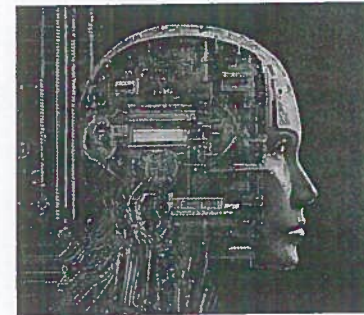


RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS:ONGOLE



Certificate program
on
“Artificial Intelligence
using
Machine learning”



19th NOVEMBER 2018 TO 23th NOVEMBER 2018

Mr.N.Narendra

Director, Application domains\Project Management.

Vijayawada.

ORGANIZED BY
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

Narendra
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: 13-11-2018

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 19-11-2018 to 23-11-2018.

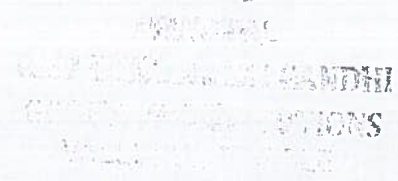
You are requested to interact and provide guidance to our III B.Tech students, who are looking forward to their bright career ahead. I will feel honored by your gracious presence at our organization. I believe that your lecture will help our students and faculty members to explore knowledge.

Thanking you in anticipation.

Yours sincerely,


Principal


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GROUP OF INSTITUTIONS
VALLURU:: ONGOLE


RISE KRISHNA SAI GANDHI
GROUP OF INSTITUTIONS
VALLURU, PRAKASAM (DIST), ANDHRA PRADESH, INDIA

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

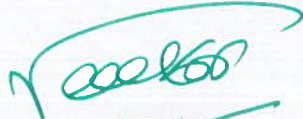
- Delivered services as Guest Lecturer for ARTIFICIAL INTELLIGENCE USING MACHINE LEARNING” in Andhra University College of Engineering.
- Worked as Assistant Professor in couple of Enginecring Colleges.
- As Junior Research Fellow in Defence Research & Development Laboratory.

Areas of Expertise

- **Product Development:** Evolving modulcs that cnable 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

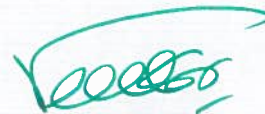
- Academic Director for KR's Educational Society.
- Coordinator for Technical Symposium in Holy Mary Group of Institutions.

Qualification

Post Graduation (M.S) in Computer Technology

Bachelor of .Tech(CSE)

References - Available on Request.



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**A FIVE DAY CERTIFICATE
PROGRAMME ON
“Artificial Intelligence using
Machine Learning “
19th – 23th NOV, 2018.**



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. :

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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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(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 | 19-11-2018 to 23-11-2018 |
| 8 | DURATION OF THE PROGRAMME | 5-Days |
| 9 | VENUE | Seminar Hall |
| 10 | TARGETS | III CSE students |
| 11 | No. OF PARTICIPANTS | 115students |
| 12 | REGISTRATION FEE | Nil |
| 13 | NAME OF PROGRAMME CO ORDINATOR(S) | Mr.CH.HARI KRISHNA, Assoc. prof. (CSE)  PRINCIPAL RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS VALLURU:: ONGOLE |
| 14 | NAME OF THE STUDENTS COORDINATOR(S) | 1.B.Pavithra(208B1A0503) 2.Swarna Soni(208B1A0577) |

| | | |
|----|----------------------------------|--|
| 15 | SOURCE OF FUND IDENTIFIED | Management |
| 16 | MANAGEMENT CONTRIBUTION REQUIRED | YES /NO |
| 17 | NAME OF BUDGETORY MEMBERS | 1.Mr. P. Isaac Paul (HOD) 2. Mr. CH.Hari krishna (CO ORDINATOR) |

SUBMITTED BY



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



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

Department of Computer Science and Engineering

Valluru,
Date: 17-11-2018.

CIRCULAR

This is to inform IIIB.Tech students and faculty that there will be a 5-Day Certificate program on "Artificial Intelligence using machine learning" from 19-11-2018 to 23-11-2018 by N. Narendra, Director, Application domains\Project Management, Vijayawada.

Copy to:

Principal

Staff Circular

Students of CSE III year

CSE Department Notice Boards

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

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Department of Computer Science & Engineering

Schedule for "ARTIFICIAL INTILLEGENCE USING MACHINE LEARNING"

| S.No | Date | Time | Topic Covered |
|------|------------|--------------------|---|
| 1 | 19-11-2018 | 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 | 20-11-2018 | 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 | 21-11-2018 | 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 | 22-11-2018 | 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 | 23-11-2018 | 9.00am to 12.40pm | 20. Logic in AI: Different Knowledge Representation systems - 1 21. Uncertainty in AI: Motivation 22. Bayesian Networks: Rejection Sampling 23. |
| | | Lunch | |


