

**Report**  
**On**  
**Foundational course**  
**"Artificial Intelligence and Machine Learning"**  
**As a part of**  
**Emerging Technology course**  
**Under**  
**Engineering for sustainable development program**

**26/02/2021 to 19/03/2021**

**Organized by**  
**Artificial Intelligence Club, Computer Science and Engineering Department**

**In association with**

**H&S Department**

**at**

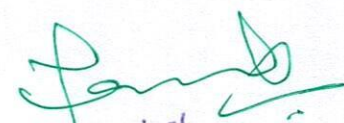
**KG Reddy College of Engineering & Technology**

**Submitted by**

**Sowjanya Ramisetty**  
**Associate professor**  
**Department of Computer Science and Engineering**

  
**Head of the Department**

**Head of the Department**  
**Humanities & Science**  
**K.G. Reddy College of Engg. & Tech.**  
**Chilkur, Moinabad, R.R. Dist. T.S.**

  
**Principal**  
**KG Reddy College of Engineering & Technology**  
**Chilkur (V) Moinabad (M).**  
**R. R. Dist**

## **Four-Week Content Delivery Description**

### **Week-1 : Introduction to AI & Types of Machine Learning**

First Session taken by Ms Sowjanya Ramisetty, Associate Professor ,CSE Department-Introduction to Artificial Intelligence and discussed history of AI, Applications of AI and Goals of AI. In Next Session, Speaker has explained different types of Machine Learning with an examples. Students are Interacted actively in both sessions.

### **Week – 2: Dataset preparation and preprocessing, Dataset Splitting, Modeling & Model deployment**

First Session taken by Mr.Umashanker ,Associate Professor ,H&S Department-Discussed about Dataset Preparation and preprocessing to students .He explained with Real time Examples then the elaborated session has happened with interactive session in between including activities, random questioning and Students are Interacted actively in session.

Next session, MsV Deepika ,Assistant Professor,ECE Department-Explained about Dataset Splitting then Modeling & Model Deployment session was taken by Ms Sowjanya Ramisetty,Associate Professor ,CSE Department. She has given inputs on how to practically import the datasets and deploy efficiently. She also explained how applications are available in the market.

### **Week – 3: Hands-on Session(Google Colab / Jupyter Notebook)**

First Session, Ms Sowjanya Ramisetty,Associate Professor,CSE Department has given Introduction about Python Programming on Jupyter Notebook as well as Google Colab . Later on, Students went to lab and installed Softwares then executed programs on Jupyter Notebook.

Students are Participated actively in the Practical Session then Speaker has divided students as 6 groups and given topics related to supervised machine Learning to students .

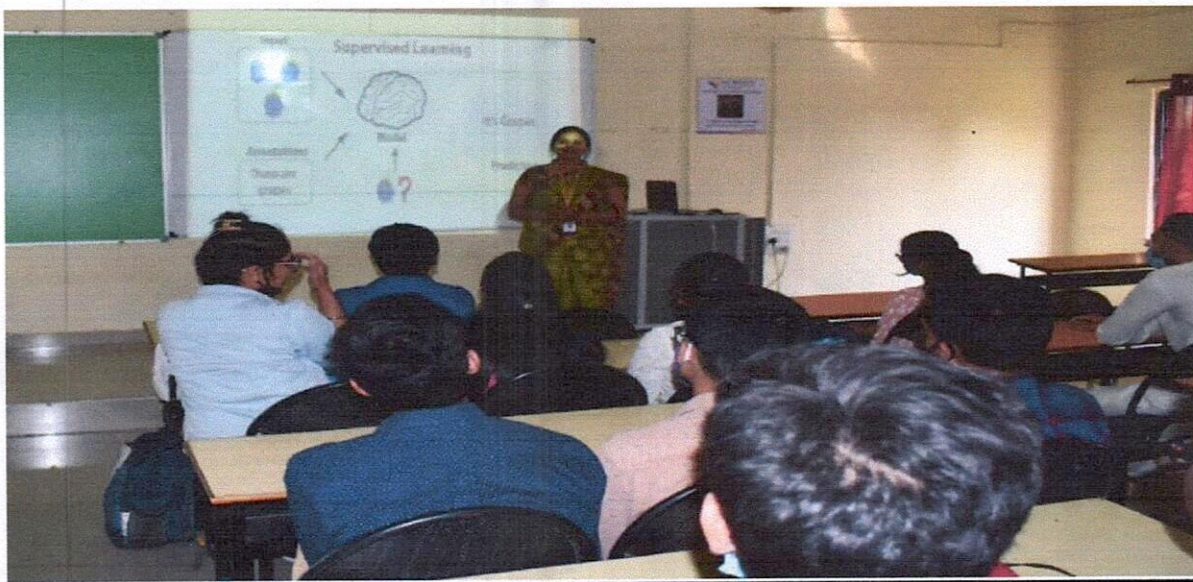
### **Week 4: Power-Point Presentation /Poster Presentation**

Students have given Presentation on selected topics and explained clearly about dataset attributes and also discussed step by step process on how we can predict values by using KNN Algorithm. Students are very actively participated in the Session.



