

## Dindigul- Palani Highway, Dindigul – 624 002.

C No	Don outmos: 4	Name of the Faculty	D	UHV Course Details		Certificate Status
S No.	Department	Name of the Faculty	Designation	From	То	Specify Yes or No
1	English	J. Srinivasan	Associate Professor	24/08/2020	28/08/2020	Yes
2		V. Sumithra	Assistant Professor	21/09/2020	25/09/2020	
3		J. John Prateeba				
4		P. Kothai Natchiar				
5		Dr.M.Rameswari	Professor	21/09/2020	25/09/2020	
6	Mathematics	R.Satheesh Babu		20/12/2021	21/12/2021	
7		S.Kavitha	Assistant Professor	21/09/2020	25/09/2020	Yes
8		M.Christopher		20/12/2021	21/12/2021	
9		R.Janani		21/09/2020	25/09/2020	
10		R.Saravanan		21/09/2020	25/09/2020	
11		R.Vithyadevi		21/09/2020	25/09/2020	
12		S.Hemalatha 21/09/2020	25/09/2020			
13	Civil Engineering	P.M. Sharan Karthik	Assistant Professor	22/11/2021	26/11/2021	Yes
14		K. Thara		5/10/2020	9/10/2020	Yes
15	Chemistry	S.Soundralakshmi	Assistant Professor	5/10/2020	9/10/2020	Yes
16		Dr. J.Abraham HudsonMark	Associate Professor	5/10/2020	9/10/2020	Yes
17	Physics	S.Nithya	Assistant Professor	5/10/2020	9/10/2020	Yes

PRINCIPAL



# SSM Institute of Engineering and Technology, Dindigul

## Department of English

# I BE Induction Program (2021-22 ODD)

## Syllabus for English Proficiency

#### **Elementary Module**

- Session 1: Introduction- Affixes- Prefixes and Suffixes Word formation Commonly misspelt
- Session 2: Synonyms & Antonyms Sentence patterns (Basic patterns)

  Session 3: Framing Questions- Yes/ No type questions Question tags Framing questions for statements.
- Session 4: Advt. preparation- Phrases and slogans used in advertisements Framing phrases for advertisements.
- Session 5: Self introduction- Including individual's strength, weakness and goals Format

#### **Primary Module**

- Session 1: Listening- Listening Comprehension Audio Fill ups and checking ability to understand the passage.
- Session 2: Speaking Self introduction
- Session 3: Reading Pronunciation- Speech Sound Syllabification Reading passages
- Session 4: Writing 1- Story; Narrative writing
- Session 5: Writing 2- Letter Writing- Formal; Informal

#### Secondary Module

Introduction to Technical English- English as a subject- Introducing basics of LSRW-Learn and improve written communication skills.

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Dindigul- Palani Highway, Dindigul - 624 002

#### BRIDGE COURSE

#### MODULE 1: Elementary Level

- Hour 1: Determinants: Definition and expansion of determinants of order 2 and 3.

  Properties of determinants Simple Problems
- Hour 2: Matrices: Definition –Singular Matrix, Non-singular Matrix, Adjoint of a matrix and Inverse of a matrix up to 3 x 3 only. Simple Problems
- Hour 3: Binomial Theorem: Definition of Factorial notation Definition of Permutation and Combinations - Simple Problems
- Hour 4: Limits: Definition of Limits. Problems using Limits
- Hour 5: Definition Differentiation of Trigonometric Function, Differentiation formulae- Simple Problems
- Hour 6: Differentiation: UV, U/V method, Substitution Method- Simple Problems

#### MODULE 2: Primary Level

- Hour 1: Differentiation: Differentiation of function functions (chain rule) Simple Problems
- Hour 2: Differentiation: Inverse Trigonometric functions and Implicit functions. Simple Problems.
- Hour 3: Matrices: Rank of a matrix
- Hour 4: Partial Differentiation: Definition Simple problems in 3 variables
- Hour 5: Integration : Basic Definition of Integration Formulae Simple Problems
- Hour 6: Partial Fraction: Methods of Partial fraction Simple Problems

#### MODULE 3: Secondary Level

- Hour 1: Matrices: Finding rank of a matrix by determinant method (matrix of order 3 x 4) Simple Problems.
- Hour 2: Partial Differentiation: Partial differentiation of two variables up to second order only. Simple Problems.
- Hour 3: Successive differentiation: Successive differentiation up to second order-Simple Problems
- Hour 4: Successive differentiation: order and degree, formation of differential equation. Simple Problems
- Hour 5: Integration: Integration by parts- Simple Problems
- Hour 6: Integration: Substitution method, Trigonometric Substitution Simple problems

HOD Maths

Principal

# SSM Institute of Engineering and Technology, Dinidigul-02

# Induction program-2021-22

# Department of Physics

# Module 1: Elementary level

Kinematics and mechanics- Electricity and Magnetism - Elasticity - Thermal physics -Acoustics and ultrasonic - Band theory of solids - Basics for semiconductor laser and

## Module 2: Primary level

Units and Measurements - Vernier Caliper - Screw Gauge - Travelling Microscope -

## Module 3: Secondary level

Introduction to Engineering Physics - classical theory and quantum theory in physics - crystal Physics - Magnetic materials - Super conducting materials - Dielectric

Division Head (Physics) ( )r. G. Shenmyen

# SSM INSTITUTE OF ENGNEERING AND TECHNOLOGY, DINDIGUL

#### DEPARTMENT OF CHEMISTRY

#### **BRIDGE COURSE 2021-2022**

#### **SYLLABUS**

#### **OBJECTIVES**

- > To bridge the "school education and engineering education".
- > To make "learning of Chemistry as a pleasant experience".

#### MODULE-1 (18.10.2021)

#### I. Basic Chemistry

- 1. Atoms & Molecules
- · 2. Subatomic particles, Atomic Number, Mass Number
- 3. Isotopes, Isobars
- 4. Element names, symbols, Periodic table.

#### MODULE-II (25.10.2021)

#### **II.Analytical Chemistry**

- 1. Acids
- 2. Bases
- 3. Solutions Normality, Molarity, Molality
- 4. Chemistry in day to day life.

