



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

(Sponsored by Lavu Educational Society)

[Affiliated to JNTUH, Hyderabad & Approved by AICTE, New Delhi]

Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (D) - 501 301. Phone: 96529 10002/3



DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

Innovative Methods in Teaching and Learning

S.No.	Description
1	Google Classroom
2	Blended Teaching
3	Group Discussions
4	Flipped Classroom
5	Virtual Labs
6	NPTEL Courses
7	Cousera campus Basic Plan



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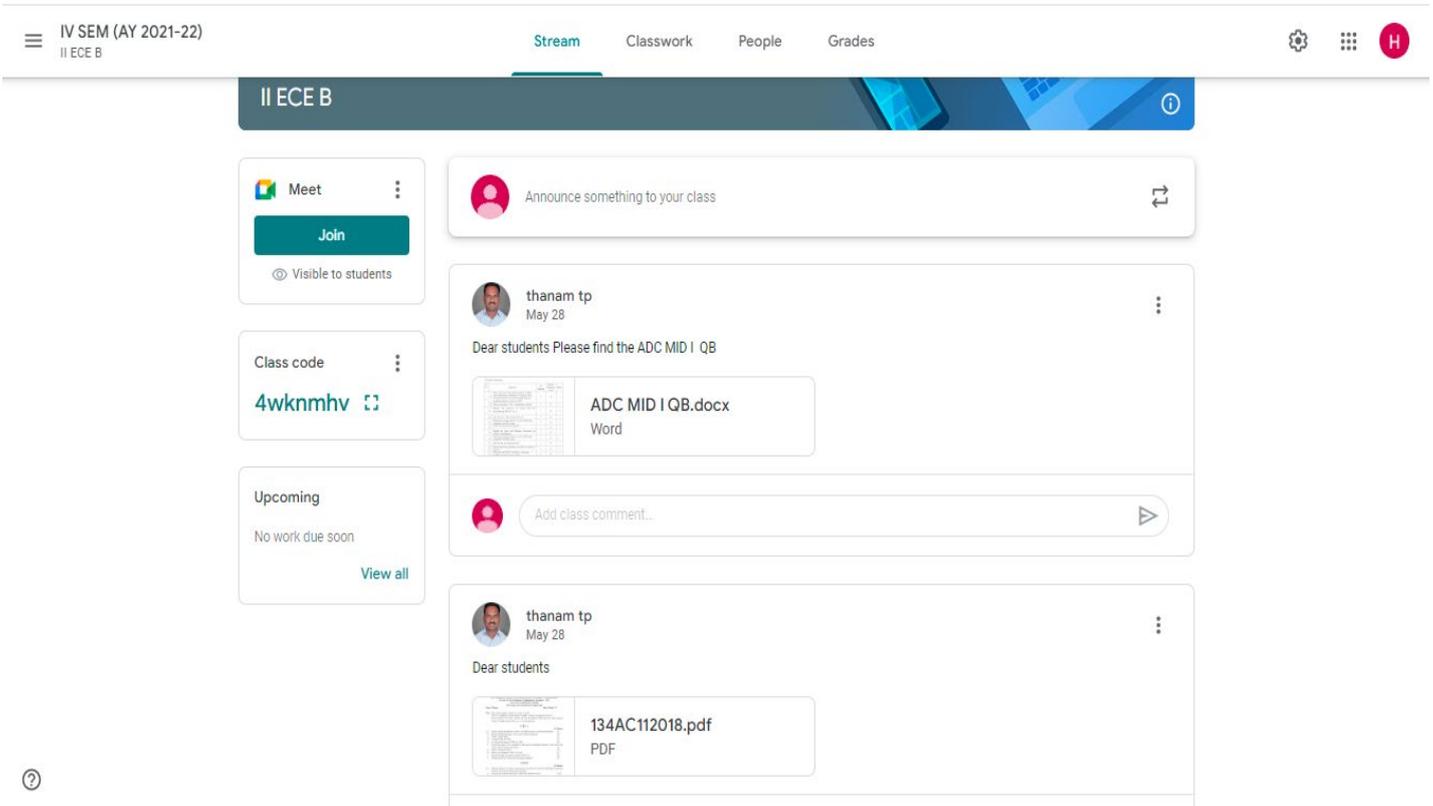
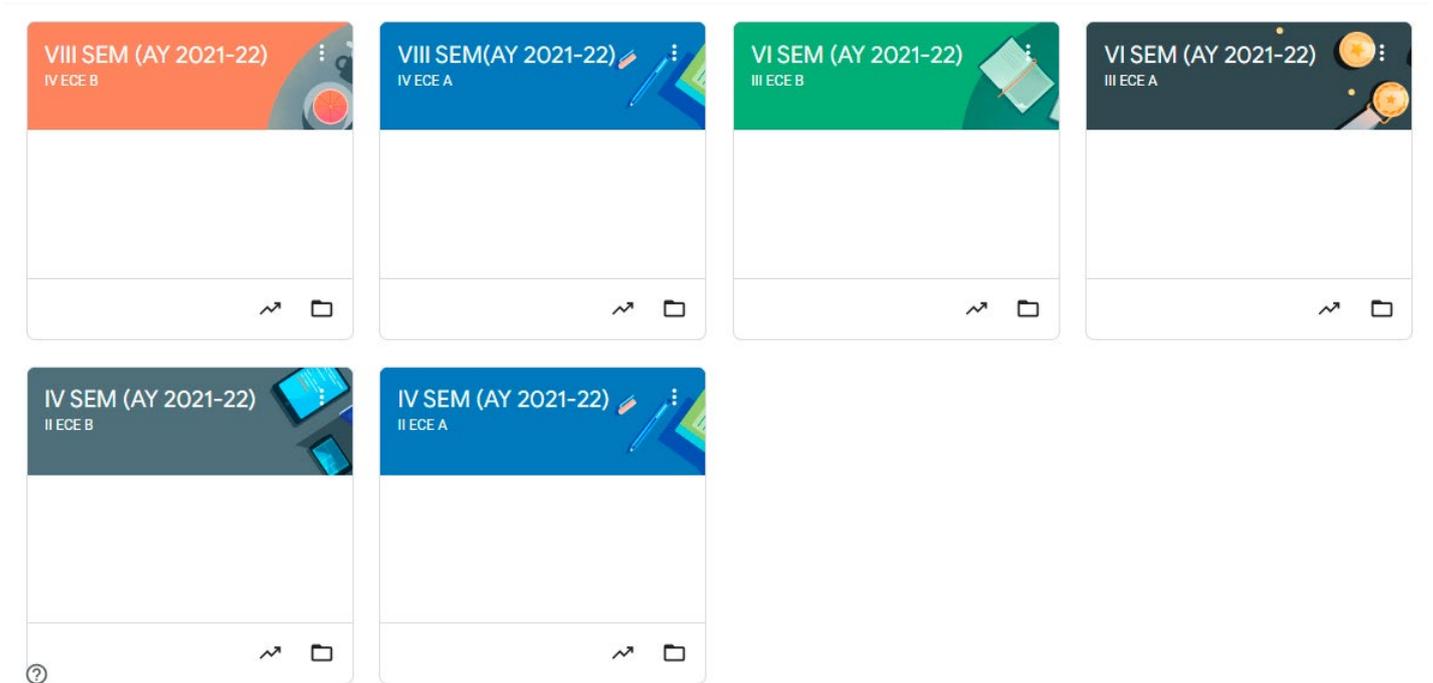
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Google Classroom