## **Photographs:**

### **Week 1 :**



**Explaining different types of Machine Learning by Ms Sowjanya Ramisetty, Associate Professor, CSE Department.**

### **Week 2 :**



**Discussed about Dataset preparation and preprocessing by Mr. Umashanker, Associate Professor, H&S Department.**





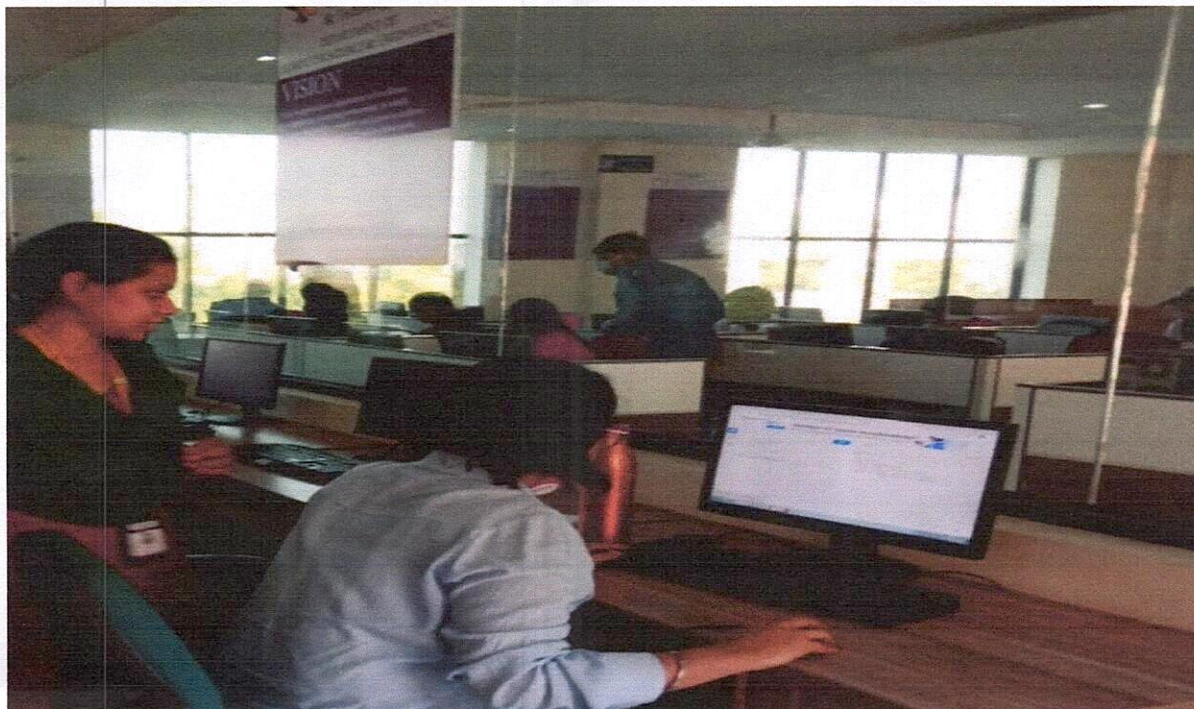
**Explained Dataset Splitting by Ms V.Deepthi, Assistant Professor, ECE Department.**



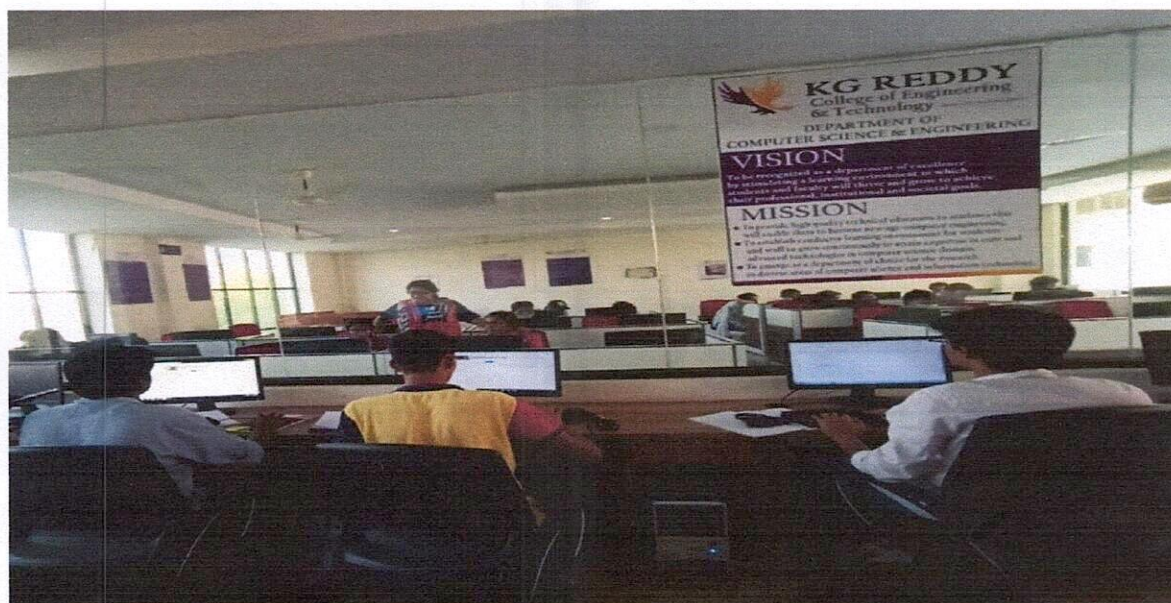
**Described Model deployment by Ms Sowjanya Ramisetty, Associate Professor, CSE Department.**