#### MODULE-III (01.11.2021)

#### III. Applied Chemistry

- 1. Water
- 2. Adsorption, Absorption
- 3. Energy Sources
- 4. Batteries

1. The 2. J. Land med. Faculty Incharges

Mrs.K. Thara

Mrs.S.Soundaralakshmi

HoD You

Dr.N.Sampathkumar

Principal

Dr.D.SenthilKumaran



Dindigul – Palani Highway, Dindigul – 624 002

#### DEPARTMENT OF CIVIL ENGINEERING

#### **INDUCTION PROGRAM**

BRANCH: I BE CIVIL HOD's Talk

CONVENED BY: DR. R. SELVABHARATHI, HoD/CIVIL Date: 10.11.2021







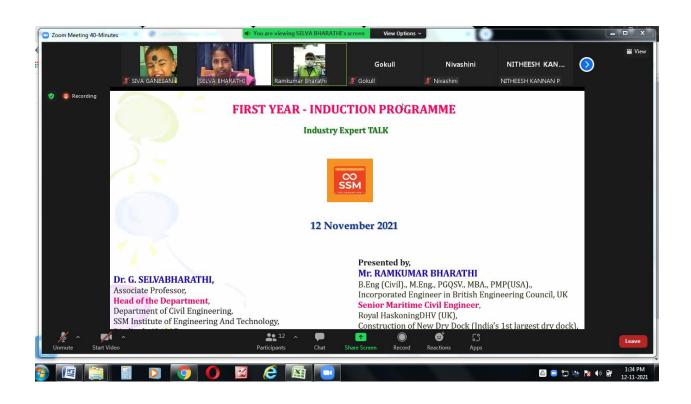


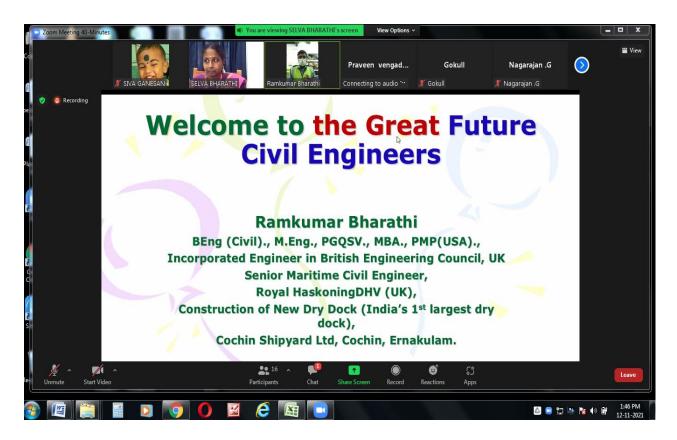




CONVENED BY: Mr.RAMKUMAR BHARATHI, Senior Maritime Civil Engineer, Royal HaskoningDHV(UK), Cochin Shipyard Ltd, Cochin, Ernakulam.

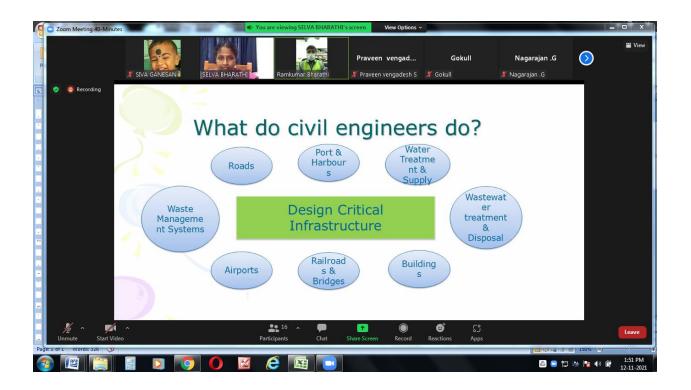
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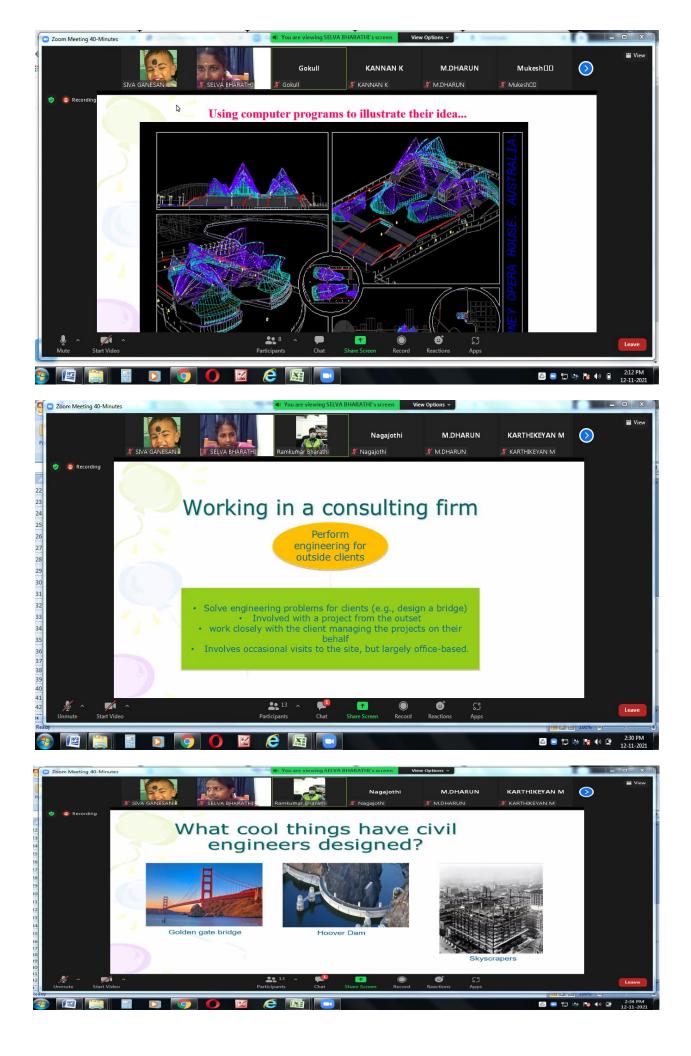










