

**G. Narayanamma Institute of Technology and Science**  
(AUTONOMOUS) (For Women)

**Department of CSE**

Date: 28/2/2020

**CIRCULAR**

This is to inform you that **INSOFE BOLD Module2** program is going to be conducted from 29/2/2020 to 28/03/2020 on every Saturday. The list of registered students, schedule and the details of the program are enclosed for your information and kindly request to circulate among the concerned students.

**Venue:** CC-5, II Floor, F-Block

**Timings:** 9:30 AM to 4:00 PM

**Faculty Coordinators**

1. Mrs. K.Sindhura, Asst.Professor, CSE, 9866601013
2. Mr. T.Rajesh, Asst.Professor, CSE, 9494254625

*M. S. S. S.*  
HOD CSE 28/2/2020

*[Signature]*  
PRINCIPAL  
28/2/2020

**Copy to:**

1. Head of Department, CSE
2. Head of Department, ECE
3. Head of Department, EEE
4. Head of Department, ETM
5. Head of Department, IT

## INSOFE's BOLD Level-2 Classroom sessions



**Gopinadh Lakkoju**

to Principal, Dr, Seetha, ecehod, me, etmhod

Respected Principal and HOD's,

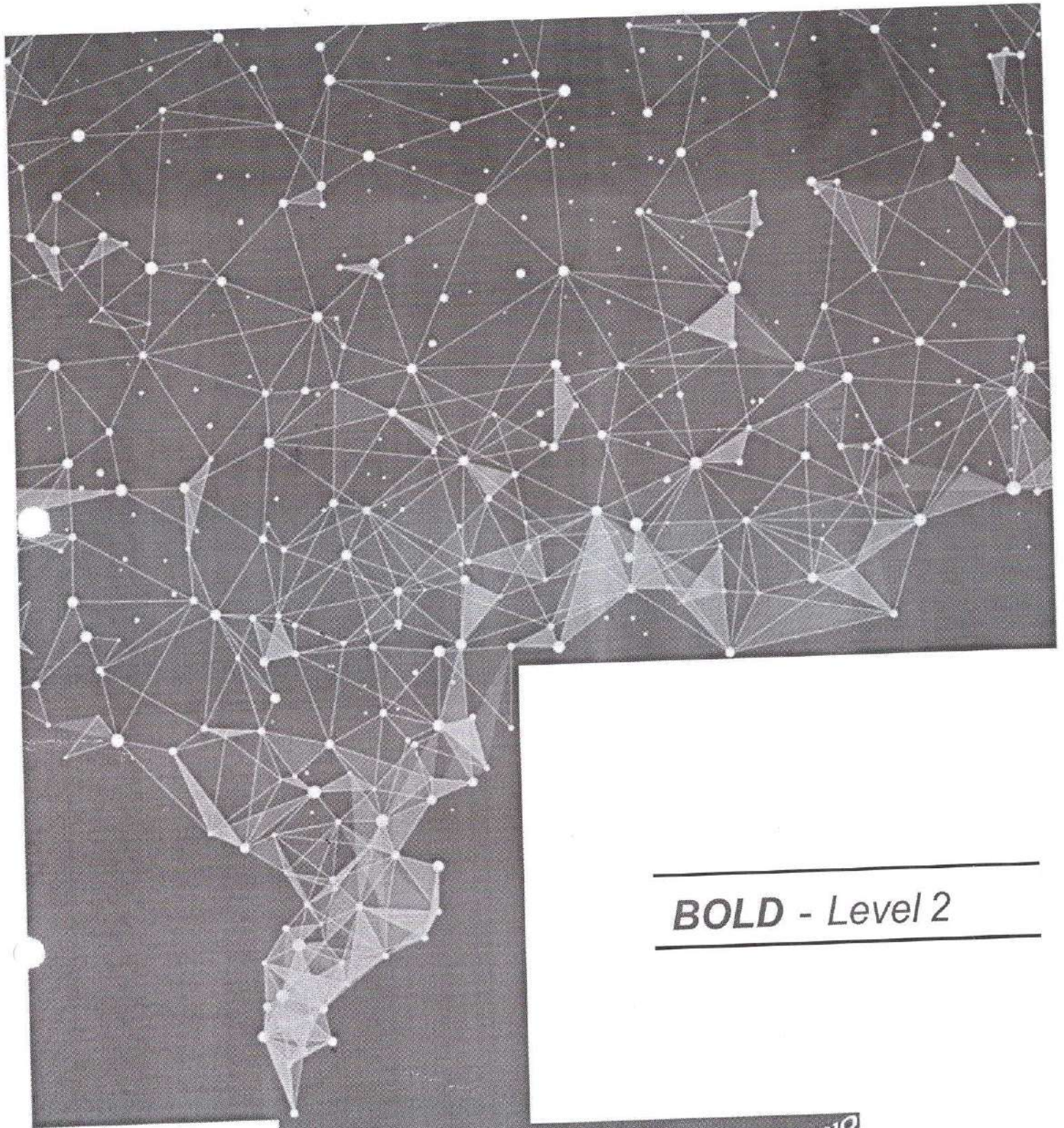
As discussed, we have already released the **E-learning module** and enrolled stu with [@sindhura kona](#) (SPOC), we shall roll out In-person/Class room sessions on