**Week-3 :**



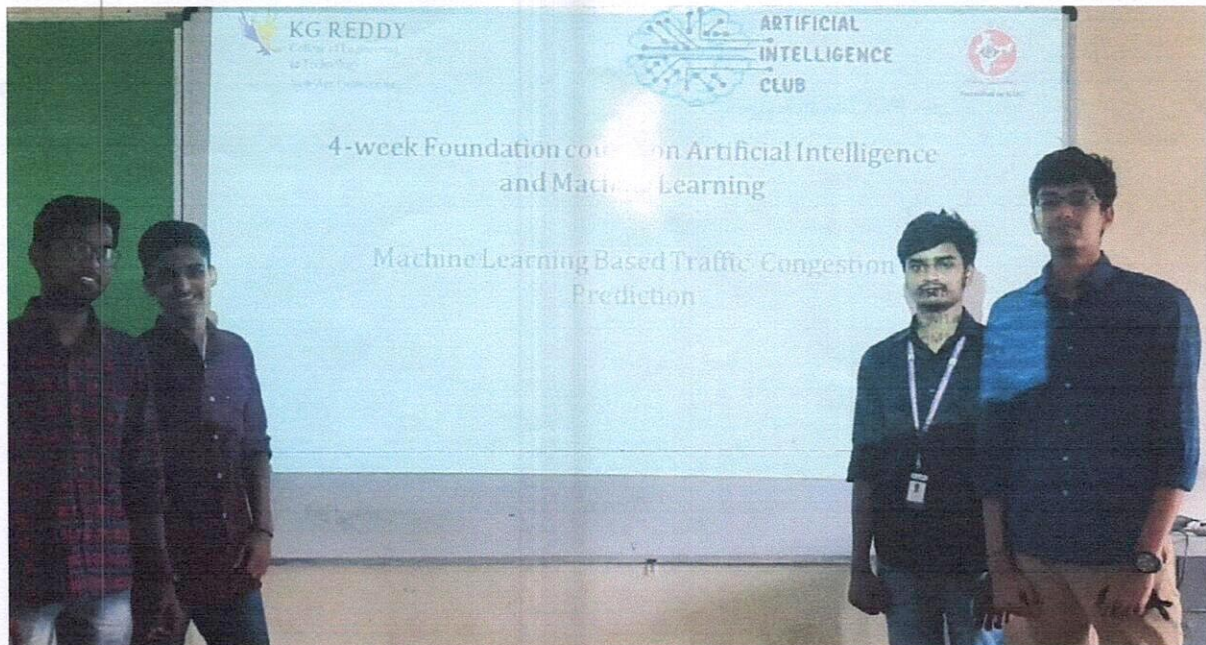
**Instructions given by Ms Sowjanya Ramisetty, Associate Professor, CSE Department.**



