

Capacity Development and skills Enhancement Activity

AWARENESS OF TRENDS IN TECHNOLOGY

ARTIFICIAL INTELLIGENCE



RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE and Affiliated to Pondicherry University)

(Accredited with 'A' Grade by NAAC)

(Sponsored by Sri Balaji Educational and Charitable Public Trust)

Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry - 607 403.

04.02.2019

From

Mrs.J.Veerendeswari

Department of Information Technology

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

To

The Principal

Rajiv Gandhi College of Engineering and Technology

Kirumampakkam, Puducherry - 607 403.

THROUGH THE HEAD OF THE DEPARTMENT, DEPARTMENT OF IT

Respected Sir,

Subject: Request for Permission to Conduct Technology Trends Seminar for IT Students

A session on " Artificial Intelligence" focusing on " Awareness of Trends in Technology," is scheduled on February 8, 2019. This session is planned for second, third, and fourth-year IT students during the 2018-2019 even semester.

I kindly request your permission to conduct this program.

Thanking you,

Yours sincerely,

J. Veerendeswari

Mrs.J.Veerendeswari

Coordinator

*forwarded to the
Principal*

R. R. R.
Head of the Department
Department of Information Technology
Rajiv Gandhi College of Engineering and Technology
Pondy - Cuddalore Main Road, Kirumampakkam, Puducherry-607 403

answ
Dr. E. VIJAYAKRISHNA RAPAKA
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DEPARTMENT OF INFORMATION TECHNOLOGY

ACADEMIC YEAR 2018 - 2019

No: RGCET/IT/Circular/2018-19

05.02.2019

CIRCULAR

The seminar titled "Artificial Intelligence," focusing on "Awareness of Trends in Technology," is scheduled for February 8, 2019, and is intended for the benefit of second, third, and fourth-year students.

Students can take advantage of this opportunity to enhance their knowledge.


HOD / IT

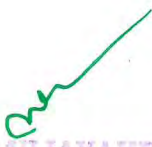
Copy to:

1. Circulate to all IT students
2. Notice board / file

Head of the Department
Department of Information Technology
Rajiv Gandhi College of Engineering and Technology
Pondy-Cuddalore Main Road, Kirumampakkam, Puducherry-607 403.

To be circulate:

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III year: Jayasri.R
IV year: Jegan.D


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RAJIV GANDHI COLLEGE OF ENGINEERING AND TECHNOLOGY

DEPARTMENT OF INFORMATION TECHNOLOGY
ORGANIZES

AWARENESS OF TRENDS IN TECHNOLOGY ON

Artificial Intelligence

DATE : 08-02-2019

TIME : 11:00 AM TO 1.00 PM

RESOURCE PERSON

MR.KARTHIK,CTS

DR.E.VIJAYAKRISHNA RAPAKA

PRINCIPAL

RG CET

DR.K.AYYAPPAN

VICE PRINCIPAL

RG CET

MR.R.VINOTH KUMAR

HOD/IT

RG CET

CO-ORDINATOR
Mrs.J.Veerendeswari



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DEPARTMENT OF INFORMATION TECHNOLOGY SYLLABUS

Syllabus for Artificial Intelligence Seminar:

1. Introduction to Artificial Intelligence

- Overview of AI: Definition and key concepts
- Types of AI: Narrow AI vs. General AI
- Setting the foundation for advanced discussions

2. Core Concepts and Foundations

- Introduction to linear algebra, probability, and statistics
- Essential mathematical tools for AI algorithm development

3. Programming and Tools for AI

- Basics of Python programming
- Introduction to AI libraries: TensorFlow, Keras, PyTorch
- Practical examples of AI applications using these tools

4. Machine Learning in AI

- Overview of machine learning algorithms
- Supervised vs. unsupervised learning techniques
- Application of these methods in solving AI problems

5. Natural Language Processing (NLP)

- Introduction to NLP techniques
- Applications in understanding and generating human language

6. Computer Vision

- How AI interprets and analyzes visual information
- Key topics: Image recognition, object detection

7. Model Evaluation and Optimization

- Methods for evaluating and optimizing AI models
- Techniques for model validation and hyperparameter tuning
- Strategies to enhance model performance

8. Discussion and Q&A

- Open floor for questions and discussions
- Opportunity for participants to share thoughts and delve deeper into seminar topics

Co-Ordinator

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Head of the Department

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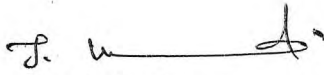
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DEPARTMENT OF INFORMATION TECHNOLOGY SCHEDULE

Course Name	ARTIFICIAL INTELLIGENCE
Resource Person (s)	Mr. KARTHIK, CTS
Duration	08.02.2019 (11.00AM-1.00PM)
Course Offered to	Year: II/III/IV

