

2020 - 2021

13.10.2020	Seminar on Advances in Internal Combustion Engines		36	Seminar on Advances in Internal Combustion Engines
16.10.2020	Webinar on Embedded systems for EV Applications		10	Webinar on Embedded systems for EV Applications
25.11.2020	Workshop on ANSYS		36	Workshop on ANSYS
25.11.2020	Webinar on Hybrid Electric vehicle using Matlab and Simulink		10	Webinar on Hybrid Electric vehicle using Matlab and Simulink
09.12.2020	Professional Development Program On Research Methodology		36	Professional Development Program On Research Methodology
24.01.2021	Seminar on "Industry 4.0"		36	Seminar on "Industry 4.0"
08.02.2021	Seminar on "Wireless Broadband Communication"		24	Seminar on "Wireless Broadband Communication"
17.02.2021	Relation between cost and efficiency of turbines		17	Relation between cost and efficiency of turbines
15.03.2021	Seminar on Advances in Homogeneous Charge Compression Ignition Engines		36	Seminar on Advances in Homogeneous Charge Compression Ignition Engines
06.04.2021		Training on "Fire and safety awareness Program"	33	Training Fire and Safety
01.05.2021	Webinar on Art of Teaching Pedagogy		50	Webinar on Art of Teaching Pedagogy

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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program:** Seminar on "ADVANCES IN INTERNAL COMBUSTION ENGINES"

**Date:** 13.10.2020

**Time:** 04.00 pm – 05.00 pm


**Meeting Venue:** Mech Seminar Hall

**Program Coordinator:** Mr.P.Prabakaran,AP/MECHANICAL

**Resource Person:** Mr. AL. Karthikeyan, HOD/MECHANICAL

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

06.10.2020

This is to inform you that seminar on "ADVANCES IN INTERNAL COMBUSTION ENGINES" is being organized by the department of MECHANICAL for all the staff members. All are invited to join.


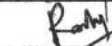

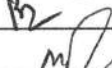
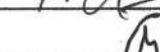

**Date:** 13.10.2020

**Time:** 04.00 pm to 05.00 pm

**Meeting Venue:** Mech Seminar Hall

**Resource Person:** Mr. AL. Karthikeyan, HOD/MECHANICAL

### Head of the Department:

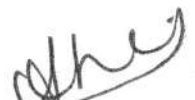
S.No.	Department	Signature
1	S&H	
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3	CSE	
4	ECE	
5	EEE	
6	MECH	

### Copy to:-

1. The Chairman / Secretary.
2. ALL HOD



Program Coordinator



Principal

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatthanallur, Tirunelveli - 627 358.

BROCHURE


**THAMIRABHARANI ENGINEERING COLLEGE**  
 (Approved by AICTE - New Delhi, Affiliated to Anna University, Chennai)  
 Thatthanallur, Tirunelveli, Tamilnadu - 627 358.

**IQAC & DEPARTMENT OF MECHANICAL ENGINEERING**  
**ORGANIZES**  
**SEMINAR ON "ADVANCES IN INTERNAL**  
**COMBUSTION ENGINE"**  
**"An IQAC Initiative"**  
**RESOURCE PERSON**

  
**Mr. AL. Karthikeyan.,**  
 Assistant Professor, Department of Mechanical,  
 Thamirabharani Engineering College.

**CHIEF PATRON**


**Mr. M. R. Paulraj,**  
 Chairman.


**Dr. A. Anna Lakshmi,**  
 Principal i/c.

**PATRON**

**COORDINATOR**


**Mr. P. Prabakaran,**  
 AP/Mech.

**Date: 13.10.2020 Time: 04.00 P. M. - 05.00 P. M.**  
**Venue: MECH Seminar Hall.**

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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## PHOTO