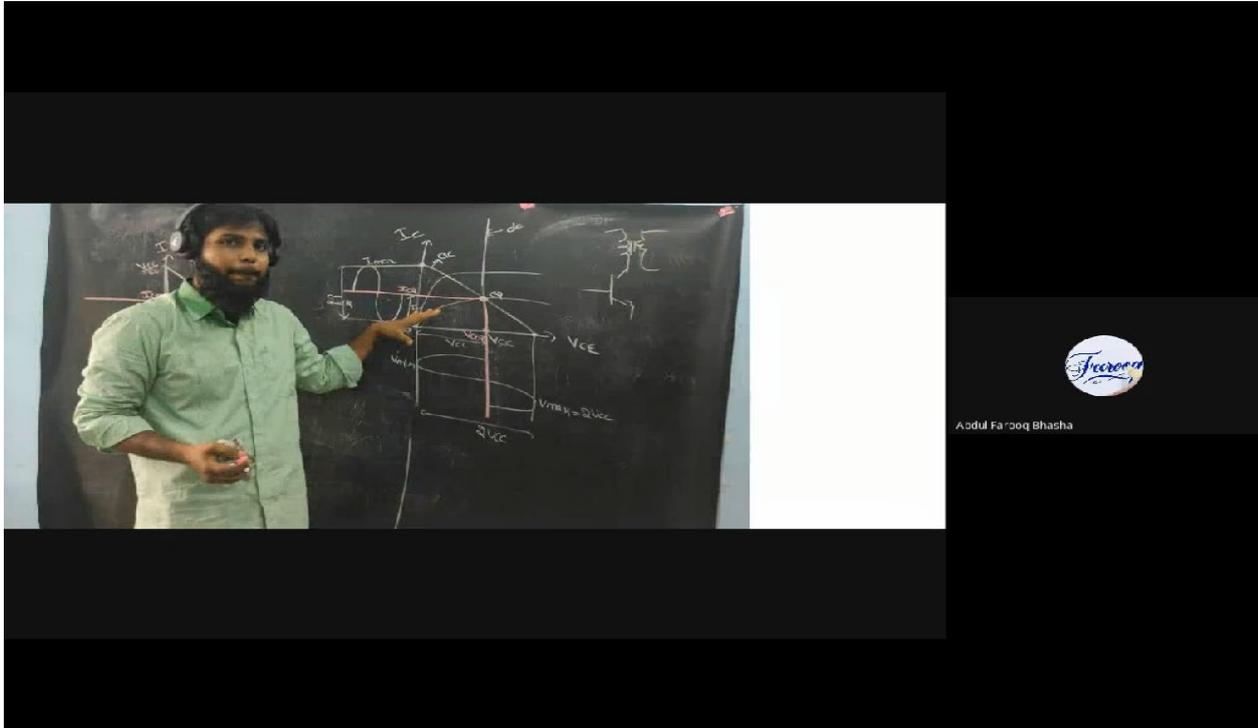


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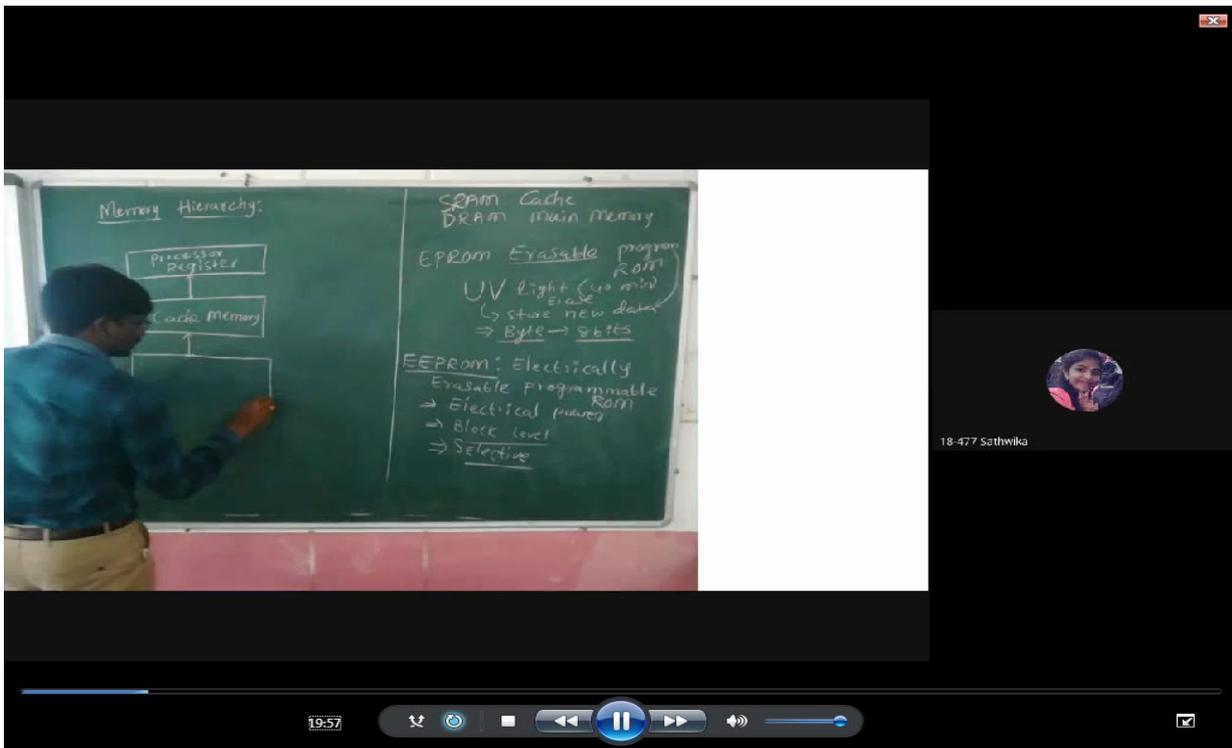
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Mr. Farooq Basha Assistant professor from Electronics and Communication Engineering Department Taking online class for the subject EDC through ICT Tool (Google meet) .