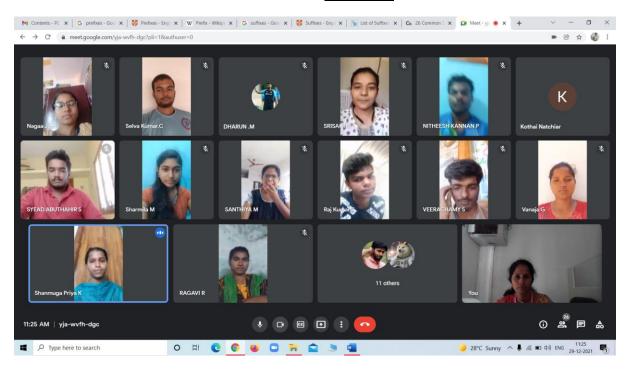


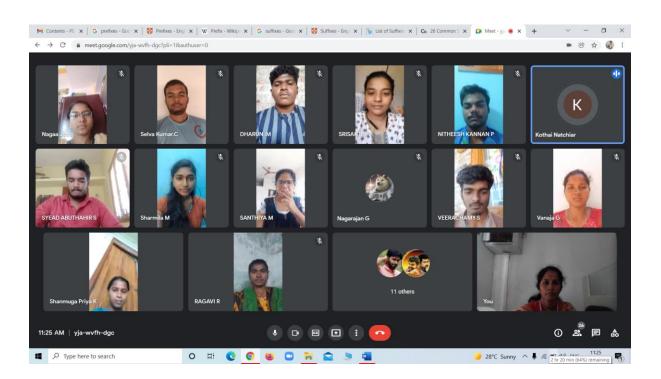
#### UNIVERSAL HUMAN VALUES

#### CONVENED BY: MRS. V. SUMITHRA, AP/ENGLISH

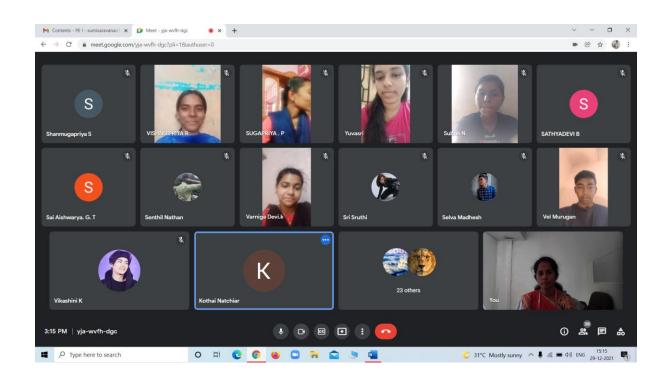
#### **EEE/Civil**

Date: 12.11.2021





#### **ECE III**







Dindigul – Palani Highway, Dindigul – 624 002

#### DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

#### **INDUCTION PROGRAM**