Schedule for Seminar in "Artificial Intelligence":

Session	Topic	Time
Session 1	Introduction to Artificial Intelligence	11:00 AM - 11:15 AM
Session 2	Core Concepts and Foundations	11:15 AM - 11:30 AM
Session 3	Programming and Tools for AI	11:30 AM - 11:45 AM
Break		11:45 AM - 11:50 AM
Session 4	Machine Learning in AI	11:50 AM - 12:10 PM
Session 5	Natural Language Processing (NLP)	12:10 PM - 12:25 PM
Session 6	Computer Vision	12:25 PM - 12:40 PM
Session 7	Model Evaluation and Optimization	12:40 PM - 12:55 PM
Session 8	Discussion and Q&A	12:55 PM - 1:00 PM


Co-Ordinator


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Head of the Department

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Seminar Report on Artificial Intelligence

Seminar Date:08.02.2019

Introduction

We recently held a seminar on "Introduction to Artificial Intelligence," which aimed to provide a thorough understanding of AI. The event was designed to blend both theory and hands-on experience to better prepare participants for future careers in this exciting field.

What We Covered

The seminar was structured to cover a range of important topics:

1. Introduction to Artificial Intelligence

We began with an engaging introduction to AI, defining key concepts and exploring different types of AI, such as narrow and general AI. This session provided a solid foundation, setting the stage for deeper discussions throughout the day.

2. Core Concepts and Foundations

Next, we delved into the core concepts and mathematical foundations of AI. Participants gained insights into linear algebra, probability, and statistics—essential tools for understanding and developing AI algorithms.

3. Programming and Tools for AI

In this session, we covered the basics of Python and introduced essential AI libraries like TensorFlow, Keras, and PyTorch. Practical examples demonstrated how these tools are utilized in real-world AI applications.

4. Break

A short break allowed participants to refresh and prepare for the next set of sessions.

5. Machine Learning in AI

We explored machine learning algorithms, including supervised and unsupervised learning techniques. This session highlighted how these methods are applied to solve various problems in AI.

6. Natural Language Processing(NLP)

The focus then shifted to Natural Language Processing (NLP). Participants learned about NLP techniques and their applications in understanding and generating human language.

7. Computer Vision

In the computer vision session, we discussed how AI systems interpret and analyze visual information. Key topics included image recognition and object detection.

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8. Model Evaluation and Optimization

We covered the methods for evaluating and optimizing AI models. This included techniques for model validation, hyperparameter tuning, and strategies to improve model performance.

9. Discussion and Q&A

The seminar concluded with a discussion and Q&A session. Participants had the opportunity to ask questions, share their thoughts, and discuss the day's topics in more detail.

Co-Ordinator

Head of the Department

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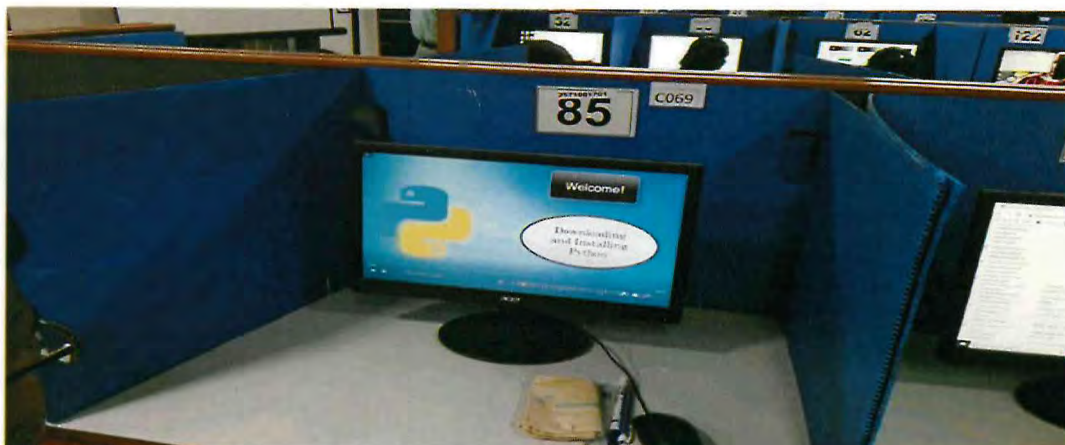
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PHOTOGRAPHS FOR SEMINAR IN ARTIFICIAL INTELLIGENCE