FIG:1 RECENT TRENDS IN INTERNAL COMBUSTION ENGINES

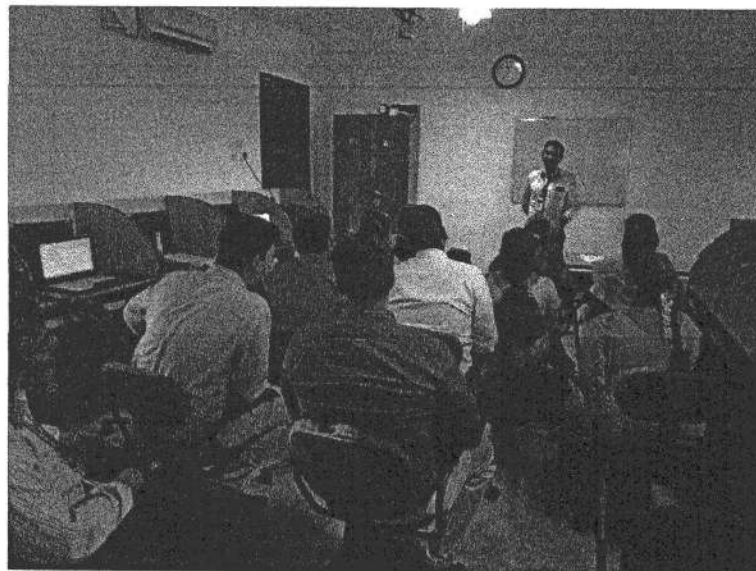


FIG:2 APPLICATION IN INTERNAL COMBUSTION ENGINES

*Whe*  
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# THAMIRABHARANI ENGINEERING COLLEGE

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## REPORT OF THE PROGRAM

1	<b>Program Name</b>	Seminar on advances in internal combustion engines.
2	<b>Date of program</b>	13.10.2020
3	<b>Resource person</b>	Mr. AL. Karthikeyan, HOD/MECHANICAL
4	<b>Participants</b>	24
5	<b>Objective of program</b>	The objective of the activity in this area takes two directions: optimization of processes in a combustion chamber and neutralization of exhaust gases.
6	<b>Program description</b>	<p>The program started with welcome address and introduction to the resource person by Mr.T.Subash, Assistant Professor of MECHANICAL Department. 24 faculty members attended the seminar. The resource person explained in detail about In this manuscript, research on hydrogen internal combustion engines is discussed. The objective of this project is to provide a means of renewable hydrogen based fuel utilization. The development of a high efficiency, low emissions electrical generator will lead to establishing a path for renewable hydrogen based fuel utilization. A full-scale prototype will be produced in collaboration with commercial manufacturers. The electrical generator is based on developed internal combustion engine technology. It is able to operate on many hydrogen-containing fuels. The efficiency and emissions are comparable to fuel cells (50% fuel to electricity, ~ 0 NOx). This electrical generator is applicable to both stationary power and hybrid vehicles. It also allows specific markets to utilize hydrogen economically and painlessly.</p> <p>The session concluded with an interactive session between the instructor and the Staff in which the queries of the staff were addressed satisfactorily. The session ended with vote of thanks by, Mr. P. Arumugam AP/MECHANICAL.</p>
7	<b>Outcome of this program</b>	The staff got knowledge on advances in internal combustion engines and its applications.

*Arumugam*  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## ATTENDANCE

S. No.	Student Name	Department	Signature
1	Dr. R. Rajakumari	S & H	R. Rajakumari
2	<del>Dr.</del> Mrs. A. Anna Lakshmi	CSE	A. Anna Lakshmi
3	Mr. S. Sundararaj	EEE	S. Sundararaj
4	Ms. P. Kanagavalli	S & H	P. Kanagavalli
5	Mr. S. Selvakumar	S & H	S. Selvakumar
6	Mr. A. Niyas Ahamed	ECE	A. Niyas Ahamed
7	Mr. R. Saravana Kumar	MECH	R. Saravana Kumar
8	Mrs. P. Saravanaselvi	ECE	P. Saravanaselvi
9	Mr. AL. Karthikeyan	MECH	AL. Karthikeyan
10	Mr. Shanmuga Priyan	CIVIL	Shanmuga Priyan
11	Mr. R. Jeeva	CSE	R. Jeeva
12	Ms. R. Kalavathi	S & H	R. Kalavathi
13	Mrs. G. Twinkle Geojini	CSE	G. Twinkle Geojini
14	Mr. V. Arunachalam	ECE	V. Arunachalam
15	Mr. Arumugakani	EEE	Arumugakani
16	Mrs. R. S. Bini	ECE	R. S. Bini
17	Mr. E. Subramanian	EEE	E. Subramanian
18	Mr. P. Arumugam	MECH	P. Arumugam
19	Mr. P. Prabhakaran	MECH	P. Prabhakaran
20	Mrs. C. Petchiammal	S & H	C. Petchiammal
21	Mr. T. Subash	MECH	T. Subash
22	Mrs. G. Durga Devi	CSE	G. Durga Devi
23	Mr. M. Ram nath	CSE	M. Ram nath
24	Mrs. Kavitha	ECE	Mrs. Kavitha

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# THAMIRABHARANI ENGINEERING COLLEGE

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**Name of the Program** : Webinar on "EMBEDDED SYSTEMS FOR EV APPLICATIONS"  
**Date** : 16.10.2020  
**Time** : 01.00 pm – 03.00pm  
**Meeting Platform** : Google Meet  
**Meeting Link** : <https://meet.google.com/qrr-qecz-ahy>  
**Program Coordinator** : Mrs. S. Nazrin Salma, AP/EEE  
**Resource Person** : Mr. S. ArumugaKani,  
 Assistant Professor,  
 Department of EEE,  
 Thamirabharani engineering college,  
 Tirunelveli.