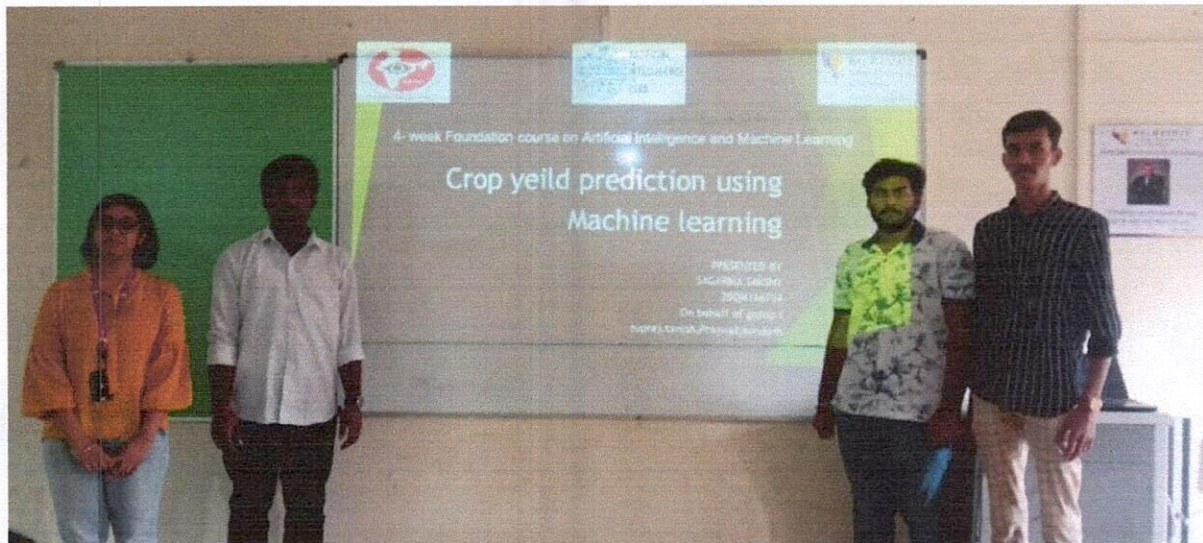
**Hands-on Python Programming session to Students**



**Week 4:**



**Case Study on Machine learning based Traffic Congestion prediction explanation given by Students**



**Case Study on Crop yield Prediction using Machine Learning - explanation given by Students**



## **Objectives and Outcome of the foundational Course in AI and ML.**

### **Objectives:**

- To introduce students to the basic concepts and techniques of Artificial Intelligence and Machine Learning.
- To develop skills for solving practical problems.

### **Outcome:**

Students will be able to

- Define Artificial Intelligence
- Distinguish types of Machine Learning with an example.
- Describe Dataset Preparation and Pre-Processing.
- Implement Machine Learning Project in python

## **Course introduction**

**Course Name: Foundational Course in AI and ML**

**Course duration: 4 – weeks**

**Total Number of Students-30**

**Organizing Department:** Institutions Innovation Council

**Collaborations:** H & S dept., Center for Innovation and Social Transformation

**Course offered by –** Artificial Intelligence club, Computer Science and Engineering Department

**Venue:** B-306, KG Reddy College of Engineering and Technology, Hyderabad

**Speakers:** Ms Sowjanya Ramisetty, Associate Professor, Dept. of CSE, KGRH

Mr Umashanker, Associate Professor, Dept, of H&S, KGRH

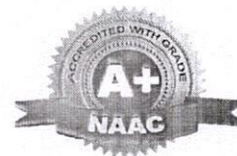
Ms Deepthi V, Assistant Professor, Dept. of ECE, KGRH.





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& Technology

**KG Reddy College of Engineering & Technology**  
(Approved by AICTE, New Delhi, Affiliated to JNTUH, Hyderabad)  
Chilkur (Village), Moinabad (Mandal), R. R Dist. TS-501504



Circular No: HS/CIRCULAR/2020-21/08-2

Date: 22-02.2021

CIRCULAR

It is to inform I. B.Tech. students that the Department of Humanities & Sciences in association with Engineering Sustainable Design, Centre for Innovation & Social Transformation & Computer Science Engineering, KGR CET is Organizing a Four-Week Foundation Course on Artificial Intelligence Club on the Title "Four-Week Foundation Course on Data Analytics " from 26<sup>th</sup> February to 19<sup>th</sup> March 2021. The coordinator for the course is Ms. Sowjanya Ramisetty, Associate Professor from the department of Computer Science Engineering, KGR CET.

Therefore, all the students who have opted for this course are informed to attend regularly. The venue for the same is B-309. Timings are from 1:40 pm to 4:00 pm every Friday.

  
HOD H&S

Head of the Department  
Humanities & Science  
K.G. Reddy College of Engg. & Tech.  
Chilkur, Moinabad, R.R. Dist. T.S.  
Copy to:


Director

All the Heads

Heads of R&D, CEFD, SWD, Accreditation, Placements, Examination Branch

Student council Members

Administrative office

  
Principal  
KG Reddy College of Engineering & Technology  
Chilkur (V) Moinabad (M).  
R. R. Dist



## **4-WEEK FOUNDATION COURSE IN**

# **ARTIFICIAL INTELLIGENCE & MACHINE LEARNING**

**Organized by**

Institutions Innovation Council

**In association with**

Department of Humanities and Sciences,  
Center for Innovation and Social  
Transformation



**Mrs. SOWJANYA RAMISETTY**

ASSOCIATE PROFESSOR,  
CSE DEPARTMENT.