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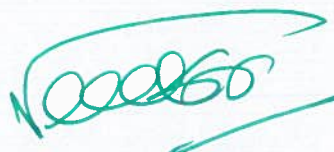
| | | | |
|--|--|------------------|--|
| | | 1.20pm to 4.00pm | 23 Decision Theory: Steps in Decision Theory 24 Reinforcement Learning: Background 25 Deep Learning: Perceptron's and Activation functions |
| | | 4.00pm to 5.00pm | Closing ceremony |


Coordinator



HOD

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



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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 : A. Ganesh chowdary

DATE: 12-11-2018


ROLL NO : 168B1A0594

A.Y: 2018-19

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 : L. Divya

DATE: 12-11-2018

ROLL NO : 16881A0576

A.Y: 2018-19

PROGRAMME NAME : "AI Using machine Learning"

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

5-EXCELLENT

4-GOOD

3-AVERAGE

2-POOR

1-NO COMMENT

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

STUDENT FEED BACK FORM

NAME OF THE STUDENT : P. Sri vani

DATE: 12-11-2018

ROLL NO : 168B1A0537

A.Y: 2018-19

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 : *K. Divya Sree*

DATE: *12-11-2018*

ROLL NO : *168BIA0511*

A.Y: *2018-19*

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

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VALLURU - ONGOLE.**



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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

FEEDBACK ANALYSIS

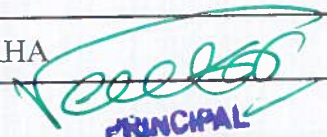
A.Y: 2018-2019

Year : III B.Tech CSE

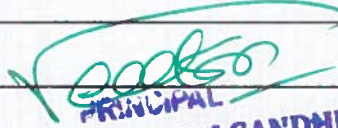
Date: 12-11-2018

Certificate Program on AI

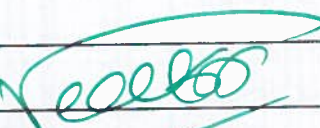
| S.No | Roll Number | Name | 1 | 2 | 3 | 4 | 5 | 6 |
|------|-------------|---------------------------------|---|---|---|---|---|---|
| 1 | 168B1A0501 | ALLAM MANEESHA | 5 | 4 | 5 | 4 | 4 | 5 |
| 2 | 168B1A0503 | BANDI REVATHI | 5 | 4 | 4 | 5 | 5 | 4 |
| 3 | 168B1A0504 | BIYYAPU SRAVYA | 4 | 4 | 5 | 4 | 4 | 5 |
| 4 | 168B1A0505 | BOGGARAPU SWETHA | 4 | 5 | 4 | 5 | 5 | 4 |
| 5 | 168B1A0506 | CHALLA SWAPNA | 4 | 4 | 5 | 4 | 5 | 5 |
| 6 | 168B1A0507 | CHALUVADI RESHMA SAI | 5 | 5 | 5 | 5 | 5 | 5 |
| 7 | 168B1A0508 | CHALUVADI VENKATA RAMYA | 4 | 5 | 5 | 4 | 5 | 4 |
| 8 | 168B1A0509 | DESU KIRANMAYEE | 5 | 5 | 5 | 5 | 5 | 5 |
| 9 | 168B1A0510 | DIVI MOUNIKA | 5 | 4 | 5 | 4 | 4 | 4 |
| 10 | 168B1A0511 | DIVYA SREE KOLLI | 5 | 4 | 4 | 5 | 4 | 5 |
| 11 | 168B1A0512 | GADELA LAKSHMI PRASANNA | 4 | 4 | 5 | 4 | 5 | 5 |
| 12 | 168B1A0513 | GADIPARTHI JYOTHSNA | 5 | 4 | 4 | 5 | 5 | 4 |
| 13 | 168B1A0514 | GANAPANENI NARAYANA HARSHITHA | 4 | 4 | 4 | 5 | 5 | 5 |
| 14 | 168B1A0515 | GHORAKAVI VENKATA SAI SREELEKHA | 4 | 4 | 5 | 5 | 5 | 5 |
| 15 | 168B1A0516 | GOGINENI VENKATA ANUSHA | 4 | 4 | 5 | 5 | 5 | 5 |
| 16 | 168B1A0517 | GORIGE VENKATA NAVYA SRI | 4 | 4 | 4 | 4 | 5 | 4 |