**BRANCH: I BE CSE** 

#### **HOD'S TALK**

CONVENED BY: DR. V.SHUNMUGHAVEL, HoD/CSE

Date: 9.11.2021

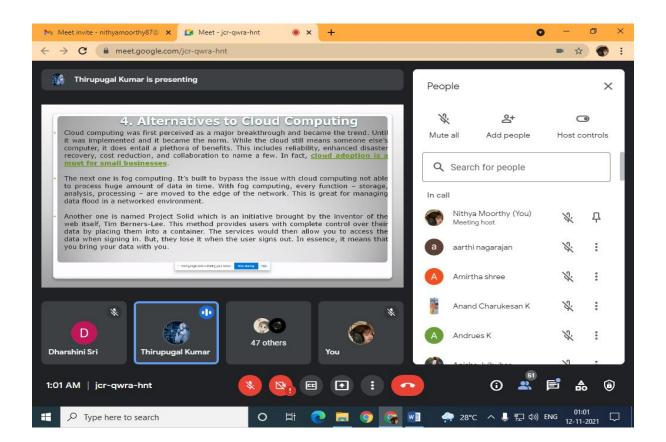


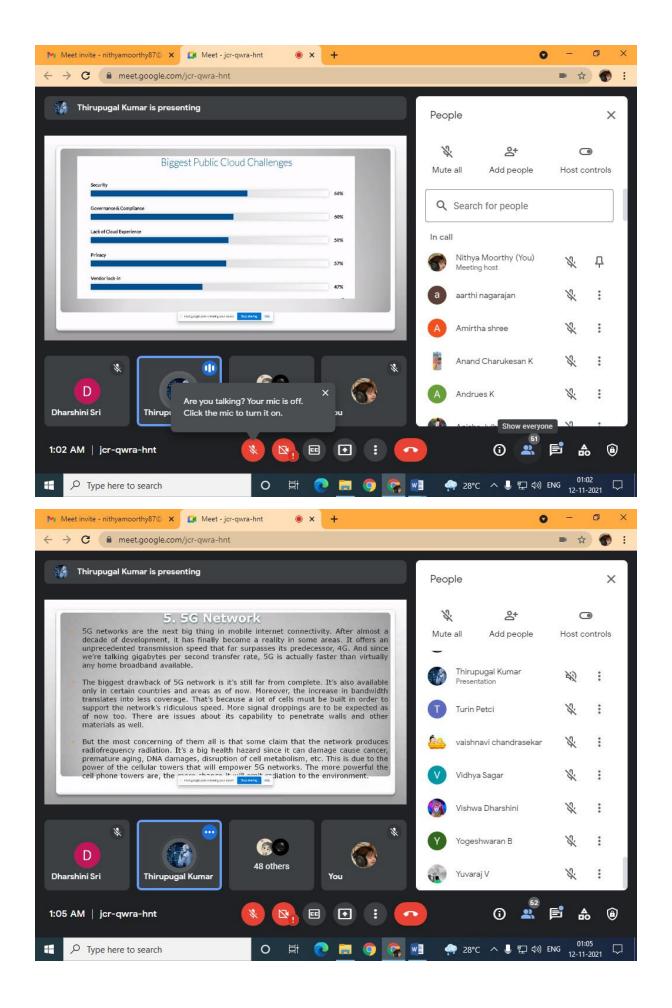


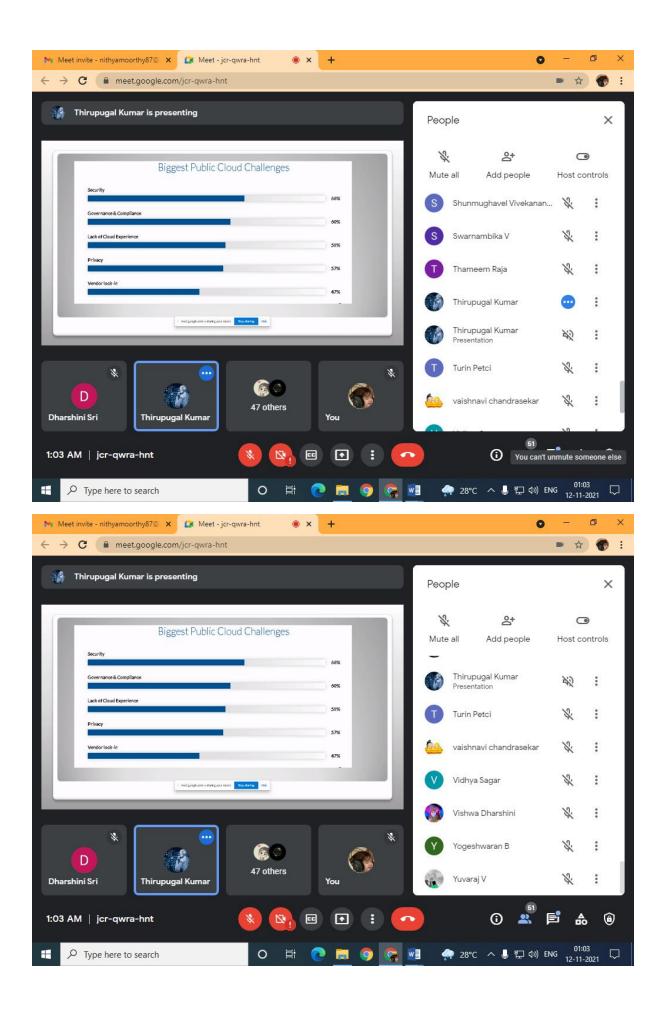


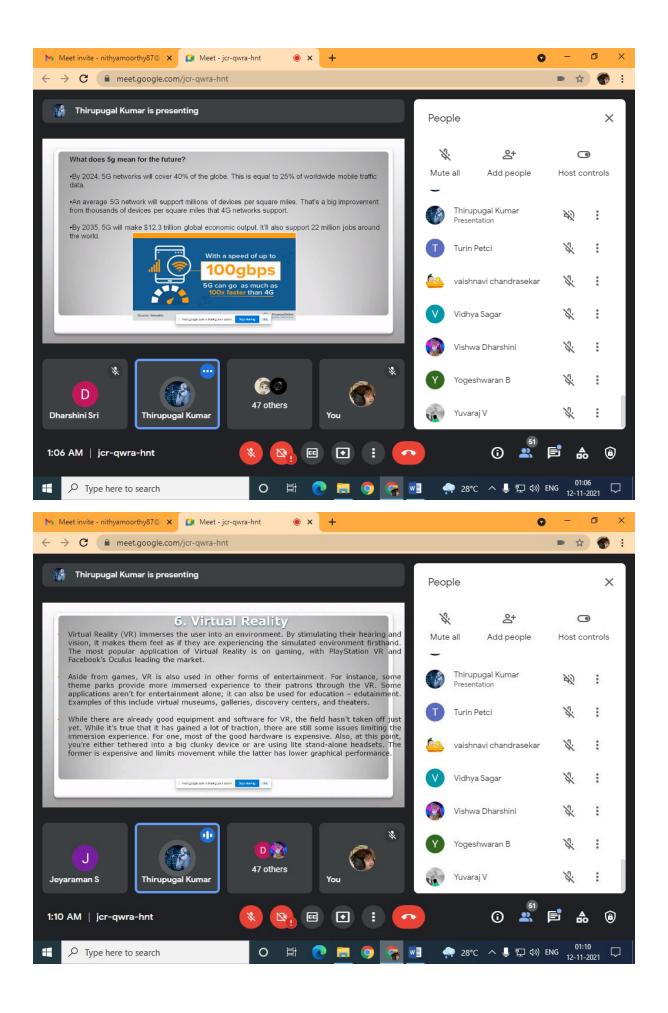
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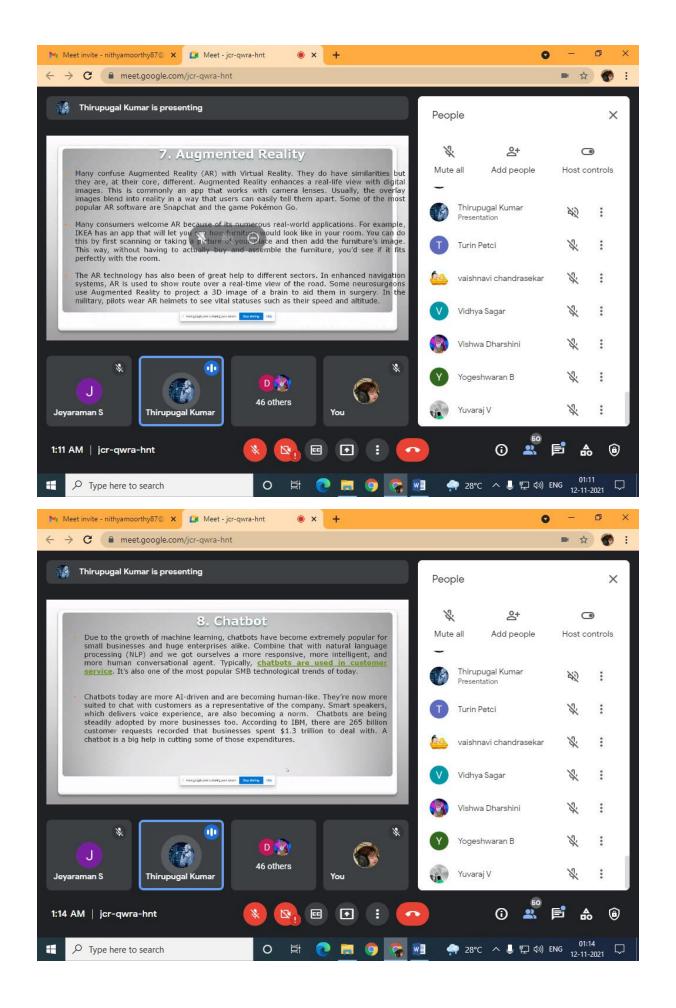
Resource Person: Mr. Thirupugal Kumar