**KG REDDY**

College of Engineering  
& Technology

New Age Engineering

**26<sup>th</sup> February  
2021  
10:00 AM**



Attendance Sheet

Date: 19-03-2021

S.No	Roll Number	Name of the Student	Signature
1	20QM1A0113	Patlolla Maheshwar Reddy	
2	20QM1A0412	J Rani Sowmya	Sowmya
3	20QM1A0422	Meer Muqeth Ali	Muqeth
4	20QM1A0513	Banoth Bhaskar	Bhaskar
5	20QM1A0518	Rama Krishna Biradar	Rama Krishna
6	20QM1A0532	E. Vamshi	Vamshi
7	20QM1A0535	Ibrahim Bin Hassan	Ibrahim
8	20QM1A0536	J Karthik	
9	20QM1A0541	Rohit Kumar	
10	20QM1A0543	Kambala Bramha Vasavi	Bramha
11	20QM1A0557	Mohd Abdul Mujeeb	Mujeeb
12	20QM1A0564	Nithin	Nithin
13	20QM1A0567	P Govardhan Reddy	P Govardhan
14	20QM1A0579	Reshmi Kumari	
15	20QM1A0582	S.Sai Akanksha	
16	20QM1A0583	G Saikumar	
17	20QM1A0584	Sana Fatima	Sana Fatima
18	20QM1A0587	Sriram	Sriram
19	20QM1A0589	Suradi Aniketh	
20	20QM1A0595	Tanneeru Kondaiah	Tanneeru
21	20QM1A05A6	Yella Nookaraju	Y. Nookaraju
22	20QM1A05A9	Shivaghoni Kiran goud	Shivaghoni
23	20QM1A6611	C Prajwal	Prajwal
24	20QM1A6613	D Sethu Shali Vahan	
25	20QM1A6615	Duggirala Supraj	
26	20QM1A6616	G Yuvraj Singh	Yuvraj
27	20QM1A6619	G.Harshith	Harshith
28	20QM1A6625	K.Praveen Vardhan Raju	Praveen
29	20QM1A6628	Manikyala Tanuj	Tanuj
30	20QM1A6630	Md Shahnawaz Alam	Shahnawaz
31	20QM1A6637	Thanusha	Thanusha
32	20QM1A6641	Pyla Hymavathi	Hymavathi
33	20QM1A6645	Tanzeem Mallick	Tanzeem Mallick
34	20QM1A6646	T. Tanish Singh	T. Tanish
35	20QM1A6705	Balla Manisha	B. Manisha
36	20QM1A6734	Sagarika Sakshy A Rao	Sagarika

V



Date: 26-02-2021

**Attendance Sheet**

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1	20QM1A0113	Patlolla Maheshwar Reddy	P. Mahesh
2	20QM1A0412	J Rani Sowmya	Sowmya
3	20QM1A0422	Meer Muqeth Ali	
4	20QM1A0513	Banoth Bhaskar	B. Bhaskar
5	20QM1A0518	Rama Krishna Biradar	R. Krishna
6	20QM1A0532	E. Vamshi	
7	20QM1A0535	Ibrahim Bin Hassan	Ibrahim
8	20QM1A0543	Kambala Bramha Vasavi	B. Vasavi
9	20QM1A0557	Mohd Abdul Mujeeb	M. Mujeeb
10	20QM1A0564	Nithin	Nithin
11	20QM1A0567	P Govardhan Reddy	P. Govardhan Reddy
12	20QM1A0582	S.Sai Akanksha	
13	20QM1A0584	Sana Fatima	
14	20QM1A0587	Sriram	Sriram
15	20QM1A0589	Suradi Aniketh	Suradi
16	20QM1A05A6	Yella Nookaraju	Y. Nookaraju
17	20QM1A6611	C Prajwal	
18	20QM1A6613	D Sethu Shali Vahan	D. Sethu Shali Vahan
19	20QM1A6615	Duggirala Supraj	D. Supraj
20	20QM1A6616	G Yuvraj Singh	G. Yuvraj Singh
21	20QM1A6619	G. Harshith	G. Harshith
22	20QM1A6625	K. Praveen Vardhan Raju	K. Praveen
23	20QM1A6628	Manikyala Tanuj	M. Tanuj
24	20QM1A6630	Md Shahnawaz Alam	
25	20QM1A6637	Thanusha	
26	20QM1A6641	Pyla Hymavathi	
27	20QM1A6645	Tanzeem Mallick	
28	20QM1A6646	T. Tanish Singh	T. Tanish
29	20QM1A6705	Balla Manisha	B. Manisha
30	20QM1A6734	Sagarika Sakshy A Rao	S. Sakshy A Rao
	20QM1A0595	T. Anvesh Kondurath	T. Anvesh