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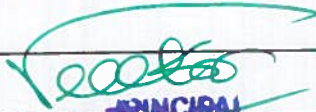
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|----|------------|--------------------------------|---|---|---|---|---|---|
| 17 | 168B1A0518 | KAMMA RAJA RAJESWARI | 4 | 5 | 5 | 4 | 4 | 5 |
| 18 | 168B1A0519 | KARETI VASAVI | 5 | 4 | 5 | 5 | 4 | 5 |
| 19 | 168B1A0520 | KODE VANA PRIYA | 4 | 4 | 5 | 4 | 5 | 4 |
| 20 | 168B1A0521 | KODURI AMRUTHA | 5 | 5 | 4 | 4 | 5 | 5 |
| 21 | 168B1A0522 | KOPPOLU SADHIKA | 5 | 5 | 4 | 5 | 5 | 5 |
| 22 | 168B1A0523 | KOTA VENKATA DHANA LAKSHMI | 5 | 4 | 5 | 5 | 5 | 5 |
| 23 | 168B1A0524 | KOTHA POOJITHA | 4 | 5 | 5 | 4 | 5 | 4 |
| 24 | 168B1A0525 | MADDI VENKATA PRASANNA SUPRIYA | 5 | 4 | 5 | 4 | 5 | 5 |
| 25 | 168B1A0526 | MADDIREDDY SRAVANI | 4 | 5 | 5 | 5 | 4 | 4 |
| 26 | 168B1A0527 | MANDADI SRAVANI | 4 | 5 | 5 | 5 | 5 | 5 |
| 27 | 168B1A0528 | MANDALAPU SARANYA | 4 | 5 | 4 | 4 | 4 | 4 |
| 28 | 168B1A0529 | MANNAM SAMATHA KUMARI | 5 | 5 | 5 | 5 | 4 | 5 |
| 29 | 168B1A0530 | MURAKA APARNA | 5 | 5 | 5 | 4 | 4 | 5 |
| 30 | 168B1A0531 | NARISSETTY PADMAVATHI | 5 | 5 | 4 | 4 | 4 | 4 |
| 31 | 168B1A0532 | NARNE MAMATHA | 5 | 4 | 4 | 4 | 5 | 5 |
| 32 | 168B1A0533 | NEELAKANTAM ANKUSHA | 4 | 5 | 4 | 5 | 5 | 5 |
| 33 | 168B1A0534 | NUVVALA NAGABHARGAVI | 5 | 4 | 4 | 5 | 5 | 5 |
| 34 | 168B1A0535 | PAIDIPATI SREELAKSHMI GOWRI | 5 | 4 | 4 | 5 | 5 | 4 |
| 35 | 168B1A0536 | PAMIDI DIVYA | 5 | 4 | 5 | 4 | 4 | 5 |
| 36 | 168B1A0537 | PAMURI SRAVANI | 4 | 5 | 5 | 5 | 5 | 5 |


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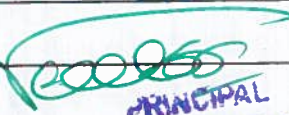
| | | | | | | | | |
|----|------------|-------------------------------|---|---|---|---|---|---|
| 37 | 168B1A0538 | PARITALA LAKSHMI VENGAMAMBA | 4 | 5 | 4 | 4 | 4 | 5 |
| 38 | 168B1A0539 | PATAPANJULA NIKHILA | 5 | 4 | 5 | 5 | 5 | 4 |
| 39 | 168B1A0540 | PERURI VENKATA SUDEEPTHI | 4 | 4 | 4 | 4 | 4 | 5 |
| 40 | 168B1A0541 | RAYABROLU SUPRIYA SAI LAKSHMI | 5 | 5 | 5 | 5 | 5 | 5 |
| 41 | 168B1A0542 | SAMI MEGHANA | 5 | 4 | 4 | 4 | 5 | 4 |
| 42 | 168B1A0543 | SANAGAPALLI AARATHI | 4 | 4 | 5 | 5 | 5 | 5 |
| 43 | 168B1A0544 | SYED JUHI ARSHIYA | 5 | 4 | 5 | 4 | 4 | 5 |
| 44 | 168B1A0545 | TALLURI RUKMINI | 5 | 4 | 4 | 5 | 4 | 5 |
| 45 | 168B1A0546 | VARRA VENKATA DURGABHAVANI | 5 | 5 | 5 | 4 | 5 | 4 |
| 46 | 168B1A0547 | VEERAMOSU DEEKSHA | 4 | 4 | 5 | 5 | 4 | 5 |
| 47 | 168B1A0548 | VEERTHINENI VENKATA SIREESHA | 4 | 4 | 4 | 4 | 5 | 5 |
| 48 | 168B1A0549 | YEDUPATI RAJITHA | 5 | 4 | 5 | 4 | 5 | 5 |
| 49 | 168B1A0550 | CHALLA KOTESWARA RAO | 4 | 5 | 4 | 5 | 5 | 5 |
| 50 | 168B1A0551 | GUDIVADA MANI DEEPAK | 4 | 5 | 5 | 4 | 4 | 5 |
| 51 | 168B1A0552 | KONCHA SUHAS REDDY | 4 | 4 | 4 | 4 | 5 | 4 |
| 52 | 168B1A0553 | MADDIBOINA HARISH | 5 | 5 | 4 | 5 | 4 | 5 |
| 53 | 168B1A0554 | MUTYALA SRIRATNAKAR | 4 | 5 | 4 | 4 | 5 | 5 |
| 54 | 168B1A0555 | NALAMOTHU ANJANEYULU | 5 | 5 | 5 | 5 | 4 | 5 |
| 55 | 168B1A0556 | PONUGUPATI VENKATA NARENDRA | 5 | 5 | 5 | 5 | 5 | 5 |
| 56 | 168B1A0557 | RACHAPUDI THIRUPATHI VENKATA | 5 | 4 | 4 | 4 | 5 | 4 |


