certificate program on "ARTIFICIAL INTELLIGENCE
USING MACHINE LEARNING"

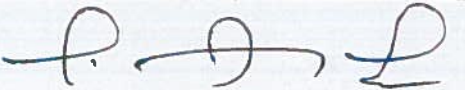
STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	178B1A0556	ALLA RAGAVALLIKA	17
2	178B1A0557	BAIREDDY ANITHALAKSHMI	20
3	178B1A0558	BATTULA LAKSHMI PRASANNA	18
4	178B1A0559	BHIMAVARAPU LAVANYA	17
5	178B1A0560	BOLLEDDULA RAMYA	19
6	178B1A0561	CHEBROLU VENKATA SUSHMA	20
7	178B1A0562	CHINNI NAGA YASASWINI	19
8	178B1A0563	DACHARLA KALYANI	19
9	178B1A0564	DESU VENKATA BHARGAVI	19
10	178B1A0565	DUVVURI POOJITHA	20
11	178B1A0566	GODUGULURI SAI PRASANNA	19
12	178B1A0567	GUNUPUDI SASI NAGAMANI	18
13	178B1A0568	INUKOLLU MOUNIKA	17
14	178B1A0569	KAKOLLU VENKATA MADHUMITHA LAKSHMI	17
15	178B1A0570	KAMANI SAI HARSHITHA	19
16	178B1A0571	KANCHARLA MOUNIKA	17
17	178B1A0573	KASATTY YAMINI	20
18	178B1A0574	KOPPARTHI VIJAYALAKSHMI	18
19	178B1A0575	KOTHAGUNDU VENKATA LAKSHMI NAGA SAI MANDIRGANIANI	19
20	178B1A0576	KOTHAPALLI AKHILA	19
21	178B1A0577	KURAPATI SRI BHARGAVI	20
22	178B1A0578	KURAPATI VENKATA DURGA BINDU SRI	20
23	178B1A0579	LAKSHMI ADUSUMALLI	19
24	178B1A0580	MULLAMURI SREELAKSHMI	18
25	178B1A0581	MUPPARAJU SIVA PARVATHI	18
26	178B1A0582	NALLURI KAVYA	19
27	178B1A0583	NALLURI PRABHAVATHI	19
28	178B1A0584	PERLA NAGA VENKATA SAI TEJASWI	17
29	178B1A0585	SHAIK MAHAJABEEN	19
30	178B1A0586	SOMISETTI THIRUMALA	19
31	178B1A0587	TATA SUMANJANI	19
32	178B1A0588	THATHA VENKATA TEJASWINI	20
33	178B1A0589	THOTA SASIREKHA	19
34	178B1A0591	VADDEMPUDI JYOTHIKA	19
35	178B1A0592	VAKA DHARANI	17


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

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
36	178B1A0593	YENIMIREDDY MOUNIKA	18
37	178B1A0594	ALLA THARUN REDDY	19
38	178B1A0595	BASU CHANDRASEKHARA REDDY	20
39	178B1A0596	CHANDOLU SIVA GIREESH KUMAR	18
40	178B1A0597	CHEEMAKURTHY SAI CHARAN REDDY	20
41	178B1A0598	GUDURI POUL	19
42	178B1A0599	KARANAM SRINIVASULU	18
43	178B1A05A0	MADDI NAGA KOTI DINESH	18
44	178B1A05A1	MANAM BALANJANA YULU	19
45	178B1A05A2	PANCHALA SREENIVASARAO	20
46	178B1A05A3	PUNATI SAIKIRAN	19
47	178B1A05A4	PUSAPATI SHANMUKA SAI PAVAN	19
48	178B1A05A5	RAVIPATI VENKATA SAI TEJA	20
49	178B1A05A6	SIKAKOLLU VIVEK	20
50	178B1A05A7	SINGAMANENI VAMSI KRISHNA	19
51	178B1A05A8	TELLA SAGAR	19
52	178B1A05A9	THATHA BHARATH NAGA VISHNU DEEPU	17
53	178B1A05B0	VEMIREDDY OM MADHAVA REDDY	18
54	188B5A0501	DASI PRASANNA	17


Faculty Coordinator


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
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.

