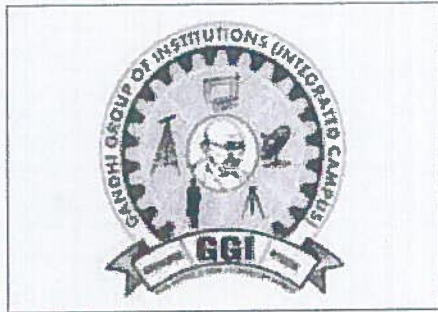
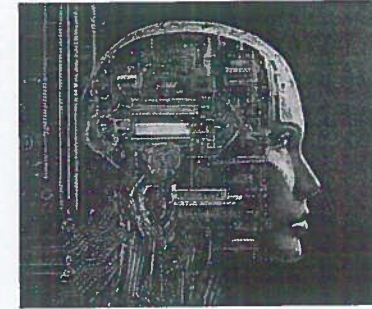


RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS: ONGOLE



Certificate program
on
“Artificial Intelligence
using
Machine learning”



09th NOVEMBER 2020 TO 13th NOVEMBER 2020

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: 05-11-2020

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 09-11-2020 to 13-11-2020.

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 INTETLLIGENCE.


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- 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

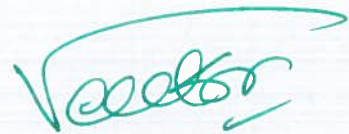
- Academic Director for KR's Educational Society.
- Coordinator for Technical Symposium in Holy Mary Group of Institutions.

Qualification

Post Graduation (M.S) in Computer Technology

Bachelor of .Tech(CSE)

References - Available on Request.



**PRINCIPAL
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GROUP OF INSTITUTIONS
VALLURU:: ONGOLE.**

**A FIVE DAY CERTIFICATE
PROGRAMME ON
“Artificial Intelligence using
Machine Learning “
09th – 13th NOV- 2020.**



Coordinator
Mr.CH.SITARAM
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.SITARAM
Assoc.prof


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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 & 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.


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

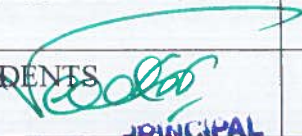
Department of Computer Science and Engineering

PROPOSAL FORM

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

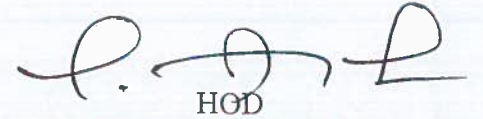
To the Secretary/Correspondent through Principal for kind approval

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	09-11-2020 TO 13-11-2020
8	DURATION OF THE PROGRAMME	5-Days
9	VENUE	Seminar Hall
10	TARGETS	III CSE students
11	No. OF PARTICIPANTS	106students
12	REGISTRATION FEE	Nil
13	NAME OF PROGRAMME CO ORDINATOR(S)	Mr.CH.SITARAM ,Assoc..professor
14	NAME OF THE STUDENTS COORDINATOR(S)	1. ATHMAKURI RAMYA(188B1A0502) 2. NANNE BOINA SUCHARITHA(188B1A0526)


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		3. R VENKATA AJAY KUMAR(188B1A05A3) 4. VADICHERLA PRASANTH(188B1A05A8)
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.SITARAM(CO ORDINATOR)

SUBMITTED BY



HOD

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



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RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

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

Department of Computer Science and Engineering

Valluru,
Date: 07-11-2020.

CIRCULAR

This is to inform III B.Tech students and faculty that there will be a 5-Day Certificate program on “Artificial Intelligence using machine learning” from 09-11-2020 to 13-11-2020 by N. Narendra, Director, Application domains/Project Management, Vijayawada.

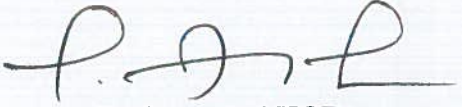
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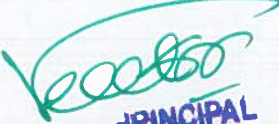
Principal

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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(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 INTILLEGENGE USING MACHINE LEARNING"

S.No	Date	Time	Topics Covered
1	09-11-2020	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	10-11-2020	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	11-11-2020	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	12-11-2020	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	13-11-2020	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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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
Institutions, VALLUR, A.P.-523 272

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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 AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : B. Sarath chandra

DATE: 13-11-2020

ROLL NO : 188B1A0594

A.Y: 2020-21

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 District, A.P, India.