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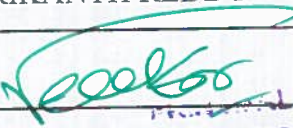
| | | | | | | | | |
|----|------------|-------------------------------------|---|---|---|---|---|---|
| 57 | 168B1A0558 | VAYIGANDLA VENU SAI | 4 | 4 | 5 | 5 | 5 | 4 |
| 58 | 168B1A0559 | VETCHA SAI KRISHNA | 5 | 4 | 5 | 4 | 5 | 5 |
| 59 | 168B1A0560 | YELCHURI VENKATA SAI JASWANTH KUMAR | 4 | 5 | 4 | 5 | 5 | 5 |
| 60 | 168B1A0561 | ADDANKI PRIYANKA | 5 | 5 | 5 | 5 | 5 | 5 |
| 61 | 168B1A0562 | BONALA CHENCHULAKSHMI | 4 | 5 | 5 | 5 | 4 | 4 |
| 62 | 168B1A0563 | CHEEDELLA VENKATA KUMUDHA | 5 | 5 | 5 | 4 | 5 | 5 |
| 63 | 168B1A0564 | CHEVUTURI CHANDANA | 5 | 4 | 5 | 4 | 5 | 5 |
| 64 | 168B1A0565 | DARLA SONALIYA | 4 | 5 | 5 | 5 | 5 | 5 |
| 65 | 168B1A0566 | DIRISALA SAI MEGHANA | 4 | 4 | 4 | 4 | 5 | 5 |
| 66 | 168B1A0567 | DODDALA MANASA | 5 | 4 | 5 | 4 | 5 | 5 |
| 67 | 168B1A0568 | GONE LILLY GRACE | 4 | 4 | 5 | 4 | 5 | 5 |
| 68 | 168B1A0569 | IMMIDISSETTY SUSHMITHA | 5 | 5 | 4 | 4 | 5 | 5 |
| 69 | 168B1A0570 | KALAVAKURI SUMATHI | 4 | 4 | 5 | 4 | 5 | 5 |
| 70 | 168B1A0571 | KARYAM SREETULASI | 5 | 5 | 5 | 5 | 5 | 5 |
| 71 | 168B1A0572 | KATTA SWAPNA | 5 | 4 | 4 | 4 | 5 | 5 |
| 72 | 168B1A0573 | KODAMALA ANUSHA | 5 | 4 | 4 | 4 | 5 | 5 |
| 73 | 168B1A0574 | KOTA LAKSHMI BHAVANI | 4 | 5 | 5 | 4 | 5 | 5 |
| 74 | 168B1A0575 | LINGAM NAGA YAMINI | 5 | 4 | 4 | 5 | 5 | 5 |
| 75 | 168B1A0576 | LINGAMGUNTA DIVYA | 4 | 4 | 4 | 4 | 5 | 5 |


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|----|------------|--------------------------------|---|---|---|---|---|---|
| 76 | 168B1A0577 | MVN SAI DIVYA | 5 | 4 | 5 | 4 | 5 | 5 |
| 77 | 168B1A0578 | NANDIPATI ASRITHA LAKSHMI | 4 | 5 | 4 | 5 | 5 | 5 |
| 78 | 168B1A0579 | NANNURI JAHNSIRANI | 4 | 5 | 5 | 4 | 5 | 5 |
| 79 | 168B1A0580 | NARAYANA MOUNIKA | 4 | 5 | 5 | 5 | 5 | 5 |
| 80 | 168B1A0581 | NEELAM BHARATHI | 4 | 4 | 5 | 4 | 5 | 5 |
| 81 | 168B1A0582 | P S S N SUSMITHA | 5 | 4 | 4 | 5 | 5 | 4 |
| 82 | 168B1A0583 | PHARAY GANGA BHAVANI | 5 | 4 | 4 | 4 | 4 | 5 |
| 83 | 168B1A0584 | RAMPATHOTI CHENCHULAKSHMI | 4 | 4 | 4 | 5 | 5 | 5 |
| 84 | 168B1A0585 | RAVINUTHALA SASIMANI | 5 | 5 | 4 | 5 | 4 | 5 |
| 85 | 168B1A0586 | SHAIK MEHATAJ | 4 | 4 | 4 | 4 | 5 | 4 |
| 86 | 168B1A0587 | SINGAREDDY SWAPNA JYOTHI REDDY | 4 | 4 | 4 | 5 | 5 | 5 |
| 87 | 168B1A0588 | TAPPETA SANDHYA | 5 | 4 | 5 | 4 | 5 | 5 |
| 88 | 168B1A0589 | TEETLA NAGA JYOTHI | 4 | 4 | 5 | 5 | 5 | 5 |
| 89 | 168B1A0590 | TUNUGUNTLA SAI DURGA | 5 | 4 | 4 | 5 | 5 | 5 |
| 90 | 168B1A0591 | V DIVYA | 4 | 4 | 5 | 5 | 4 | 4 |
| 91 | 168B1A0592 | VAKA SAI KEERTHI | 5 | 4 | 4 | 4 | 4 | 5 |
| 92 | 168B1A0593 | VOLETI VENKATA SRIMOUNIKA | 4 | 5 | 5 | 5 | 5 | 5 |
| 93 | 168B1A0594 | ALLA GANESH CHOWDARY | 5 | 4 | 4 | 4 | 4 | 4 |
| 94 | 168B1A0595 | BAKKAMANTHULA ABHILASH | 5 | 4 | 4 | 5 | 5 | 4 |