**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 16th – 20th December 2019 in
RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

A handwritten signature in green ink, appearing to read "Veeru" or similar, enclosed in a green oval.

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

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

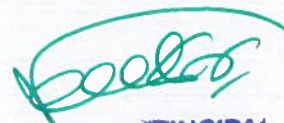
What is Machine Learning?

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



PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
WADDALE, ONGOLE.



Applications of Machine Learning

Automatic Language Translation

Email Spam and Malware Filtering

Medical Diagnosis

Self driving cars

Stock Market Trading

Product recommendation

Online Fraud Detection

Traffic Prediction

Virtual Personal Assistant

Speech Recognition

Image Recognition

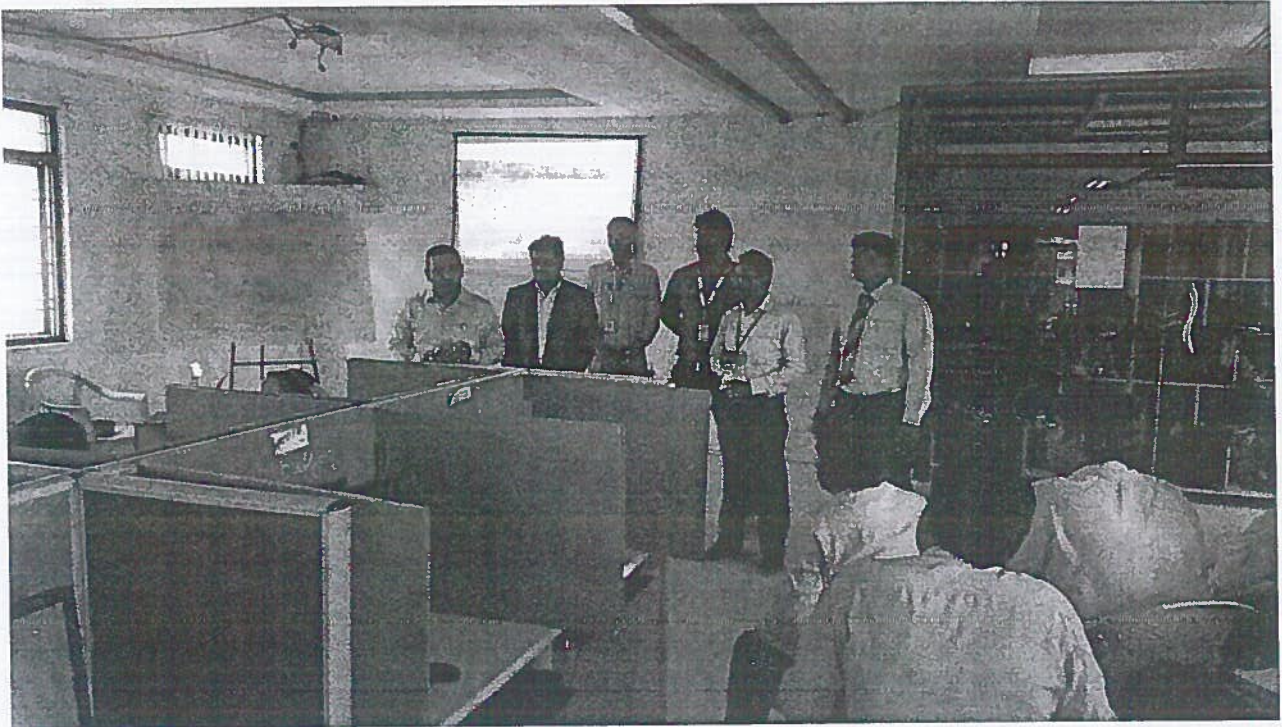

PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU: ONGOLE

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

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

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

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

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
- 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.




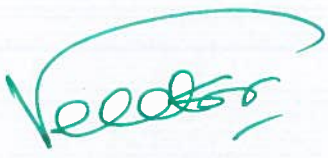
PRINCIPAL
RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.

Difference between machine learning and Artificial Intelligence

- o 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


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


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



RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:: ONGOLE

(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: 20-12-2019.

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 16-12-2019 to 20-12-2019 from 09.00 am to 5.00 pm per day. The students of III CSE total 107 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


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

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
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 Coordinator



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



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