## INDEX

Sl.No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

Date : 12.10.2020

This is to inform you that an interdepartmental webinar on “**EMBEDDED SYSTEMS FOR EV APPLICATIONS**” is being organized by the department of EEE for the staff members. All are invited to join.

**Date** : 16.10.2020  
**Time** : 01.00 p.m. to 03.00 p.m.  
**Meeting Platform** : Google Meet  
**Resource Person** : Mr. S. ArumugaKani,  
 Assistant Professor,  
 Department of EEE,  
 Thamirabharani engineering college,  
 Tirunelveli.

### Head of the Department:

S.No.	Department	Signature
1	S&H	
2	CIVIL	
3	CSE	
4	ECE	
5	EEE	
6	MECH	

### Copy to :-

1. The Chairman / Secretary.
2. All HOD

Program Coordinator

Principal  
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# THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE- New Delhi, Affiliated to Anna University, Chennai.)

Thatchanallur, Tirunelveli-627358.

Department of Electrical and Electronics Engineering

## Webinar on Embedded systems for EV applications

Resource Person

Mr. S. Arumuga Kani, M.E. ,

Assistant Professor / EEE,

Thamirabharani Engineering College, Tirunelveli.

Chief Patron

Mr. M. R. Paulraj,  
Chairman.

Patron

Mr. A. Annalakshmi  
Principal I/c.

Convenor

Dr. B. Rampriya,  
HoD / EEE.

Coordintor

Mrs. S. Nazrin Salma,  
AP / EEE.

Date: 16.10.2020

Time: 01.00 pm – 03.00 pm

Meeting link: <https://meet.google.com/qrr-qecz-ahy>


  
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PHOTO  
SCREENSHOTS

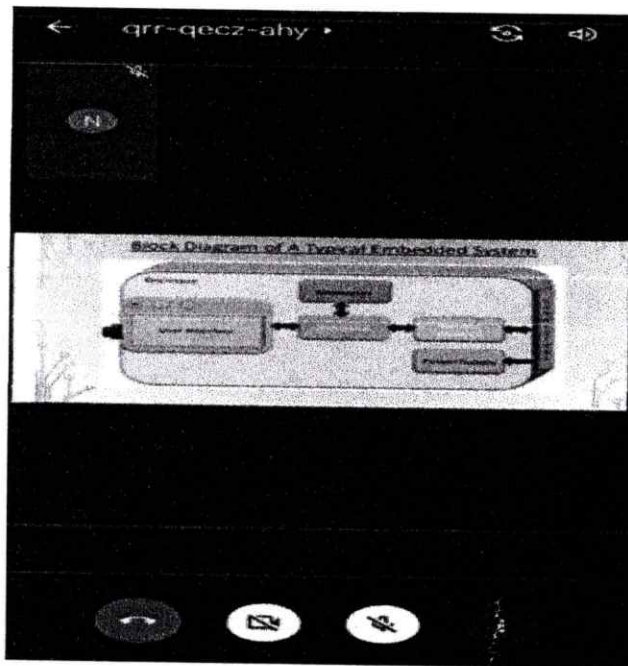
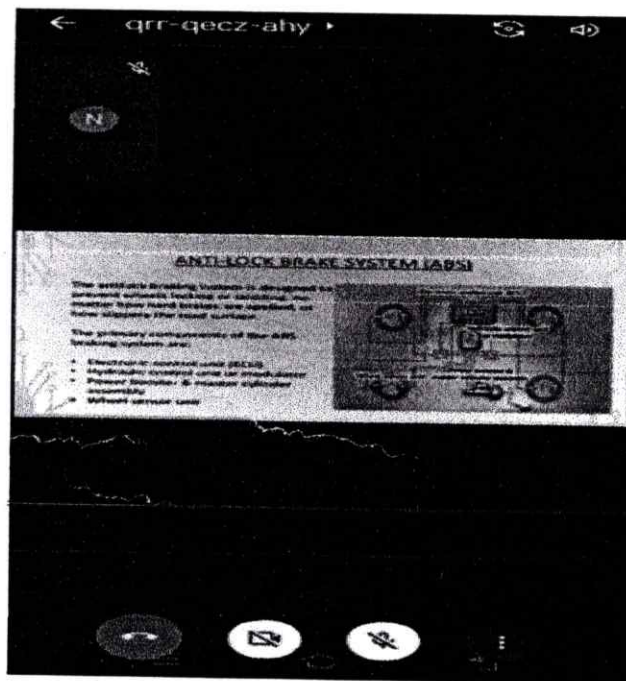