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|-----|------------|-------------------------------------|---|---|---|---|---|---|
| 95 | 168B1A0596 | CHIDIPOTHU SAI KUMAR | 4 | 4 | 4 | 4 | 4 | 5 |
| 96 | 168B1A0597 | CHINTHALA VISHNU | 5 | 4 | 5 | 5 | 5 | 5 |
| 97 | 168B1A05A0 | GOLLAPUDI SRI SAI SATEESH | 4 | 5 | 5 | 5 | 4 | 5 |
| 98 | 168B1A05A1 | KAMMILI GANESH | 5 | 5 | 5 | 4 | 5 | 4 |
| 99 | 168B1A05A2 | KANAMARLAPUDI NARENDRA | 5 | 4 | 5 | 5 | 5 | 5 |
| 100 | 168B1A05A3 | KANJULA MANIVARDHAN REDDY | 4 | 5 | 4 | 4 | 5 | 5 |
| 101 | 168B1A05A4 | KARU PRADEEP KUMAR | 5 | 5 | 5 | 5 | 5 | 5 |
| 102 | 168B1A05A6 | KOPPOLA RAMANJANEYULU | 5 | 4 | 5 | 5 | 5 | 5 |
| 103 | 168B1A05A7 | MALADI SASIDHAR | 5 | 4 | 5 | 5 | 4 | 4 |
| 104 | 168B1A05A8 | MANCHIKANTI ASHOK KUMAR REDDY | 4 | 5 | 4 | 4 | 4 | 5 |
| 105 | 168B1A05A9 | MANDAVA HARISH | 5 | 5 | 4 | 5 | 5 | 5 |
| 106 | 168B1A05B0 | MDARAMITLA GANESH | 4 | 4 | 5 | 4 | 4 | 4 |
| 107 | 168B1A05B1 | MUPPARAJU VENKATA RAJENDRA | 4 | 5 | 4 | 5 | 5 | 4 |
| 108 | 168B1A05B2 | NALLAPAREDDY VENKATA SRIKANTH REDDY | 5 | 4 | 5 | 4 | 4 | 5 |
| 109 | 168B1A05B3 | PUTTA NARESH | 5 | 4 | 5 | 5 | 5 | 5 |
| 110 | 168B1A05B4 | SAGILI THIRUPATHI REDDY | 5 | 5 | 4 | 5 | 4 | 5 |


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|-----|------------|-------------------------|-------|-------|-------|-------|-------|-------|
| 111 | 168B1A05B5 | SHAIK AHAD | 4 | 5 | 4 | 4 | 5 | 4 |
| 112 | 168B1A05B6 | SOMISETTY SUDHAKAR BABU | 4 | 4 | 4 | 5 | 5 | 5 |
| 113 | 168B1A05B7 | TANNERU VASU | 4 | 4 | 5 | 5 | 5 | 5 |
| 114 | 168B1A05B8 | VEMURI VENKATA MANISH | 4 | 5 | 4 | 4 | 5 | 5 |
| 115 | 168B1A05B9 | VENNELAGANTI GOUTHAM | 5 | 4 | 4 | 5 | 5 | 5 |
| | | | 4.52 | 4.47 | 4.51 | 4.51 | 4.71 | 4.75 |
| | | | 90.47 | 89.42 | 90.28 | 90.26 | 94.26 | 94.96 |
| | | | 91.61 | | | | | |

Chaitanya

Veerappa
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VALLURU:: ONGOLE.

P. S. D.
HEAD OF THE DEPARTMENT
Department of CSE
RISE Krishna Sai Gandhi Group of
stitutions, VALLUR, A.P.-523 27?



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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 : 19-11-2018 to 23-11-2018


Venue : Seminar Hall

Targeted Students : III Year students

| S.No | No. of students Participated | No. of students given feedback | Feedback % |
|------|------------------------------|--------------------------------|------------|
| 1 | 115 | 115 | 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


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VALLURU: O



Certificate Program on Artificial Intelligence Question Paper

Student name :

Reg.No:

Branch : III CSE

AY:2018-2019

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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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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- 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____. []



- a. Depth-first search
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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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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
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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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18

20

Certificate Program on Artificial Intelligence Question Paper

Student name : D. Manasa

Reg.No: 168BIA0567

Branch : III CSE

AY:2018-2019

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"? [b] X
- Fisher Ada
 - Alan Turing
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(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] ✓

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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 [c] ✓