Mr. E. Nagaraju, Assistant professor from Electronics and Communication Engineering Department Taking online class for the subject MPMC through ICT Tool (Google meet) .



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The screenshot shows a digital slate interface with the following content:

I. L. T. of Integrals

$$\text{If } \mathcal{L}\{F(s)\} = f(t) \text{ then } \mathcal{L}\left\{\int_s^{\infty} F(s) ds\right\} = \frac{f(t)}{t}$$
$$\Rightarrow t \mathcal{L}\left\{\int_s^{\infty} F(s) ds\right\} = f(t)$$
$$\Rightarrow \mathcal{L}\{F(s)\} = t \mathcal{L}\left\{\int_s^{\infty} F(s) ds\right\}$$

The interface includes a title bar with a back arrow and the word "Title", a toolbar with various drawing and editing tools, and a video feed of a man identified as "santhosh kumar".

Mr. Santosh Kumar, Assistant Professor from Department of BS & H taking online class on Mathematics subject using ICT tool (Digital Slate and Google meet).



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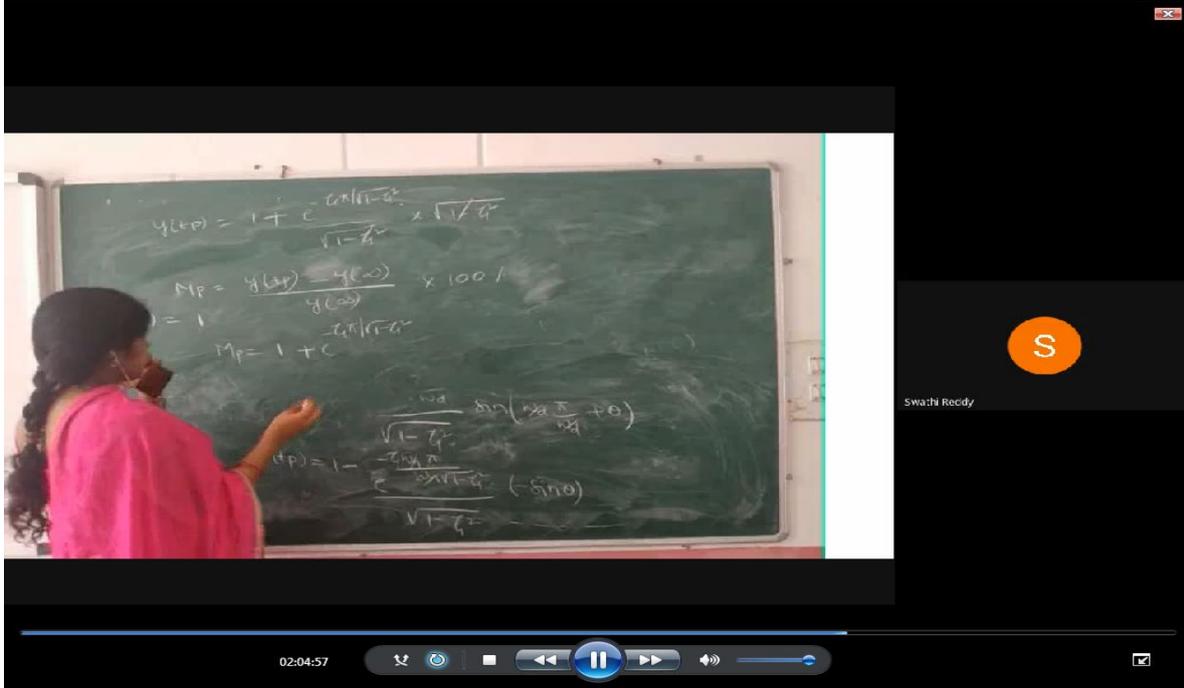
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Blended Teaching