20QM1A0536 J. Karthika

20QM1A0583 G. Sai Kumar

20QM1A05A9 Shiva Goni Kirangoud

K. Anvesh

G. Sai Kumar

S. Kirangoud



Attendance Sheet

Date: 05-03-2021

S.No	Roll Number	Name of the Student	Signature
1	20QM1A0113	Patlolla Maheshwar Reddy	
2	20QM1A0412	J Rani Sowmya	Surya
3	20QM1A0422	Meer Muqeth Ali	
4	20QM1A0513	Banoth Bhaskar	Bhaskar
5	20QM1A0518	Rama Krishna Biradar	Rama Krishna
6	20QM1A0532	E. Vamshi	F. Vamshi
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8	20QM1A0536	J Karthik	Karthik
9	20QM1A0543	Kambala Bramha Vasavi	Mammi
10	20QM1A0557	Mohd Abdul Mujeeb	Mujeeb
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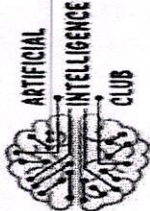
Date: 12-03-2021

S.No	Roll Number	Name of the Student	Signature
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37	20QM1A0579	Reshmi Kumari	Reshmi Kumari





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Moinabad , Hyderabad-500075, Telangana, India



## CERTIFICATE OF PARTICIPATION

This is to certify that .....Sana..... of .....CSE..... has  
attended "A FOUR-WEEK FOUNDATION COURSE ON AI & ML" at KGR CET organized by AI Club ,  
Department of CSE in Association with H&S Department held from 26<sup>th</sup> February 2021 to 19<sup>th</sup> March  
2021.

CO-ORDINATOR

Ms Sowjanya R

H&S, HoD

Mr. Umashanker

CSE, HoD

Dr. L. V. Reddy

HEAD

DEPT. OF COMPUTER SCIENCE & ENGINEERING  
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY  
CHILKUR (V), MOINABAD, R.R. DIST. 501 504.

PRINCIPAL

Dr. R. S. Jahagirdar

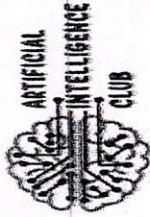
PRINCIPAL

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R.R. Dist. Telangana.





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Moinabad , Hyderabad-500075, Telangana, India



## CERTIFICATE OF PARTICIPATION

This is to certify that .....Tanzeem.....Mallik..... of .....CSM..... has  
attended "A FOUR-WEEK FOUNDATION COURSE ON AI & ML" at KGR CET organized by AI Club ,  
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H&S, HoD  
Mr. Umashanker

CSE, HoD  
Dr. L. V. Reddy  
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DEPT. OF COMPUTER SCIENCE & ENGINEERING  
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY  
CHILKUR (V), MOINABAD, R.R. DIST:501 504.

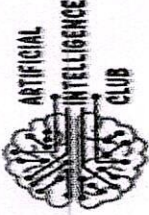
PRINCIPAL  
Dr. R.S.Jahagirdar  
PRINCIPAL

KG Reddy College of Engineering & Technology  
Chilkur (V), Moinabad (M),  
R.R. Dist. Telangana.






KG Reddy College of Engineering and Technology  
Moinabad , Hyderabad-500075, Telangana, India




## CERTIFICATE OF PARTICIPATION


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CO-ORDINATOR  
Ms Sowjanya R

  
H&S, HoD  
Mr. Umashanker

  
CSE, HoD  
Dr. L. V. Reddy  
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DEPT. OF COMPUTER SCIENCE & ENGINEERING  
K.G. REDDY COLLEGE OF ENGINEERING & TECHNOLOGY  
CHILKUR (V), MOINABAD, R.R. DIST. 501 504.

  
PRINCIPAL  
Dr. R.S. Jahagirdar  
PRINCIPAL  
KG Reddy College of Engineering & Technology  
Chilkur (V), Moinabad (M),  
R.R. Dist. Telangana.