Figure 1: Course Delivery



(b) Course Delivery

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# THAMIRABHARANI ENGINEERING COLLEGE

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## REPORT OF THE PROGRAM

1	Program Name	Webinar on embedded systems for EV applications.
2	Date of program	16.10.2020
3	Resource person:	Mr. S. ArumugaKani
4	Participants	10
5	Objective of program	The main objective of the webinar is to give a clear insight to the staff on embedded systems for EV applications.
6	Program description	The program started with a welcome address and introduction to the resource person by Mr. E. Perumal, AP/EEE. 10 faculty members of the EEE department attended the webinar. The resource person explained in detail about embedded systems for electric vehicle applications. Resource person started with the absolute basics of embedded systems and he discussed application of embedded systems in electric vehicles. Towards the end he briefed about the software design techniques that are followed within conventional automation systems domain. The session concluded with an interactive session between the instructor and the staff in which the queries of the teachers were addressed satisfactorily. The session was very clear, understandable and informative. The session ended with a vote of thanks by the program coordinator, Mrs. S. Nazrin Salma, AP/EEE.
	Outcome of this program	The staff gained knowledge on embedded systems for EV applications.

Program coordinator

Principal

  
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**ATTENDANCE & FEEDBACK**

Microsoft Excel - Untitled form (Responses)

1	A	B	C	D	E	F	G	H
1	Email Address	Name	Designation	NAME OF INSTITUTION (How helpful the session was)	Have you understand the	Any suggestions you would like	What is your level of satisfaction for this	
2	perumale74@gmail.com	PERUMALE	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes	Informative session	3
3	man6788@gmail.com	MARIMUTHU A	Staff	Thamirabharani engineering college	Extremely Helpful	Yes	Super	3
4	subujohn1990@gmail.com	SUBRAMANIAN E	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes		3
5	salmianaznin@gmail.com	Naznin Salma S	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	No	3
6	kavyasundar66@gmail.com	S. Sundararaj	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	Nil	3
7	mmmm.marikannan@gmail.com	M. Marikannan	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes		3
8	rampriya79@gmail.com	B. Rampriya	Staff	Thamirabharani engineering college	Extremely Helpful	Yes	No	3
9	mskan3@gmail.com	S. Arumuga Kani	Staff	THAMIRABHARANI ENGINEERING COLLEGE		Yes	Informative session	3
10	anularsathya@gmail.com	S. Anushiya	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes		3
11	sehsaramee18@gmail.com	P. Saravana Saini	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	The session was very use	3
12								
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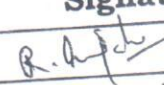
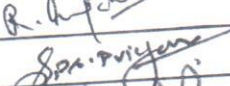
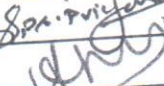



## CIRCULAR

Date : 20.11.2020

This is to inform you that a seminar on "WORKSHOP ON ANSYS" is being organized by the department of Mechanical for Civil and Mechanical staff members. All are invited to join.

Date : 25.11.2020  
 Time : 03.00 p.m. – 04.00 p.m.  
 Meeting Venue : Mech Seminar Hall  
 Resource Person : Mr. M.A. Raja, AP/CIVIL


### Head of the Department:

S.No.	Department	Signature
1	S&H	
2	CIVIL	
3	CSE	
4	ECE	
5	EEE	
6	MECH	

### Copy to :-

1. The Chairman / Secretary.
2. All HOD

  
 Program Coordinator

  
 Principal

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : Seminar on "WORKSHOP ON ANSYS"  
**Date** : 25.11.2020  
**Time** : 03.00 p.m. – 04.00 p.m.  
**Meeting Venue** : Mech Seminar Hall  
**Program Coordinator** : Mr. R. Saravana Kumar, AP/MECH  
**Resource Person** : Mr. M.A. Raja, AP/CIVIL