Mrs.G.Swathi,Assistant professor from Electronics and Communication Engineering Department Taking online class for the subject NATL through Black board and Google meet.



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Group Discussion





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Flipped Classroom

A flipped classroom is the type of blended learning where the instructional content is provided online, outside of the classroom. PowerPoint presentation and material was provided to students in advance. Interested students were given the chance to explain the topic. Questionnaire in the form of a crossword puzzle was given in classroom and discussion was done on the same. The students answered the crossword and solving the questionnaire in the form of crossword made it interesting. It helped students actively participate in classroom and got deeper knowledge about the concepts.





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Virtual Labs

- To provide remote access to labs in various disciplines of Science and Technology.
- To help them in learning basic and advanced concepts through remote experimentation and perform experiments enthusiastically which enhances the confidence levels of the students to implement the task using Virtual Labs.

List of Experiments

Name of the lab	S. No	Name of the Experiment	Link to join
BASIC ELETRONICS LABORATORY	1.	VI Characteristics of PN Junction Diode	http://vlabs.iitkgp.ac.in/be/
	2.	Input and Output Characterises of Common Emitter Amplifier	
	3.	Full Eave Rectifier	
	4.	Common Emitter Amplifier	
Electronic Design and Automation Laboratory	5	Schematic Design of Transistor level invertor	https://vlsi-iitg.vlabs.ac.in/
	6	Schematic Design of Transistor level Nand and NorGates	
	7	Schematic Design of Transistor level XOR and XNOR Gates	
	8	Schematic Design of Pass-Transistor and LogicGates	
	9	Delay estimation in chain of Invertors	
	10	Schematic Design of D Latch and D Flip-Flop	
Digital Signal Processing Laboratory	11	IIR Filter Design	http://vlabs.iitkgp.ac.in/dsp/
	12	DFT and Inverse DFT	
	13	FIR Filter design using windows method	
	14	Study of Transform domain properties and its use	



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NPTEL Certification

Faculty are encouraged to enroll for NPTEL courses. Certification helps the faculty to gain knowledge in advanced topics and in the process help students.



Elite

NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



This certificate is awarded to
SWATHI GANGULA
for successfully completing the course



Control Systems

with a consolidated score of **92** %

Online Assignments	24.34/25	Proctored Exam	68/75
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Total number of candidates certified in this course: 606



Prof. Devendra Jalihal
Chairman
Centre for Continuing Education, IITM

Sep-Dec 2020
(12 week course)