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : M. Sumapriya

DATE: 13-11-2020

ROLL NO : 188B1A0575

A.Y: 2020-21

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 : S. Srivani

DATE: 13-11-2020

ROLL NO : 188B1A0529

A.Y: 2020-21

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 : G. Malleswari

DATE: 13-11-2020

ROLL NO : 188B1A0508

A.Y: 2020-21

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 : 09-11-2020 TO 13-11-2020


Venue : Seminar Hall

Targeted Students : III Year students

S.No	No. of students Participated	No. of students given feedback	Feedback %
1	106	106	100%


Co-ordinator


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


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



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DEPARTMENT OF COMUTER SCIENCE AND ENGINEERING
FEEDBACK ANALYSIS

A.Y: 2020-21

Year : III B.Tech CSE

Date: 13-11-2020

Certificate Program on "AI USING MACHINE LEARNING"

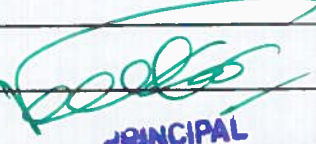
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2	188B1A0501	ASODI RAMYASREE	5	5	5	5	5	4
3	188B1A0502	ATHMAKURI RAMYA	4	4	4	4	4	5
4	188B1A0503	BEZAWADA JESWITHA	4	5	5	5	5	4
5	188B1A0504	BOMMINENI RENUKA	5	5	5	4	5	5
6	188B1A0505	BYRAPANENI YASHASREE	4	5	4	5	5	5
7	188B1A0506	CHENNUBOINA LAHARI	4	4	4	4	5	4
8	188B1A0507	CHUNDURI JAYA LAKSHMI	4	4	5	5	5	5
9	188B1A0508	GAJJALA MALLESWARI	4	5	5	4	4	4
10	188B1A0510	GUMMADI MADHURI	5	5	4	5	4	5
11	188B1A0511	JUGUNTA KUSUMALATHA	5	5	4	4	5	5
12	188B1A0512	K NAGA VYSHNAVI	5	4	5	5	5	4
13	188B1A0513	KAKUMANI AMRUTHA	5	5	4	5	5	5
14	188B1A0515	KANTU ANJALI	4	4	5	5	5	5
15	188B1A0516	KARETI MOUNIKA	4	4	4	5	5	5
16	188B1A0517	KATTINENI SUSMITHA	4	5	5	4	5	4


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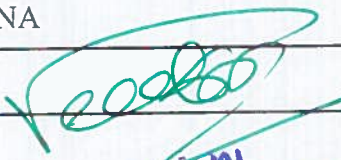
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18	188B1A0519	KOTAPATI RAJESWARI	5	4	4	5	4	5
19	188B1A0520	KOTIKELAPUDI MOWKTHIKA	4	5	5	4	5	4
20	188B1A0521	KUNAM VIDHYALATHA	4	5	5	4	5	5
21	188B1A0522	MUDDANA LAVANYA	5	4	5	5	5	5
22	188B1A0523	MULAGANI SARANYA REDDY	4	5	4	5	5	5
23	188B1A0524	MUSUNURI DHARANI	4	4	4	4	5	4
24	188B1A0525	NALLAMOTHU JAYASREE	4	5	4	4	5	5
25	188B1A0526	NANNE BOINA SUCHARITHA	4	5	5	5	4	4
26	188B1A0527	NERELLA SATVIKA	5	4	4	5	5	5
27	188B1A0528	PALADUGU DEEPIKA	5	5	4	4	4	4
28	188B1A0529	PAMIDI SRAVANI	5	5	5	5	4	5
29	188B1A0530	PANDI DEEPTHI RAYALU	4	5	4	4	4	5
30	188B1A0531	PUTTAMRAJU SRAVYA	4	5	5	4	4	4
31	188B1A0532	SAMANTHAPUDI KEERTHANA	5	5	4	4	5	5
32	188B1A0533	SUDANAGUNTA BHAVANA PRIYA	5	5	5	5	5	5
33	188B1A0534	SURABHI SRAVANI	4	5	5	5	5	5
34	188B1A0535	SURAM SRIVIDHYA	5	5	4	5	5	4
35	188B1A0536	SYED RUHI FARDIBHA	5	5	5	4	4	5
36	188B1A0537	THANGELLA GEETHIKA	5	5	5	5	5	5


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VAI-LURU:: ONGOLE.