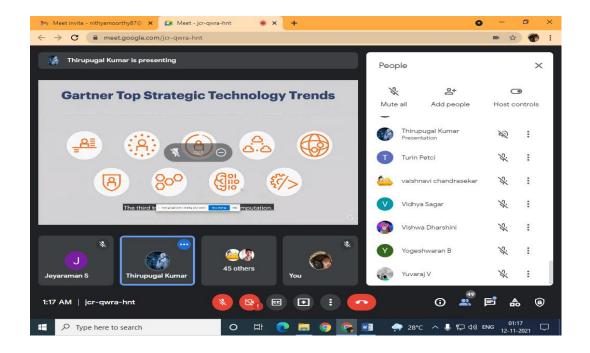










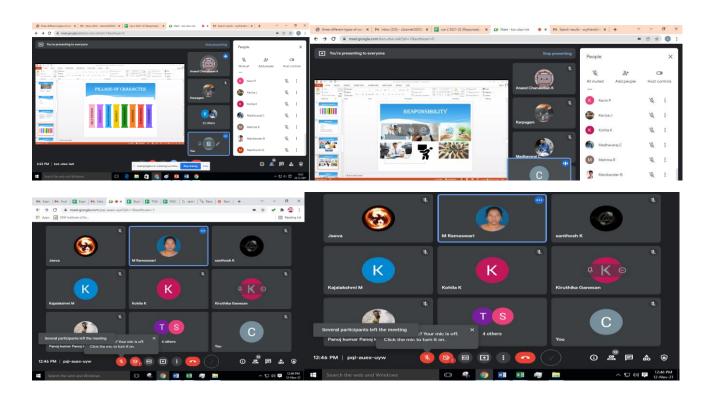


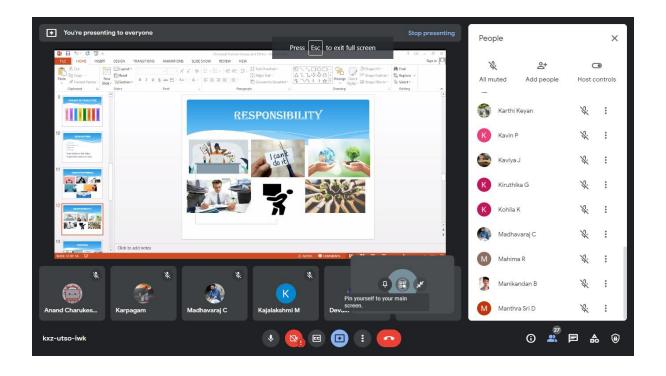
#### **UNIVERSAL HUMAN VALUES**

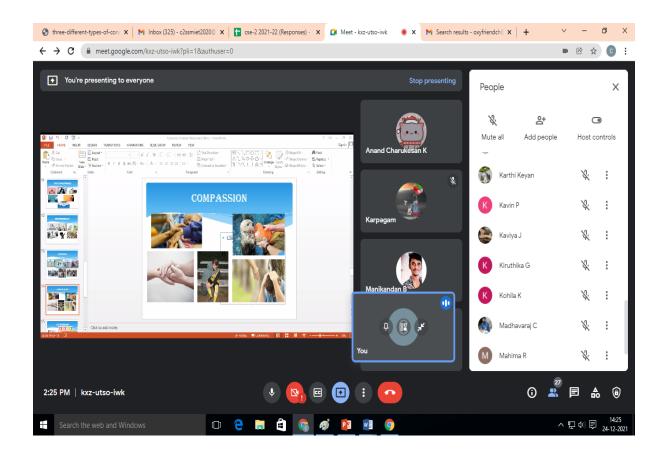
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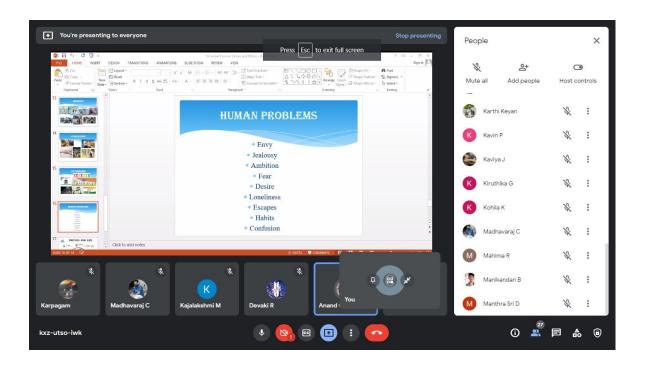
#### **CONVENED BY: DR.M.RAMESWARI, HoD / Mathematics**

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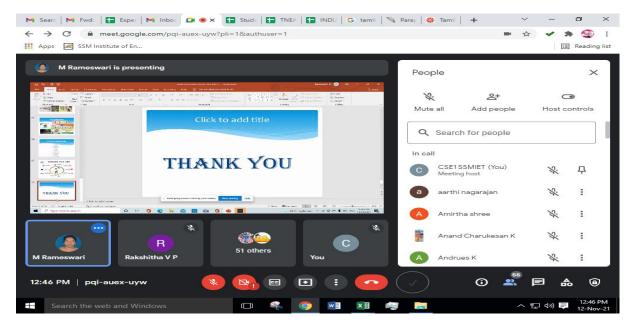














Dindigul – Palani Highway, Dindigul – 624 002

#### DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

#### **INDUCTION PROGRAM**

**BRANCH: I BE ECE** 

#### **HOD'S TALK**

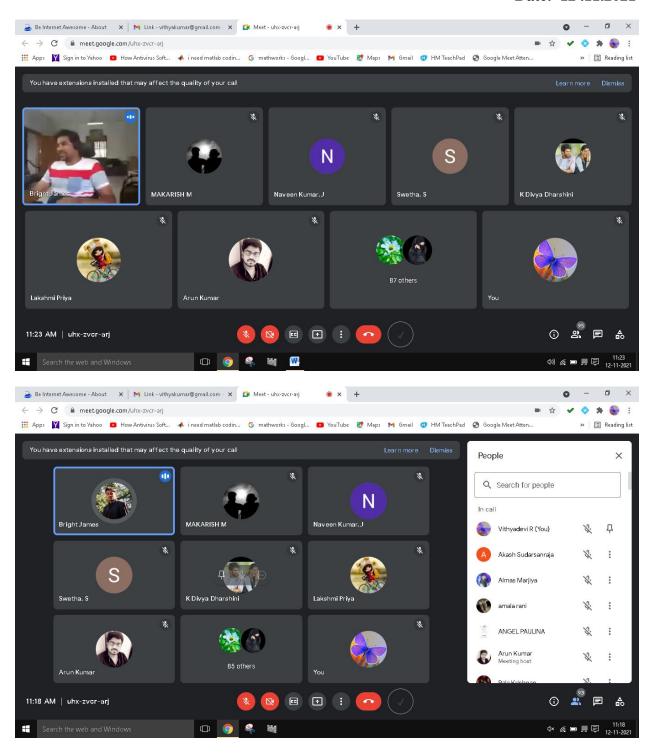
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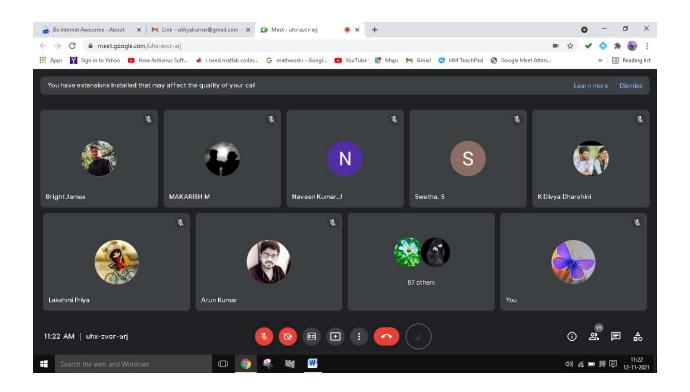