## Assessment

Questions

Responses

6

Total points: 1

# 6 responses



Accepting responses



Summary

Question

Individual



## Insights

Average

0 / 1 points

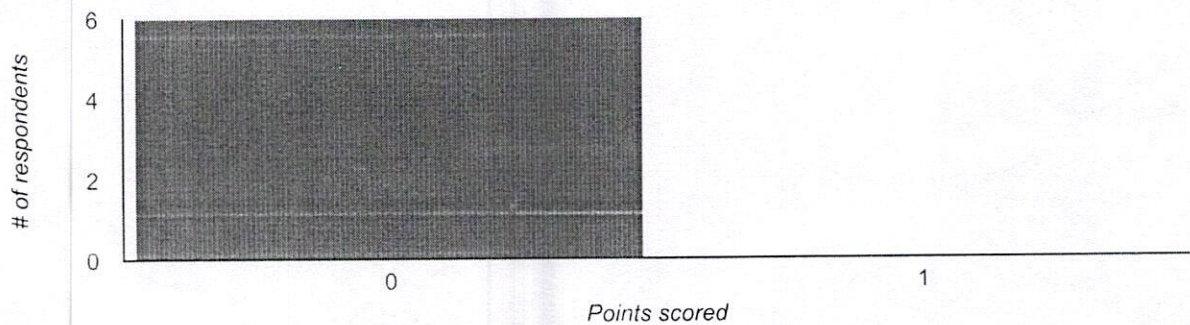
Median

0 / 1 points

Range

0 - 0 points

Total points distribution





## Name of The Student

6 responses

G Yuvraj Singh

Sana fatima

Meer Muqeth Ali

T. Tanish singh

Koppisetty Praveen Vardhan Raju

Pasam thanusha

## HT Number

6 responses

20QM1A6616

20QM1A0584

20QM1A0422

20QM1A6646

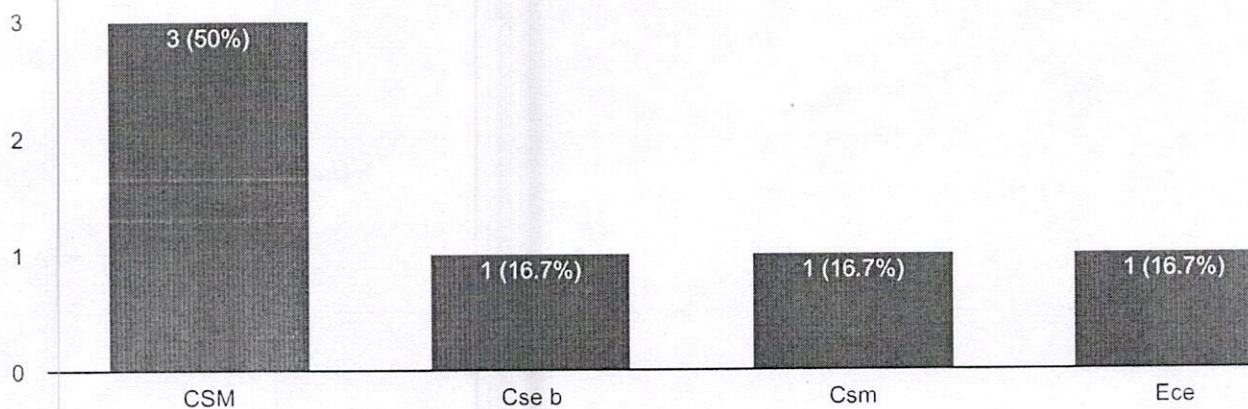
20QM1A6625

20QM1A6637



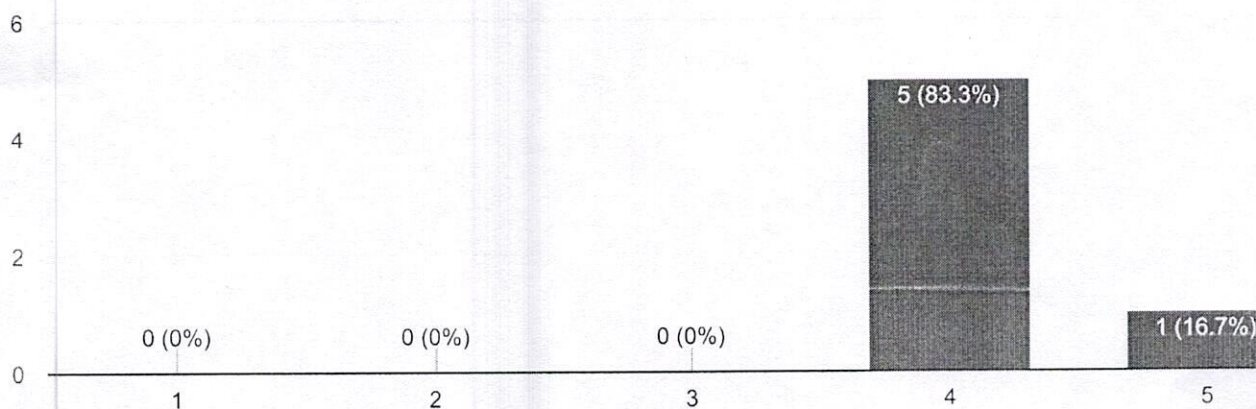
## Branch

6 responses



1.The speaker had a good understanding of the topics.