37	188B1A0538	THATHA SAI HARI PRIYA	5	5	4	4	4	5
38	188B1A0539	THOTTEMPUDI NAVYA	4	5	5	5	5	4
39	188B1A0540	THOTTEMPUDI VENKATA NANDHINI	5	4	5	4	4	5
40	188B1A0541	VALETI PRASANNA	4	5	4	5	5	5
41	188B1A0542	VARADA SWETHA	4	4	5	4	5	4
42	188B1A0543	YANAMALA SIRISHA	5	4	4	5	5	5
43	188B1A0544	YARRAMOTHU KANAKA DURGA	4	5	5	4	4	5
44	188B1A0545	ANIL BABU SAKINENI	4	5	4	5	4	5
45	188B1A0546	BIJJAM HARSHA REDDY	5	5	5	4	5	4
46	188B1A0547	DEVIREDDY JESHWANTH REDDY	4	5	5	5	4	5
47	188B1A0548	GONUGUNTA VENKATA SURYA SAI HARSHA	4	5	5	4	5	5
48	188B1A0549	KOMMALAPATI AKHIL CHOWDARY	5	5	4	4	5	5
49	188B1A0550	KYPU RAVINDRA REDDY	4	4	5	5	5	5
50	188B1A0551	MALISSETTY DINESH	4	5	4	4	4	5
51	188B1A0552	NANDURI RAVINDRA	5	4	4	4	5	4
52	188B1A0553	PADARTHI AVINASH	4	5	4	5	4	5
53	188B1A0554	PODDUTURI GREESHMANATH	5	5	5	4	5	5
54	188B1A0555	POTTURI SARATH KUMAR	4	5	4	5	4	5
55	188B1A0556	RACHANENI SOWMITH NAIDU	4	4	4	5	5	5
56	188B1A0557	SEELAM MULINTI GURIVI REDDY	4	4	4	4	5	4


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57	188B1A0558	SUDANAGUNTA VENKATA REVANTH	5	5	4	5	5	4
58	188B1A0559	THAMALAPAKULA VAMSI BABU	4	5	5	4	5	5
59	188B1A0560	VASANTHA VIJAY BHARGAV	5	5	4	5	5	5
60	188B1A0561	AKKALA BHAVYA BHARATHI	5	4	4	5	5	5
61	188B1A0562	BHAVANASI HARITHA	4	4	5	5	4	4
62	188B1A0563	CHALLA VINEETHA	5	5	4	4	5	5
63	188B1A0564	CHELLI PRAVALIKA	5	5	4	4	5	5
64	188B1A0565	GATTUPALLI JHANSI LAKSHMI	4	4	5	5	5	5
65	188B1A0566	GURRAM KRISHNA DEEPIKA	4	5	5	4	5	5
66	188B1A0567	ILINDRA KRISHNA VARSHINI	4	5	4	4	4	5
67	188B1A0568	JAJJARA SOWKHYA	5	5	4	4	5	5
68	188B1A0569	JALAKAM USHA RANI	4	5	5	4	5	5
69	188B1A0570	KANNEBOINA GAYATHRI	4	5	5	4	5	5
70	188B1A0571	KODURI SRI SAI ALEKHYA	4	4	5	5	5	5
71	188B1A0572	KORUMALLI AHALYA	4	5	4	4	5	5
72	188B1A0573	MADISETTY BHANU KEERTHANA	4	4	4	4	5	5
73	188B1A0574	MALLAVARAPU PRUDHVI	5	5	4	4	5	5
74	188B1A0575	MIRIYALA SUMA PRIYA	4	5	4	5	5	5
75	188B1A0576	NERELLA VENKATA VASAVI	4	4	4	4	5	5


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76	188B1A0577	OLLA GAYATHRI	4	4	4	4	5	5
77	188B1A0578	PAKALA BALA CHANDANA	5	5	4	5	5	5
78	188B1A0579	PATAN ANJU	4	5	5	4	5	5
79	188B1A0580	PONNURU CHERISHMA LAKSHMI DURGA	4	5	5	5	5	5
80	188B1A0581	POTHURU VENKATA SAI AMRUTHA	4	5	5	4	5	5
81	188B1A0582	SAIBA VENKATA SARANYA	4	4	4	5	5	4
82	188B1A0583	SEELAM BORANNAGARI GURU SIVANI	4	5	4	4	4	5
83	188B1A0584	SOMISETTY VIDYA	4	5	5	5	5	5
84	188B1A0585	SWARNA BHARGAVI	5	5	4	5	4	5
85	188B1A0586	UNNAM PRAVALLIKA	5	5	5	4	5	4
86	188B1A0587	VELAMPALLI LAKSHMI VENKATA SAROJA	4	5	5	5	5	5
87	188B1A0588	VELAMPALLI PAVITHRA	5	4	4	4	5	5
88	188B1A0589	YARRA GEETHA	5	5	4	5	5	5
89	188B1A0590	YENDLURI HARI PRIYA	5	5	5	5	5	5
90	188B1A0592	BANDARU HEMANTH KUMAR	5	4	4	5	4	4
91	188B1A0593	BEEMANADHAM MADANMOHAN REDDY	5	4	5	4	4	5
92	188B1A0594	BODAPATI SARATH CHANDRA	4	4	5	5	5	5
93	188B1A0595	CHERUVU RAVITEJA	5	4	4	4	4	4
94	188B1A0596	DAMA BOSE THIRUPATA ROY CHOWDARY	4	4	5	5	5	4