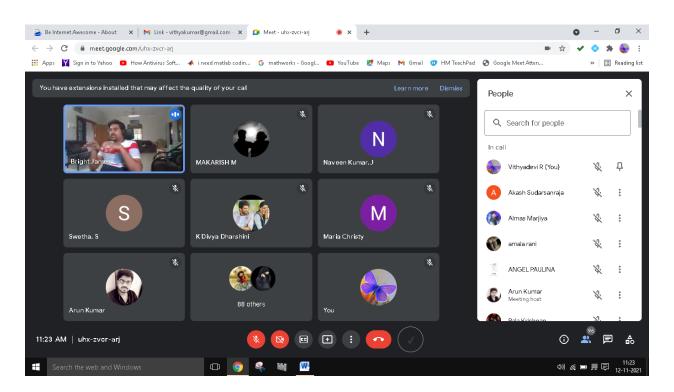


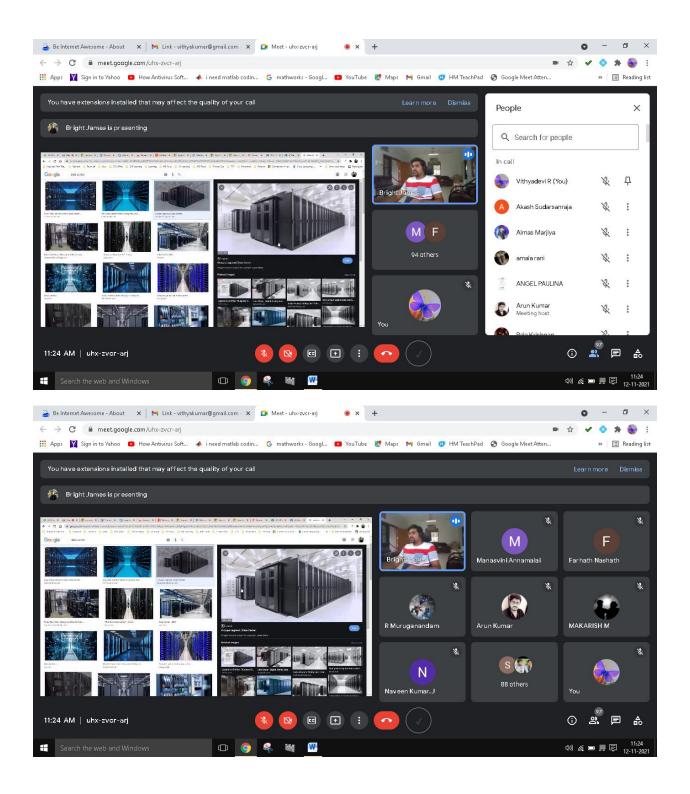


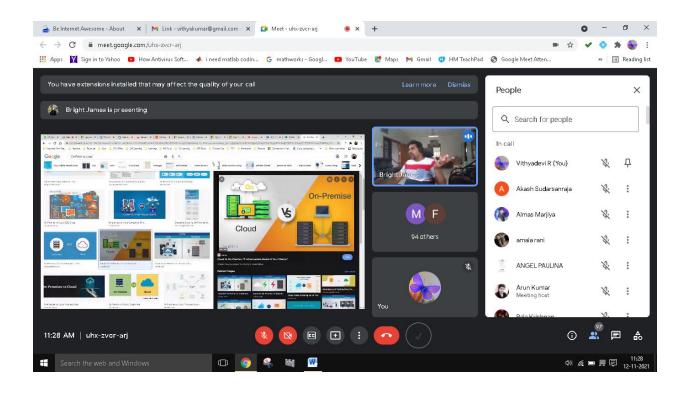
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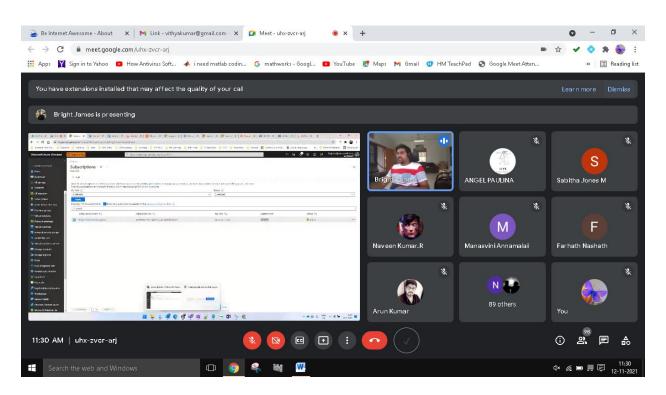