Prof. Andrew Thangaraj
NPTEL Coordinator
IIT Madras



Indian Institute of Technology Madras



Roll No: NPTEL20EE90571600678

To validate and check scores: <https://nptel.ac.in/noc>



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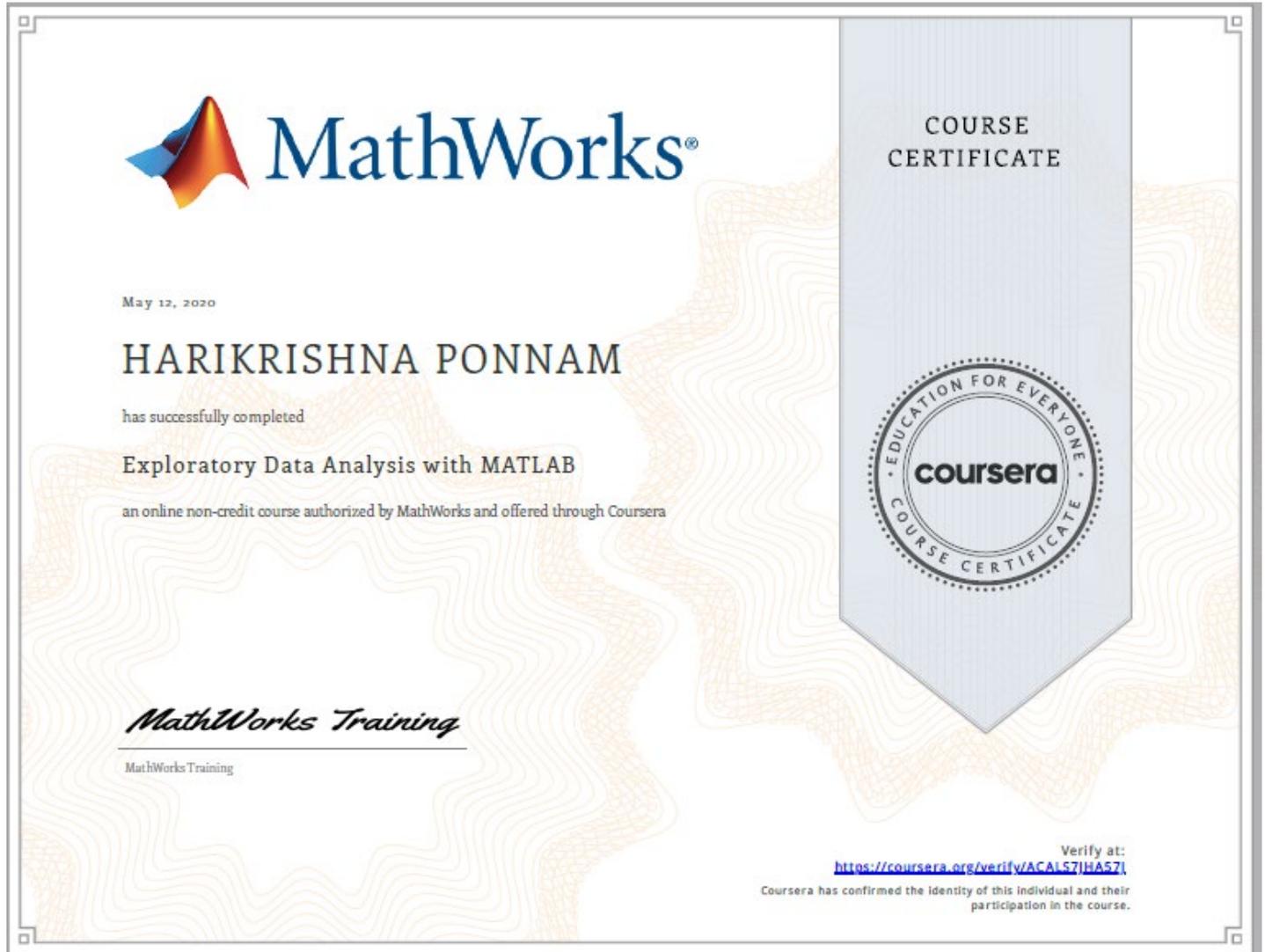
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Coursera Certifications

Faculty and Students are encouraged to enroll for Coursera online certification courses through Coursera Campus Basic Plan. Certification helps the faculty and Students to gain knowledge in advanced topics.





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U - S T

20-May-2022

valabhoju manasa

has successfully completed

Create Your First Python Program From UST

an online non-credit project authorized by Coursera Project Network and offered through Coursera

Amit Yadav
Instructor
Machine Learning and Data Science

PROJECT
CERTIFICATE



Verify at:

<https://coursera.org/verify/AMFVW3FHK7NE>

Coursera has confirmed the identity of this individual and their participation in the project.