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95	188B1A0597	GRANDI KIRAN KUMAR	4	5	4	4	4	5
96	188B1A0599	MADALA NISHIT	4	5	4	5	5	5
97	188B1A05A0	MURARISSETTY VENKATA RAKESH	4	4	4	5	4	5
98	188B1A05A1	NELLURI VENKATA THARUN KUMAR	4	4	5	4	5	4
99	188B1A05A2	PULICHARLA HEMANTH KUMAR REDDY	4	5	4	5	5	5
100	188B1A05A3	R VENKATA AJAY KUMAR	4	4	5	4	5	5
101	188B1A05A4	RACHAPUDI JAGADEESH	5	4	5	5	5	5
102	188B1A05A6	SANKA PAVAN KALYAN	4	5	4	5	5	5
103	188B1A05A7	URIBINDI RAVI TEJA	5	5	4	5	4	4
104	188B1A05A8	VADICHERLA PRASANTH	4	5	4	4	4	5
105	188B1A05B0	VENKATA JASWANTH GONUGUNTA	4	4	5	5	5	5
106	188B1A05B1	MARAKA MOUNIKA	5	4	5	4	4	4
			4.46	4.56	4.51	4.50	4.70	4.75
			89.23	91.19	90.22	90.00	93.96	94.91
			91.58					


COORDINATOR


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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:2020-21

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
 - d. Linear Search

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Department of Computer Science and Engineering

- 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

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Department of Computer Science and Engineering

- 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
- 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__.[]

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Department of Computer Science and Engineering

- 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

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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

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VALLURU:: ONGOLE



Department of Computer Science and Engineering

Certificate Program on Artificial Intelligence Question Paper

Student name : A. Ramya

Reg.No: 188BIA0502

Branch : III CSE

AY:2020-21

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] ✓
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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
d. Linear Search

(Handwritten signature)

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Department of Computer Science and Engineering

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

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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
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Reddy



Department of Computer Science and Engineering

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

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

- a. Simple-action rule
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- d. None of the above

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

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- d. Learning Agent

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- a. Heuristic Processing
- b. Cognitive Science
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- c. Only actions are known to the agent.
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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 _____.

Realso
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VALLURU:: ONGOLE.



Department of Computer Science and Engineering

- a. Depth-first search
- b. Breadth-first search
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17
20

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

Student name : O. Gayathri

Reg.No: 188B1A0577

Branch : III CSE

AY:2020-21

An Introduction to Artificial Intelligence Bits

- 1) Artificial Intelligence is about _____. [b] ✓
- Playing a game on Computer
 - Making a machine Intelligent
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 - Vision Systems
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Reddy

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VALLURU: ONGOLE.



Department of Computer Science and Engineering

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Department of Computer Science and Engineering

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- c. Condition-action rule
- d. None of the above

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- c. Goal-based Agent
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Department of Computer Science and Engineering

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- d. All of the above

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- c. Specialized Hypothesis
- d. Consistent Hypothesis

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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 AND ENGINEERING

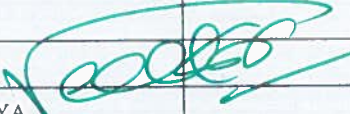
BRANCH:CSE-II
YEAR : III-I

Academic year:2020-2021

CERTIFICATE PROGRAM ON "ARTIFICIAL
INTELLIGENCE USING MACHINE LEARNING "

STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	148B1A0542	TALLURI VYDEHI	19
2	188B1A0501	ASODI RAMYASREE	19
3	188B1A0502	A I'HMAKURI RAMYA	18
4	188B1A0503	BEZAWADA JESWITHA	17
5	188B1A0504	BOMMINENI RENUKA	17
6	188B1A0505	BYRAPANENI YASHASREE	18
7	188B1A0506	CHENNUBOINA LAHARI	19
8	188B1A0507	CHUNDURI JAYA LAKSHMI	20
9	188B1A0508	GAJJALA MALLESWARI	18
10	188B1A0510	GUMMADI MADHURI	18
11	188B1A0511	JUGUNTA KUSUMALATHA	19
12	188B1A0512	K NAGA VYSHNAVI	18
13	188B1A0513	KAKUMANI AMRUTHA	18
14	188B1A0515	KANTU ANJALI	19
15	188B1A0516	KARETI MOUNIKA	17
16	188B1A0517	KATTINENI SUSMITHA	19
17	188B1A0518	KOKKILAGADDA SIREESHA	18
18	188B1A0519	KOTAPATI RAJESWARI	17
19	188B1A0520	KOTIKELAPUDI MOWKTHIKA	18
20	188B1A0521	KUNAM VIDHYALATHA	18
21	188B1A0522	MUDDANA LAVANYA	19
22	188B1A0523	MULAGANI SARANYA REDDY	20
23	188B1A0524	MUSUNURI DHARANI	20
24	188B1A0525	NALLAMOTHU JAYASREE	19
25	188B1A0526	NANNE BOINA SUCHARITHA	19
26	188B1A0527	NERELLA SATVIKA	19
27	188B1A0528	PALADUGU DEEPIKA	17
28	188B1A0529	PAMIDI SRAVANI	19
29	188B1A0530	PANDI DEEPTHI RAYALU	18
30	188B1A0531	PUTTAMRAJU SRAVYA	18
31	188B1A0532	SAMANTHAPUDI KEERTHANA	18
32	188B1A0533	SUDANAGUNTA BHAVANA PRIYA	18
33	188B1A0534	SURABHI SRAVANI	19
34	188B1A0535	SURAM SRIVIDHYA	18
35	188B1A0536	SYED RUHI FARDIBHA	19


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S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
36	188B1A0537	THANGELLA GEETHIKA	17
37	188B1A0538	THATHA SAI HARI PRIYA	19
38	188B1A0539	THOTTEMPUDI NAVYA	18
39	188B1A0540	THOTTEMPUDI VENKATA NANDHINI	18
40	188B1A0541	VALETI PRASANNA	17
41	188B1A0542	VARADA SWETHA	18
42	188B1A0543	YANAMALA SIRISHA	19
43	188B1A0544	YARRAMOTHU KANAKA DURGA	18
44	188B1A0545	ANIL BABU SAKINENI	18
45	188B1A0546	BIJJAM HARSHA REDDY	19
46	188B1A0547	DEVIREDDY JESHWANTH REDDY	17
47	188B1A0548	GONUGUNTA VENKATA SURYA SAI HARSHA	19
48	188B1A0549	KOMMALAPATI AKHIL CHOWDARY	18
49	188B1A0550	KYPU RAVINDRA REDDY	17
50	188B1A0551	MALISSETTY DINESH	19
51	188B1A0552	NANDURI RAVINDRA	19
52	188B1A0553	PADARTHI AVINASH	19
53	188B1A0554	PODDUTURI GREESHMANATH	20
54	188B1A0555	POTTURI SARATH KUMAR	20
55	188B1A0556	RACHANENI SOWMITH NAIDU	19
56	188B1A0557	SEELAM MULINTI GURIVI REDDY	18
57	188B1A0558	SUDANAGUNTA VENKATA REVANTH	18
58	188B1A0559	THAMAI APAKHILA VAMSI RARI	19
59	188B1A0560	VASANTHA VIJAY BHARGAV	19

Faculty Coordinator

HOD
 Department of CSE
 SE Krishna Sai Gandhi Group of
 Institutions, VALLUR, A.P.-523 272

Principal

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 GROUP OF INSTITUTIONS
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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 AND ENGINEERING

BRANCH:CSE-I
YEAR : III-I

Academic year:2020-2021

Certificate program on "ARTIFICIAL INTELLIGENCE
USING MACHINE LEARNING"