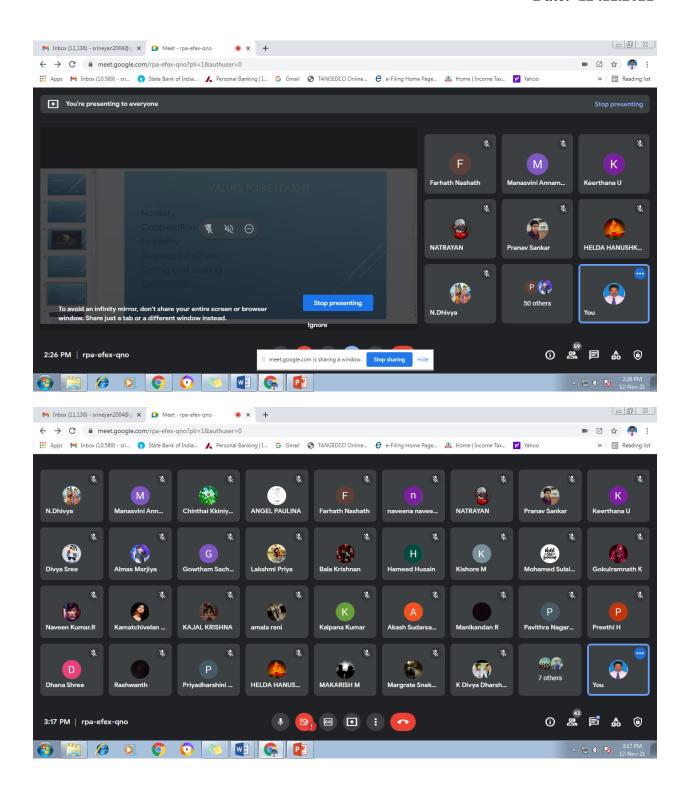






#### **UHV**

Date: 12.11.2021





Dindigul – Palani Highway, Dindigul – 624 002

# DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

#### **INDUCTION PROGRAM**

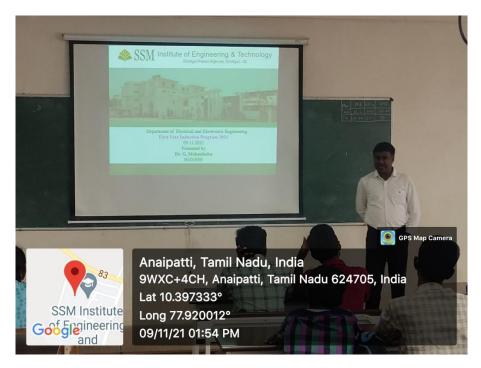
#### **BRANCH: I BE EEE**

DEPART	MENT OF ELECTRIC	AL AND ELECTRONICS ENGINEERING	
		NTS INDUCTION PROGRAM	
DATE	TIME	NAME OF THE FACULTY	
09-11-2021	1.30 to 3 p.m	Dr. G Mohanbabu Prof & Head / EEE Mrs.S.Bavithra AP/EEE	
10-11-2021	1.30 to 3 p.m	Mr.D.Manoj AP/EEE Mrs.S.Bavithra AP/EEE	
DATE	TIME	NAME OF THE RESOURCE PERSON/	
	1.30 to 1.45 p.m	Ms. G. Manjubashini Capegemini, Chennai	
12-11-2021	1.45 to 2.00 p.m	Mr. Elancheziyan ProlificTechnologies, Coimbatore.	
	2.00 to 2.15 p.m	Ms. S. Rishya Dora TCS, Chennai.	
	2.15 to 2.30 p.m	Mr. Shyam Sundar, Sun Edition I offices Chenna	

#### **HOD'S TALK**

#### CONVENED BY: DR. MOHAN BABU, HoD/ EEE

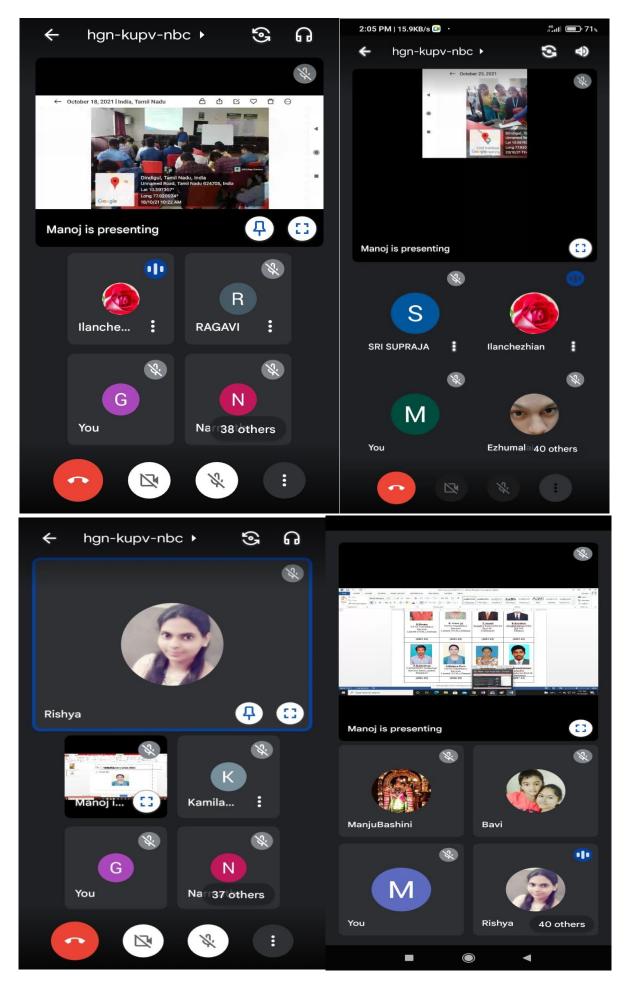
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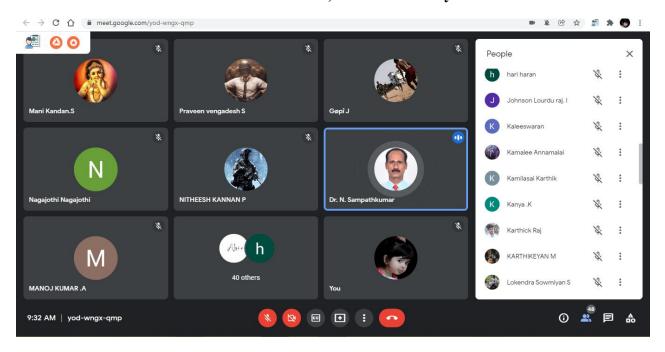


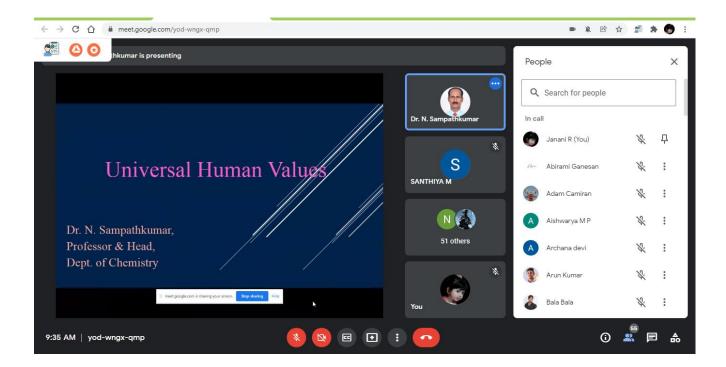
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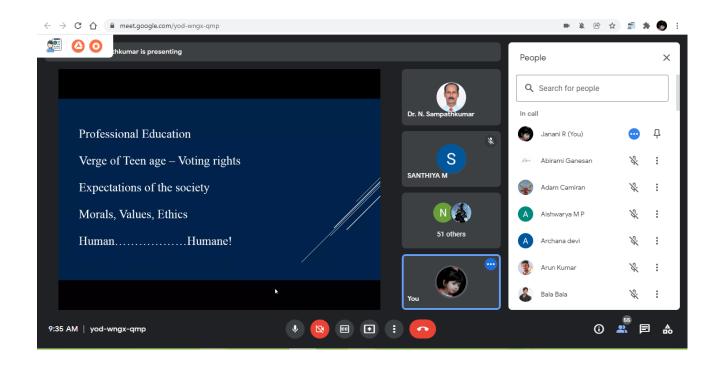