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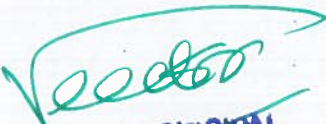
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Certificate Program on Artificial Intelligence Question Paper

Student name : D. Mounika

Reg.No: 168BIA0510

Branch : III CSE

AY:2018-2019

17
20

An Introduction to Artificial Intelligence Bits

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

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

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

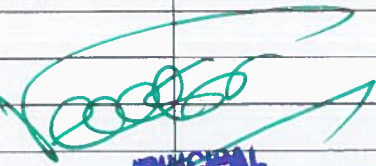
BRANCH:CSE-I
YEAR : III-I

Academic year:2018-19

Certificate program on "ARTIFICIAL INTELLIGENCE
USING MACHINE LEARNING"


STUDENT ASSESSMENT SHEET


| S.NO | ROLL NUMBERS | NAME OF THE STUDENT | MARKS |
|------|--------------|---------------------------------|-------|
| 1 | 168B1A0501 | ALLAM MANEESHA | 17 |
| 2 | 168B1A0503 | BANDI REVATHI | 20 |
| 3 | 168B1A0504 | BIYYAPU SRAVYA | 19 |
| 4 | 168B1A0505 | BOGGARAPU SWETHA | 19 |
| 5 | 168B1A0506 | CHALLA SWAPNA | 19 |
| 6 | 168B1A0507 | CHALUVADI RESHMA SAI | 19 |
| 7 | 168B1A0508 | CHALUVADI VENKATA RAMYA | 18 |
| 8 | 168B1A0509 | DESU KIRANMAYEE | 19 |
| 9 | 168B1A0510 | DIVI MOUNIKA | 17 |
| 10 | 168B1A0511 | DIVYA SREE KOLLI | 18 |
| 11 | 168B1A0512 | GADELA LAKSHMI PRASANNA | 19 |
| 12 | 168B1A0513 | GADIPARTHI JYOTHSNA | 19 |
| 13 | 168B1A0514 | GANAPANENI NARAYANA HARSHITHA | 19 |
| 14 | 168B1A0515 | GHORAKAVI VENKATA SAI SREELEKHA | 19 |
| 15 | 168B1A0516 | GOGINENI VENKATA ANUSHA | 18 |
| 16 | 168B1A0517 | GORIGE VENKATA NAVYA SRI | 17 |
| 17 | 168B1A0518 | KAMMA RAJA RAJESWARI | 20 |
| 18 | 168B1A0519 | KARETI VASAVI | 18 |
| 19 | 168B1A0520 | KODE VANA PRIYA | 18 |
| 20 | 168B1A0521 | KODURI AMRUTHA | 19 |
| 21 | 168B1A0522 | KOPPOLU SADHIKA | 17 |
| 22 | 168B1A0523 | KOTA VENKATA DHANA LAKSHMI | 20 |
| 23 | 168B1A0524 | KOTHA POOJITHA | 17 |
| 24 | 168B1A0525 | MADDI VENKATA PRASANNA SUPRIYA | 17 |
| 25 | 168B1A0526 | MADDIREDDY SRAVANI | 20 |
| 26 | 168B1A0527 | MANDADI SRAVANI | 19 |
| 27 | 168B1A0528 | MANDALAPU SARANYA | 18 |
| 28 | 168B1A0529 | MANNAM SAMATHA KUMARI | 17 |
| 29 | 168B1A0530 | MURAKA APARNA | 18 |
| 30 | 168B1A0531 | NARISSETTY PADMAVATHI | 17 |
| 31 | 168B1A0532 | NARNE MAMATHA | 18 |
| 32 | 168B1A0533 | NEELAKANTAM ANKUSHA | 19 |
| 33 | 168B1A0534 | NUVVALA NAGABHARGAVI | 18 |
| 34 | 168B1A0535 | PAIDIPATI SREELAKSHMI GOWRI | 19 |
| 35 | 168B1A0536 | PAMIDI DIVYA | 18 |


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| S.NO | ROLL NUMBERS | NAME OF THE STUDENT | MARKS |
|------|--------------|-------------------------------------|-------|
| 37 | 168B1A0538 | PARITALA LAKSHMI VENGAMAMBA | 19 |
| 38 | 168B1A0539 | PATAPANJULA NIKHILA | 20 |
| 39 | 168B1A0540 | PERURI VENKATA SUDEEPTHI | 19 |
| 40 | 168B1A0541 | RAYABROLU SUPRIYA SAI LAKSHMI | 19 |
| 41 | 168B1A0542 | SAMI MEGHANA | 18 |
| 42 | 168B1A0543 | SANAGAPALLI AARATHI | 18 |
| 43 | 168B1A0544 | SYED JUHI ARSHIYA | 17 |
| 44 | 168B1A0545 | TALLURI RUKMINI | 19 |
| 45 | 168B1A0546 | VARRA VENKATA DURGABHAVANI | 18 |
| 46 | 168B1A0547 | VEERAMOSU DEEKSHA | 19 |
| 47 | 168B1A0548 | VEERTHINENI VENKATA SIREESHA | 20 |
| 48 | 168B1A0549 | YEDUPATI RAJITHA | 18 |
| 49 | 168B1A0550 | CHALLA KOTESWARA RAO | 17 |
| 50 | 168B1A0551 | GUDIVADA MANI DEEPAK | 19 |
| 51 | 168B1A0552 | KONCHA SUHAS REDDY | 19 |
| 52 | 168B1A0553 | MADDIBOINA HARISH | 19 |
| 53 | 168B1A0554 | MUTYALA SRIRATNAKAR | 19 |
| 54 | 168B1A0555 | NALAMOTHU ANJANEYULU | 20 |
| 55 | 168B1A0556 | PONUGUPATI VENKATA NARENDRA | 19 |
| 56 | 168B1A0557 | RACHAPUDI THIRUPATHI VENKATESH | 19 |
| 57 | 168B1A0558 | VAYIGANDLA VENU SAI | 17 |
| 58 | 168B1A0559 | VETCHA SAI KRISHNA | 18 |
| 59 | 168B1A0560 | YELCHURI VENKATA SAI JASWANTH KUMAR | 19 |