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LIST OF ENROLLED STUDENTS

Name of the Program : Artificial Intelligence

Date : 08.02.2019

S.no	Reg.no	Name of the Student	Year
1	16TH0418	MARAN R	II
2	17TD0477	VENKATESHWARAN R	II
3	17TH0401	AKASH S	II
4	17TH0402	ALEXANDER S	II
5	17TH0403	ARCHANA S	II
6	17TH0404	ARTHI KT	II
7	17TH0405	BALAJI R	II
8	17TH0406	BUDDHI PRASATH SHARMA P	II
9	17TH0407	DHIVYA DHARSHINI B	II
10	17TH0408	JEROLD A	II
11	17TH0409	KAMALI B	II
12	17TH0410	KAMALI S	II
13	17TH0411	KANMANI T	II
14	17TH0412	KARTHIK B	II
15	17TH0414	NANDHINI M	II
16	17TH0415	NATARAJAN A	II
17	17TH0416	NIRMALADEVI G	II
18	17TH0417	PRAVEEN P	II
19	17TH0418	PRAVEENA V	II
20	17TH0419	RAMYA H	II
21	17TH0420	RAVITHA V	II

[Signature]
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22	17TH0423	SWETHA V	II
23	17TH0424	SYED JUNAIDH AHAMED A	II
24	17TH0425	TAMIL PONNI R	II
25	17TH0426	THIRUMARAN N	II
26	17TH0427	VENKATRAMAN P	II
27	17TH0428	VIGNESH K	II
28	17TH0429	VIGNESHWARAN D	II
29	17TH0430	VISHNU V	II
30	17TH0431	VIVEK V	II
31	16TC0503	AKSHAYA M	III
32	16TD0458	SADEESHKUMAR V	III
33	16TH0321	SARAVANAN V	III
34	16TH0401	ABARNA S	III
35	16TH0402	ANANYAA V	III
36	16TH0404	BALAKRISHNAN M	III
37	16TH0405	BHARATHI S	III
38	16TH0406	CATHERINE VIRASSE A	III
39	16TH0408	GLORIA SHARMILA M	III
40	16TH0409	HABIBA SAGRIN KM	III
41	16TH0410	HARIGARAN S	III
42	16TH0412	JAYASRI R	III
43	16TH0413	KIRUTHIGA T	III
44	16TH0414	KOWSALYA K	III
45	16TH0415	KUPPUSAMY S	III
46	16TH0416	LOBAMUTHRA S	III

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47	16TH0417	MAGESWARI N	III
48	16TH0419	MUKTHAIR BASHA S	III
49	16TH0420	NAWAB SHERIF K	III
50	16TH0421	NIVETHA JAYAKUMARI G	III
51	16TH0422	NIVETHITHA S	III
52	16TH0423	PRAVEENKUMAR S	III
53	16TH0424	PREETHA V	III
54	16TH0425	PUSHPARAJ R	III
55	16TH0426	RAJA V	III
56	16TH0427	SAJITH MS	III
57	16TH0428	SHYMALASREE A	III
58	16TH0429	SYED AFRIDHA SUHAINA M	III
59	16TH0430	VISHVA MARK G	III
60	16TH0431	YUGAPRIYANGA P	III
61	16THL001	JEGAN D	III
62	15TB0467	SURYA .M	IV
63	15TD0489	VENKATESH. M	IV
64	15TH0401	AGILA .B	IV
65	15TH0402	ANSARI DURAI SAMY D	IV
66	15TH0405	ASHVITHA .S	IV
67	15TH0406	AUGISTIN PAUL M	IV
68	15TH0408	DHIVYA BHARATHI	IV
69	15TH0409	DINESH ANTE .S	IV
70	15TH0410	HARIHARAN .L	IV
71	15TH0412	JANANI .J	IV

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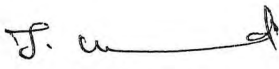
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72	15TH0413	KAYALVIZHI .K	IV
73	15TH0414	KIRAN .R	IV
74	15TH0415	LEKHA .A	IV
75	15TH0417	PRADEEPA S	IV
76	15TH0419	RAGULRAJ M	IV
77	15TH0420	RAM PRAGESH . P	IV
78	15TH0421	RAPHAELA JOSEPHINE.A	IV
79	15TH0422	ROFINA BEGUM B	IV
80	15TH0423	ROHAN .P	IV
81	15TH0424	SANGEETHA .M	IV
82	15TH0425	SANTHIYA S	IV
83	15TH0426	SIVA BALA SUBRAMANIAM .K	IV
84	15TH0427	SRIRAMAN .M	IV
85	15TH0428	SRUTHI .K	IV
86	15TH0429	SURIYA N	IV
87	15TH0430	UMA B	IV
88	15TH0431	UMA .V	IV
89	15TH0432	YOGESH . S	IV
90	15THL004	MADHURIMA DEBNATH	IV
91	15THL005	MADHURIMA PAL	IV


Co-Ordinator


Head of the Department


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