STUDENT ASSESSMENT SHEET

S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
1	188B1A0561	AKKALA BHAVYA BHARATHI	19
2	188B1A0562	BHAVANASI HARITHA	19
3	188B1A0563	CHALLA VINEETHA	19
4	188B1A0564	CHELLI PRAVALIKA	19
5	188B1A0565	GATTUPALLI JHANSI LAKSHMI	18
6	188B1A0566	GURRAM KRISHNA DEEPIKA	17
7	188B1A0567	ILINDRA KRISHNA VARSHINI	18
8	188B1A0568	JAJJARA SOWKHYA	19
9	188B1A0569	JALAKAM USHA RANI	19
10	188B1A0570	KANNEBOINA GAYATHRI	18
11	188B1A0571	KODURI SRI SAI ALEKHYA	20
12	188B1A0572	KORUMALLI AHALYA	19
13	188B1A0573	MADISETTY BHANU KEERTHANA	17
14	188B1A0574	MALLAVARAPU PRUDHVI	19
15	188B1A0575	MIRIYALA SUMA PRIYA	19
16	188B1A0576	NERELLA VENKATA VASAVI	19
17	188B1A0577	OLLA GAYATHRI	18
18	188B1A0578	PAKALA BALA CHANDANA	19
19	188B1A0579	PATAN ANJU	19
20	188B1A0580	PONNURU CHERISHMA LAKSHMI DURGA	18
21	188B1A0581	POTHURU VENKATA SAI AMRUTHA	18
22	188B1A0582	SAIBA VENKATA SARANYA	19
23	188B1A0583	SEELAM BORANNAGARI GURU SIVANI	17
24	188B1A0584	SOMISETTY VIDYA	19
25	188B1A0585	SWARNA BHARGAVI	17
26	188B1A0586	UNNAM PRAVALLIKA	19
27	188B1A0587	VELAMPALLI LAKSHMI VENKATA SAROJA	19
28	188B1A0588	VELAMPALLI PAVITHRA	19
29	188B1A0589	YARRA GEETHA	17
30	188B1A0590	YENDLURI HARI PRIYA	17
31	188B1A0592	BANDARU HEMANTH KUMAR	20
32	188B1A0593	BEEMANADHAM MADANMOHAN REDDY	18
33	188B1A0594	BODAPATI SARATH CHANDRA	19
34	188B1A0595	CHERUVU RAVITEJA	19
35	188B1A0596	DAMA BOSE THIRUPATA ROY CHOWDARY	19


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S.NO	ROLL NUMBERS	NAME OF THE STUDENT	MARKS
37	188B1A0599	MADALA NISHIT	20
38	188B1A05A0	MURARISSETTY VENKATA RAKESH	20
39	188B1A05A1	NELLURI VENKATA THARUN KUMAR	20
40	188B1A05A2	PULICHARLA HEMANTH KUMAR REDDY	18
41	188B1A05A3	R VENKATA AJAY KUMAR	20
42	188B1A05A4	RACHAPUDI JAGADEESH	18
43	188B1A05A6	SANKA PAVAN KALYAN	18
44	188B1A05A7	URIBINDI RAVI TEJA	18
45	188B1A05A8	VADICHERLA PRASANTH	20
46	188B1A05B0	VENKATA JASWANATH GONUGUNTA	17
47	188B1A05B1	MARAKA MOUNIKA	17


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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 09th – 13th November 2020 in
RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

A handwritten signature in green ink, appearing to read "V. S. S. S.", is written over a faint 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:

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



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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

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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.

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Support Vector Machines (SVM)

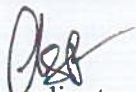
It is also one of the most popular machine learning algorithms that come as a subset of the Supervised Learning technique in machine learning.

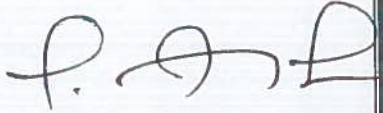
Naïve Bayes

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

- 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


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

Department of Computer Science and Engineering

Date: 13-11-2020.

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 09-11-2020 to 13-11-2020 from 09.00 am to 5.00 pm per day. The students of III CSE total 106 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

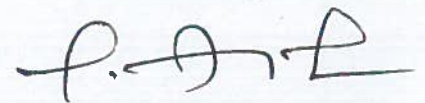
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14. Constraint Satisfaction Problems: Representation of the atomic state
15. Map coloring and other examples of CSP
16. Backtracking Search
17. Variable and Value Ordering in Backtracking Search
18. Inference for detecting failures early
19. Exploiting problem structure
20. Logic in AI: Different Knowledge Representation systems - I
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.

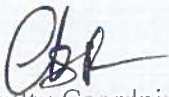
Thanking you sir,

Yours faithfully,



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Faculty Coordinator



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