S.No.	Date	Session
1	16/02/20	E-Learning
2	29/02/20	Classroom Session1
3	07/03/20	Classroom Session2
4	14/03/20	Classroom Session3
5	21/03/20	Classroom Session4
6	28/03/20	Classroom Session5
7	04/04/20	(Backup day)



[@sindhura kona](#) : Please confirm the dates immediately and confirm the venue a

No H

Regards



**BOLD - Level 2**

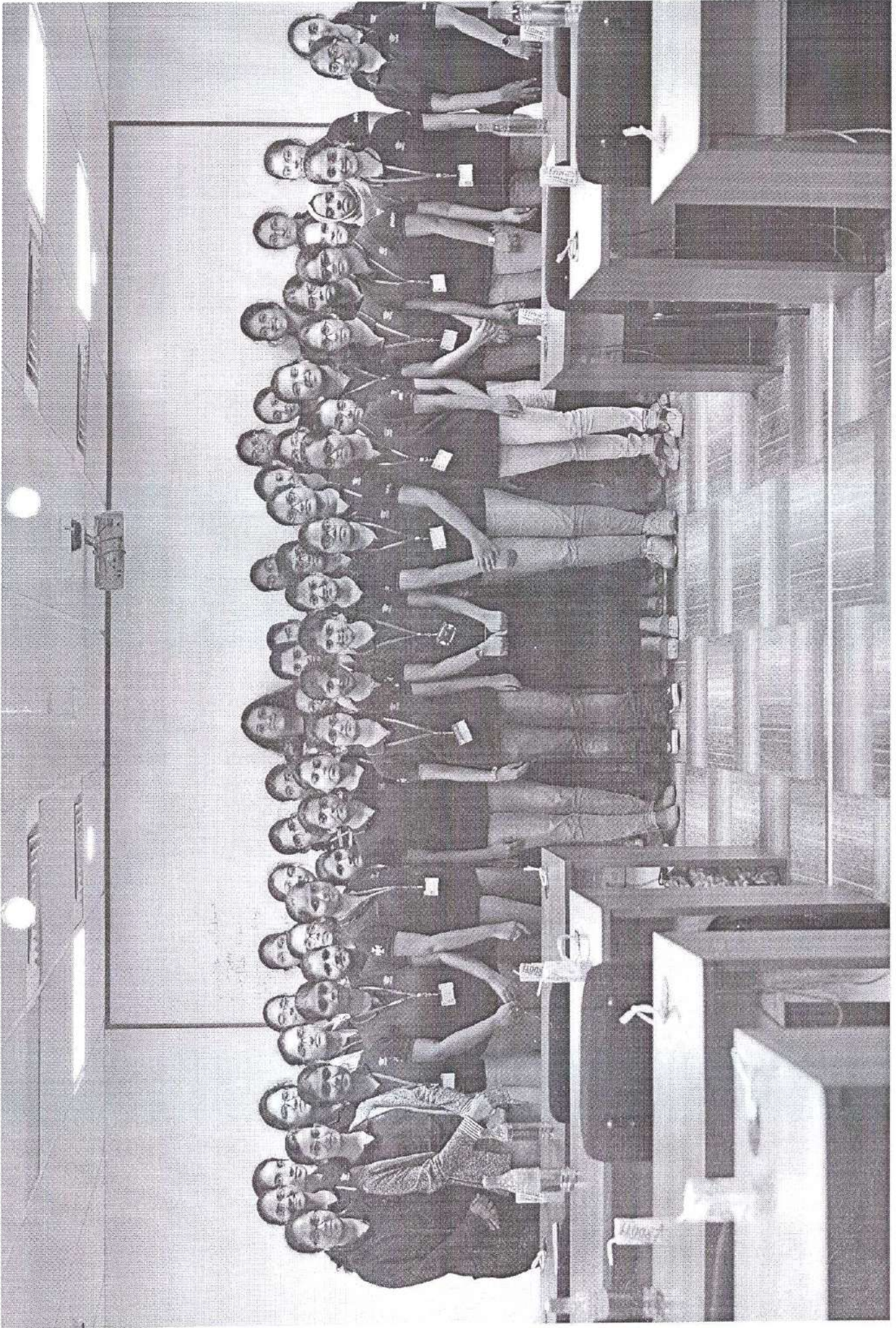
**INS**  **F** 

Inspire...Educate...Transform.