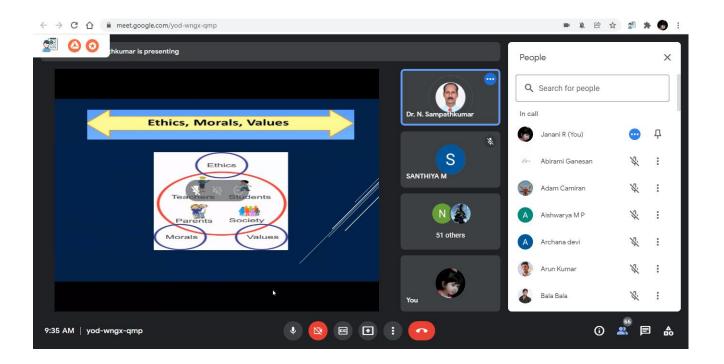
#### **UNIVERSAL HUMAN VALUES**

CONVENED BY: DR.N.SAMPATHKUMAR, HoD / Chemistry Date: 12.11.2021











# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

## DEPARTMENT OF MECHANICAL ENGINEERING

## **INDUCTION PROGRAM**

**BRANCH: I BE MECHANICAL** 

# **HOD'S TALK**

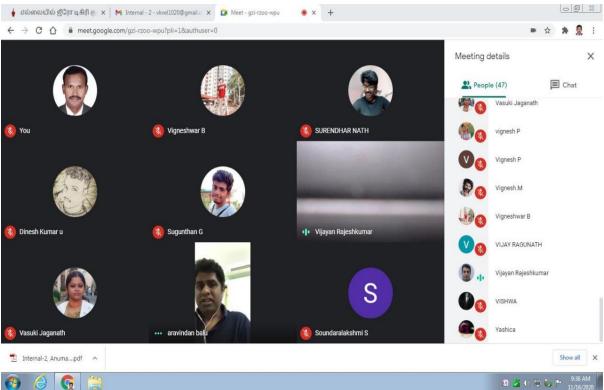
CONVENED BY: Dr. G. Sankara Narayanan Date: 09.11.2021



## **LECTURE** by Industry People

Date: 12.11.2021

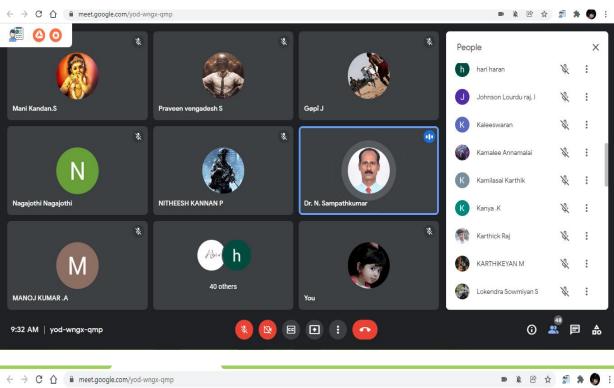


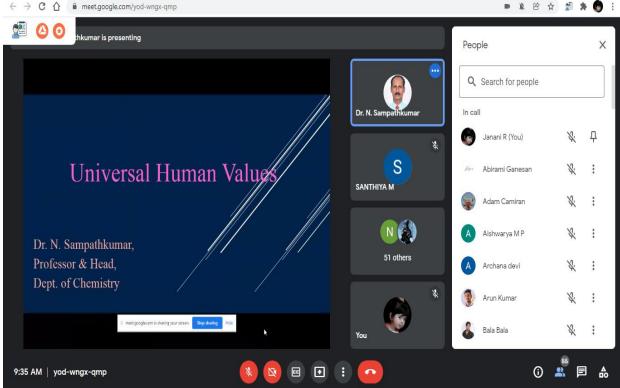


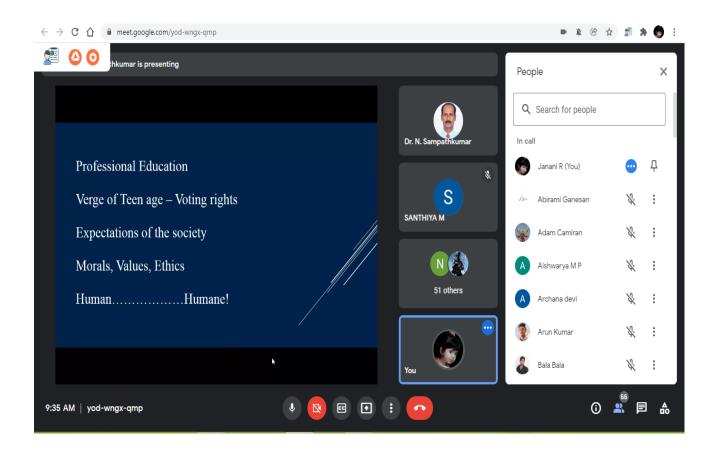
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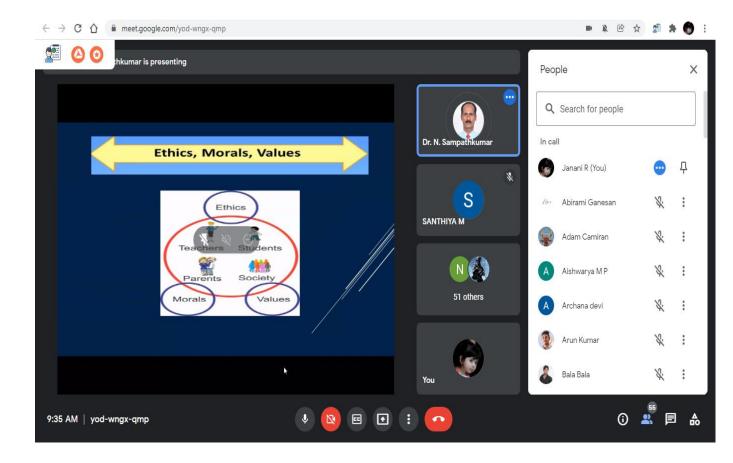
## CONVENED BY: DR.N.SAMPATHKUMAR, HoD / Chemistry

Date: 12.11.2021











# SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY

Dindigul – Palani Highway, Dindigul – 624 002

# DEPARTMENT OF SCIENCE AND HUMANITIES

#### **INDUCTION PROGRAM**

#### **INDUSTRY VISIT**

**PARTICIPANTS: ALL BRANCHS** 

Date: 11.11.2021