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RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

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

DEPARTMENT OF COMPUTER SCIENCE ENGINEERING

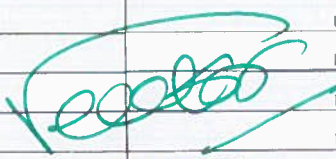
BRANCH:CSE-II
YEAR : III-I

Academic year:2018-19

CERTIFICATE PROGRAM ON "ARTIFICIAL
INTELLIGENCE WITH MACHINE LEARNING"

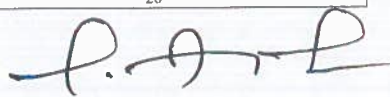
STUDENT ASSESSMENT SHEET

| S.NO | ROLL NUMBERS | NAME OF THE STUDENT | MARKS |
|------|--------------|--------------------------------|-------|
| 1 | 168B1A0561 | ADDANKI PRIYANKA | 17 |
| 2 | 168B1A0562 | BONALA CHENCHULAKSHMI | 18 |
| 3 | 168B1A0563 | CHEEDELLA VENKATA KUMUDHA | 19 |
| 4 | 168B1A0564 | CHEVUTURI CHANDANA | 20 |
| 5 | 168B1A0565 | DARLA SONALIYA | 17 |
| 6 | 168B1A0566 | DIRISALA SAI MEGHANA | 17 |
| 7 | 168B1A0567 | DODDALA MANASA | 18 |
| 8 | 168B1A0568 | GONE LILLY GRACE | 19 |
| 9 | 168B1A0569 | IMMIDISETTY SUSHMITHA | 20 |
| 10 | 168B1A0570 | KALAVAKURI SUMATHI | 18 |
| 11 | 168B1A0571 | KARYAM SREETULASI | 18 |
| 12 | 168B1A0572 | KATTA SWAPNA | 16 |
| 13 | 168B1A0573 | KODAMALA ANUSHA | 17 |
| 14 | 168B1A0574 | KOTA LAKSHMI BHAVANI | 17 |
| 15 | 168B1A0575 | LINGAM NAGA YAMINI | 18 |
| 16 | 168B1A0576 | LINGAMGUNTA DIVYA | 17 |
| 17 | 168B1A0577 | MVN SAI DIVYA | 17 |
| 18 | 168B1A0578 | NANDIPATI ASRITHA LAKSHMI | 18 |
| 19 | 168B1A0579 | NANNURI JAHNSIRANI | 19 |
| 20 | 168B1A0580 | NARAYANA MOUNIKA | 19 |
| 21 | 168B1A0581 | NEELAM BHARATHI | 20 |
| 22 | 168B1A0582 | P S S N SUSMITHA | 17 |
| 23 | 168B1A0583 | PHARAY GANGA BHAVANI | 17 |
| 24 | 168B1A0584 | RAMPATHOTI CHENCHULAKSHMI | 18 |
| 25 | 168B1A0585 | RAVINUTHALA SASIMANI | 19 |
| 26 | 168B1A0586 | SHAIK MEHATAJ | 18 |
| 27 | 168B1A0587 | SINGAREDDY SWAPNA JYOTHI REDDY | 17 |
| 28 | 168B1A0588 | TAPPETA SANDHYA | 18 |
| 29 | 168B1A0589 | TEETLA NAGA JYOTHI | 17 |
| 30 | 168B1A0590 | TUNUGUNTLA SAI DURGA | 17 |
| 31 | 168B1A0591 | V DIVYA | 18 |
| 32 | 168B1A0592 | VAKA SAI KEERTHI | 18 |
| 33 | 168B1A0593 | VOLETI VENKATA SRIMOUNIKA | 19 |
| 34 | 168B1A0594 | ALLA GANESH CHOWDARY | 19 |
| 35 | 168B1A0595 | BAKKAMANTHULA ABHILASH | 20 |
| 36 | 168B1A0596 | CHIDIPOTHU SAI KUMAR | |
| 37 | 168B1A0597 | CHINTHALA VISHNU | |