*Switzer*



*Swithe*



*Sunitha*

**G. Narayanamma Institute of Technology and Science**  
(AUTONOMOUS) (For Women)

**Department of CSE**

Date: 21/1/2020

**CIRCULAR**

This is to inform you that the Module-1 of **INSOFE BOLD** program was successfully completed and Module-2 is in process. In this regard distribution of certificates for the completion of Module-1 and a talk by Gopinadh Lakkoju is scheduled on **22/01/2020**. Kindly request to circulate among the concerned students.

**Venue:** IT Seminar Hall

**Timings:** 2:00 PM to 3:30 PM

**Faculty Coordinators**

1. Mrs. K.Sindhura, Asst.Professor, CSE, 9866601013
2. Mr. T.Rajesh, Asst.Professor, CSE, 9494254625

*Mh*  
21/1/2020  
**HOD CSE**

*Knh*  
21/1/2020  
**PRINCIPAL**

**Copy to:**

1. The Principal for kind information
2. Head of Department, CSE
3. Head of Department, ECE
4. Head of Department, EEE
5. Head of Department, ETM
6. Head of Department, IT

## Level 2

# Certificate in Applied Machine Learning on Real-World Problems

### Course Objectives

- To understand regression techniques along with their strengths and weaknesses
- To gain knowledge on systematic evaluation of Machine Learning models.
- To understand mathematics underlying Machine Learning.
- To gain the basics of different types of machine learning tasks.

**Linear Regression:** Basic understanding of Linear Regression with simple examples, Basics of assessing a Linear Regression model, understanding how to interpret a linear regression model and relevant caveats, Assumptions in linear regression, Fitting curves, Multiple linear regression, Special scenarios specific to multiple linear regression: Multicollinearity, Linear regression with one or more categorical predictor, Python implementation of regression

**Evaluation of Models:** Understanding the motivation for systematic evaluation of models: Performance evaluation for classification models: Confusion matrix, Common metrics such as accuracy, precision, recall, F1 score, Model comparison tools: ROC curve, Performance evaluation for regression models: Common metrics such as MSE, RMSE, MAPE and their advantages/disadvantages.

### Assessments Multiple Choice Questions (MCQ)

**Normal Distribution:** Basic understanding of normal distribution: PDF, CDF and well-known properties. The z-score and standardization, Evaluating CDF of normal distribution, example, Normal Distribution - 68-95-99.7 Rule.

**Probability Basics:** Random Variable and Probability Distributions, Random variable: Sample space, independence Probability distributions: Continuous, discrete Measures computed on a random variable: Expected value, variance

**Supervised and Unsupervised Learning:** General Overview, Common Classes of Practical Learning Problems, Common Supervised Learning Subtasks, Common Unsupervised Learning Subtasks. Association Rules, Market basket Analysis, Classification-Decision trees.

### Assessments

- 2 Minor Multiple-Choice Questions {MCQ} tests
- 1 Major Multiple-Choice Questions MCQ test
- For a given problem statement, students need to give a final presentation on why a data science study on this problem is useful for the business.

### Course Outcomes:

- Able to build regressor models for real time problems.
- Able to evaluate the machine learning models using various metrics
- Able to use probabilistic approaches for solving machine Learning problems
- Able to apply the concepts of association rules and decision trees in solving problems related to Machine Learning



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# Certificate of Merit

to

## A Sree Meghana

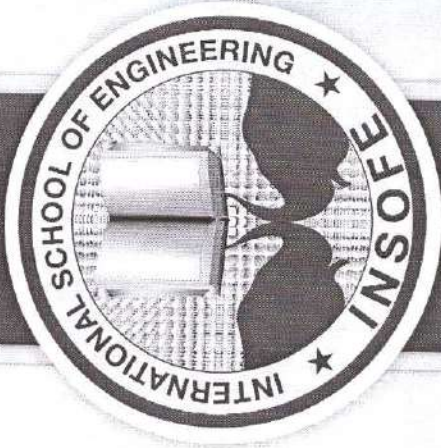
on successful completion of all the requirements  
of the 30-hour program in  
Applied Machine Learning on Real-World Problems.