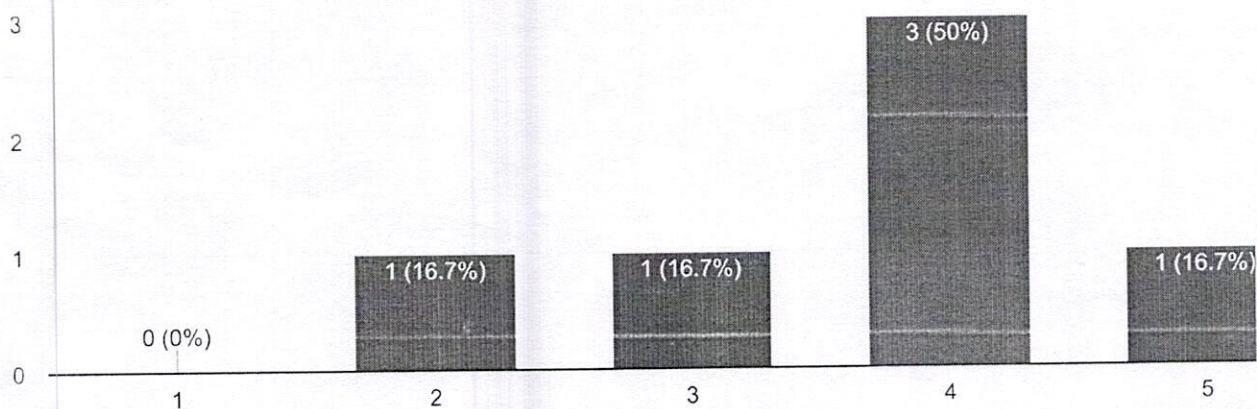
6 responses





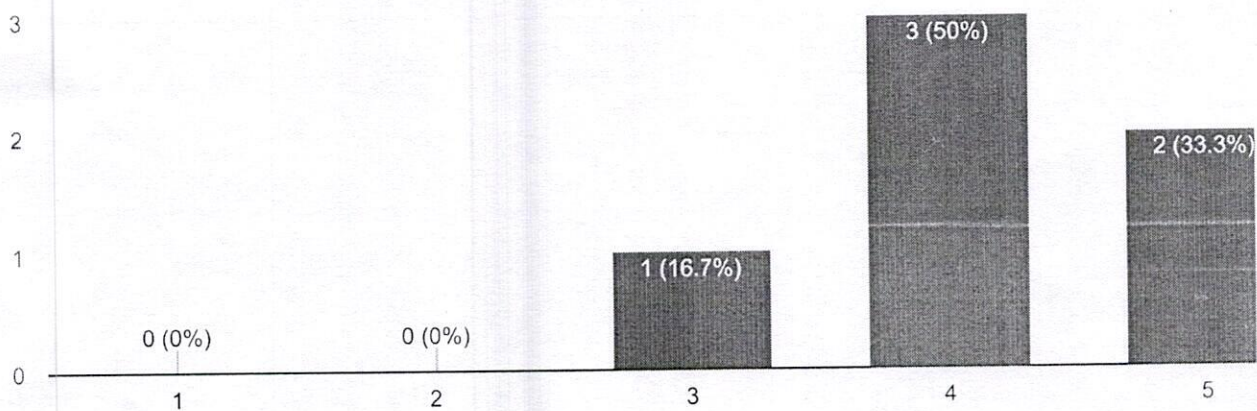
2. How much this session was useful from the knowledge and information point of view

6 responses



3.The Speaker used Good Examples in the Lecture

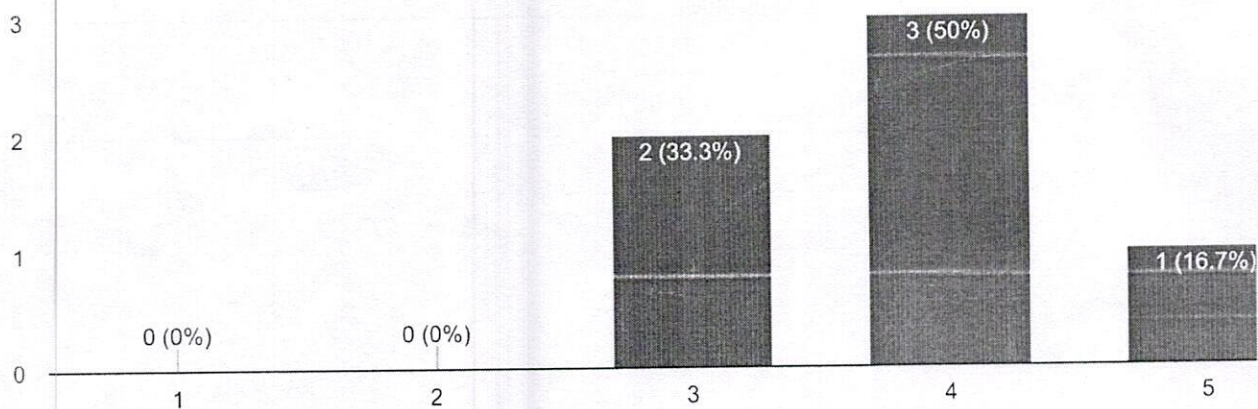
6 responses





4. How was the overall organization of the lecture?

6 responses



5. The Speaker encouraged participation in session.

6 responses