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| S.NO | ROLL NUMBERS | NAME OF THE STUDENT | MARKS |
|------|--------------|-------------------------------------|-------|
| 38 | 168B1A05A0 | GOLLAPUDI SRI SAI SATEESH | 16 |
| 39 | 168B1A05A1 | KAMMLI GANESH | 19 |
| 40 | 168B1A05A2 | KANAMARLAPUDI NARENDRA | 19 |
| 41 | 168B1A05A3 | KANJULA MANIVARDHAN REDDY | 18 |
| 42 | 168B1A05A4 | KARU PRADEEP KUMAR | 18 |
| 43 | 168B1A05A6 | KOPPOLA RAMANJANEYULU | 19 |
| 44 | 168B1A05A7 | MALADI SASIDHAR | 18 |
| 45 | 168B1A05A8 | MANCHIKANTI ASHOK KUMAR REDDY | 19 |
| 46 | 168B1A05A9 | MANDAVA HARISH | 19 |
| 47 | 168B1A05B0 | MDARAMITLA GANESH | 17 |
| 48 | 168B1A05B1 | MUPPARAJU VENKATA RAJENDRA | 18 |
| 49 | 168B1A05B2 | NALLAPAREDDY VENKATA SRIKANTH REDDY | 17 |
| 50 | 168B1A05B3 | PUTTA NARESH | 18 |
| 51 | 168B1A05B4 | SAGILI THIRUPATHI REDDY | 18 |
| 52 | 168B1A05B5 | SHAIK AHAD | 19 |
| 53 | 168B1A05B6 | SOMISETTY SUDHAKAR BABU | 17 |
| 54 | 168B1A05B7 | TANNERU VASU | 18 |
| 55 | 168B1A05B8 | VEMURI VENKATA MANISH | 19 |
| 56 | 168B1A05B9 | VENNELAGANTI GOUTHAM | 20 |


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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 19th - 23th November 2018 in
RISE KRISHNA SAI GANDHI GROUP OF INSTITUTIONS

A handwritten signature in blue ink, appearing to be 'K. S. S. S.', is written over the printed name of the principal.

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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

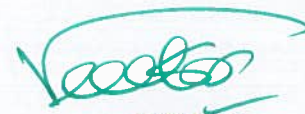
What is Machine Learning?

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



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Applications of Machine Learning

Automatic Language Translation

Email Spam and Malware Filtering

Medical Diagnosis

Self driving cars

Stock Market Trading

Product recommendation

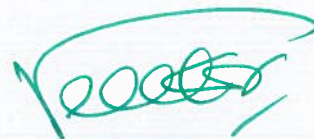
Online Fraud Detection

Traffic Prediction

Virtual Personal Assistant

Speech Recognition

Image Recognition



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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


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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)

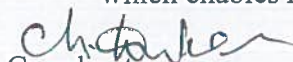
It is also one of the most popular machine learning algorithms that come as a subset of the Supervised Learning technique in machine learning.

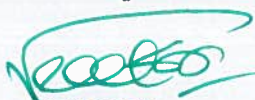
Naïve Bayes

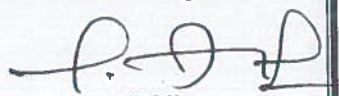
The naïve Bayes algorithm is one of the simplest and most effective machine learning algorithms that come under the supervised learning technique.

Difference between machine learning and Artificial Intelligence

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


Coordinator


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

Department of Computer Science and Engineering

Date: 23-11-2018.

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 19-11-2018 to 23-11-2018 from 09.00 am to 5.00 pm per day. The students of III CSE total 115 are participated in this programme. This Certificate Program head attended N. Narendra, Director, Application domains\Project Management, Vijayawada.

Main issues addressed:

1. Introduction: What to Expect from AI
2. Introduction: History of AI from 40s - 90s
3. Introduction: History of AI in the 90s
4. Introduction: History of AI in NASA & DARPA(2000s)
5. Introduction: The Present State of AI
6. Introduction: Definition of AI Dictionary Meaning
7. Introduction: Definition of AI Thinking VS Acting and Humanly VS Rationally

8. Introduction: Definition of AI Rational Agent View of AI
9. Introduction: Examples Tasks, Phases of AI & Course Plan
10. Uniform Search: Notion of a State
11. Informed Search: Best First Search
12. Local Search: Satisfaction Vs Optimization
13. Adversarial Search: Minimax Algorithm for two player games
14. Constraint Satisfaction Problems: Representation of the atomic state

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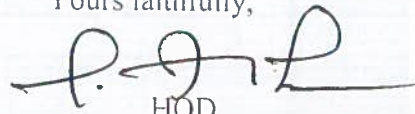
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15. Map coloring and other examples of CSP
16. Backtracking Search
17. Variable and Value Ordering in Backtracking Search
18. Inference for detecting failures early
19. Exploiting problem structure
20. Logic in AI: Different Knowledge Representation 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,


Faculty Coordiniator

Yours faithfully,

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