INSOFE  
Foundation for  
Education & Research

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Dr. Sridhar Pappu  
Executive VP - Academics



**BOLD**  
Level - 2

28 03 2020

01-18-21/202003/3403





# Certificate of Merit

to

## Priya Amrutha Yeluri

on successful completion of all the requirements

of the 30-hour program in

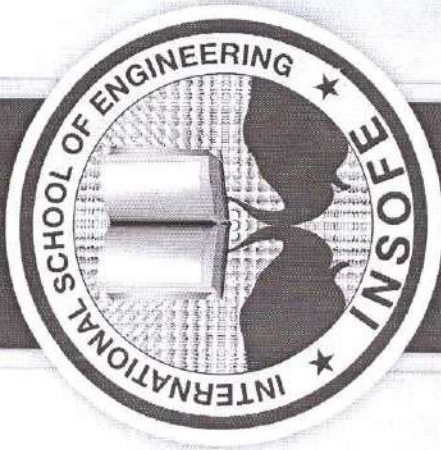
Applied Machine Learning on Real-World Problems.



INSOF  
Foundation for  
Education & Research

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Dr. Sridhar Pappu  
Executive VP - Academics



**BOLD**  
Level - 2

28 03 2020

01-18-21/202003/3328

**G.Narayanamma Institute of Technology & Science (for Women)**  
**Autonomous**  
**INSOFEE BOLD LEVEL -2**  
**List of registered Students**

S.No	H. T. No	Year&Branch	Name
1	17251A0472	III ECE	Nagireddy Priyanka
2	17251A04B0	III ECE	Keerthipati Poojasree
3	17251A04D0	III ECE	Gujja Shruthi Reddy
4	17251A04D9	III ECE	Naikoti Rushali
5	17251A04H6	III ECE	Shreya Sivaram
6	17251A0511	III CSE	KADAPATHRI SINDHU
7	17251A0512	III CSE	Kanchanapalli Shloka
8	17251A0558	III CSE	Vadali V L S Shravya
9	17251A05B7	III CSE	Sneha Reddy Kancherla
10	18251A0404	II ECE	Bandela Shirlene Rose
11	18251A0407	II ECE	Diksha Naval
12	18251A0409	II ECE	Gajawada Ruchitha
13	18251A0410	II ECE	Grandhi Srivalli Saranya
14	18251A0499	II ECE	D Shreya
15	18251A04B0	II ECE	Snigdha Pannir
16	18251A0502	II CSE	Amirishetty Pravanya
17	18251A0505	II CSE	Dhuduri Sahithi
18	18251A0512	II CSE	Keerthana Adavelli
19	18251A0516	II CSE	Manaswini M
20	18251A0524	II CSE	Raksha Naravi Pai
21	18251A0546	II CSE	Meghana Meda
22	18251A0552	II CSE	Rishitha Pendyala
23	18251A0560	II CSE	Y.Priya Amrutha
24	18251A0561	II CSE	Aakifah Batool
25	18251A05B4	II CSE	Samhitha Nagavani Kuchibhatla
26	18251A05B8	II CSE	Thanusha Panchati
27	18251A05C0	II CSE	Y. Sai Santhoshi
28	18251A05C1	II CSE	A Sree Meghana
29	18251A05C5	II CSE	Boorla Sowjanya
30	18251A05C8	II CSE	G Shriya
31	18251A05D0	II CSE	Akanksha Karnati
32	18251A05D3	II CSE	MANNE RESHMA
33	18251A05D5	II CSE	M.Ankitha Reddy
34	18251A05D6	II CSE	B.V.N.Sai Sudha
35	18251A05F9	II CSE	Ikkurthi Keertana
36	18251A1229	II IT	T.BinduMadhuri
37	18251A1247	II IT	Kandimalla Pranitha
38	18251A1250	II IT	M.Teja pranavi
39	18251A12A7	II IT	kotha priyanka
40	18251A1701	II ETM	Phani Bhavana Atluri
41	18251A1717	II ETM	MADDI AKHILA

*Smitha*

































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◀ WhatsApp

4G

Close

Participants (41)

-  Kalyani Nandhipati-5H0  
-  Keerthana\_1285  
-  Koutam Swapna-18-507  
-  Krishna Harika  
-  Macherla Adithi\_545  
-  Maddineni Navyasree\_5A7  
-  Maheshwari 18-502  
-  mamatha alimeneti  
-  meghanashetty2712@gmail.com  
-  nalam vaishnavi  
-  P.Bhavana\_18-522  
-  Pallavi 18-504  
-  Pranitha  

Invite

*Swathi*