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

  
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PHOTO

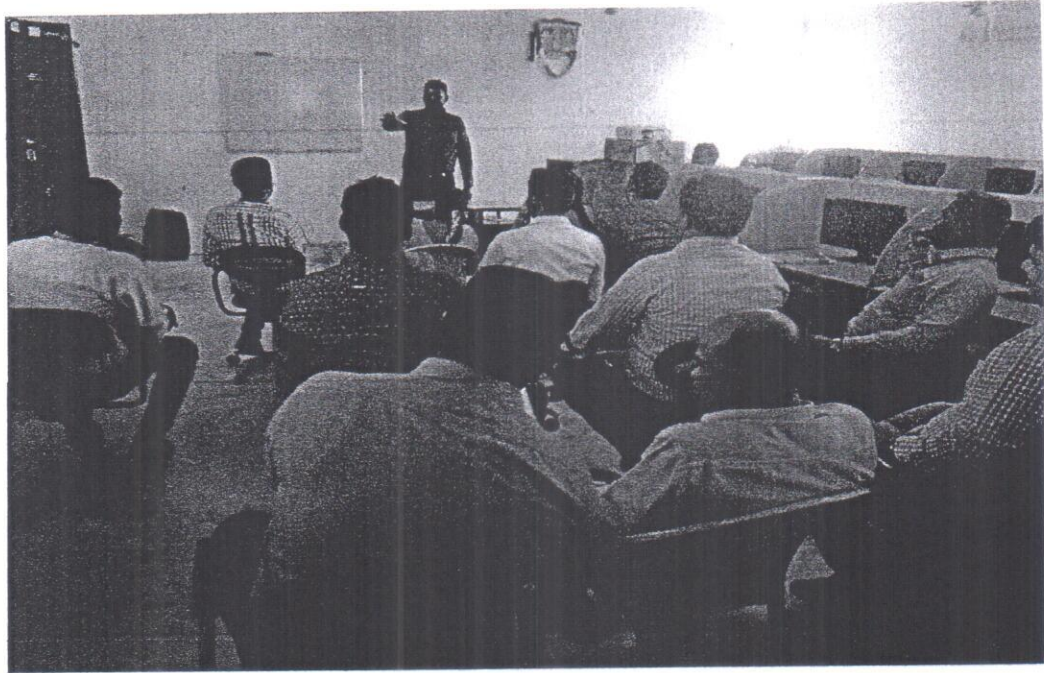


Figure.1. At The Time of Presentation



Figure.2. Interaction session

*Handwritten signature in green ink*  
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Chidambaranagar - Vepenkulam Road,  
Thatchanallur, Tirunelveli - 627 358.



REPORT OF THE PROGRAM

1	Program Name	Seminar on Workshop On Ansys.
2	Date of program	25.11.2020
3	Resource person:	Mr. M. A. Raja, AP/CIVIL
4	Participants	14
5	Objective of program	The objective of the Ansys Mechanical finite element analysis software is used to simulate computer models of structures, electronics, or machine components for analyzing strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes..
6	Program description	<p>The program started with a welcome address and introduction to the resource person by Mr.AL. Karthikeyan, Assistant Professor and HOD of MECHANICAL Department. 14 faculty members attended the seminar. The resource person explained in detail about Ansys Mechanical finite element analysis software is used to simulate computer models of structures, electronics, or machine components for analyzing strength, toughness, elasticity, temperature distribution, electromagnetism, fluid flow, and other attributes..</p> <p>The session concluded with an interactive session between the instructor and the Staff in which the queries of the staff were addressed satisfactorily. The session ended with vote of thanks by, Mr. P. Prabakaran AP/MECHANICAL</p>
7	Outcome of this program	The staff got knowledge on Workshop On Ansys.and its applications.



Program Coordinator



Principal



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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : Webinar on "HYBRID ELECTRIC VEHICLE USING MATLAB AND SIMULINK"

**Date** : 25.11.2020

**Time** : 01.15 p.m. – 03.00 p.m.

**Meeting Platform** : Google Meet

**Meeting Link** : <https://meet.google.com/cqb-tpja-jov>

**Program Coordinator** : Mr. A. Marimuthu, AP/EEE

**Resource Person** : Mrs. S. Nazrin Salma,  
Assistant Professor,  
Department of EEE,  
Thamirabharani engineering college,  
Tirunelveli.

## INDEX

Sl.No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

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2

**THAMIRABHARANI ENGINEERING COLLEGE**  
Thatchanallur, Tirunelveli - 627 358.

CIRCULAR

Date : 20.11.2020

This is to inform you that an interdepartmental webinar on “HYBRID ELECTRIC VEHICLE USING MATLAB AND SIMULINK” is being organized by the department of EEE for the staff members. All are invited to join.

**Date** : 25.11.2020  
**Time** : 01.15 p.m. to 03.00 p.m.  
**Meeting Platform** : Google Meet  
**Resource Person** : Mrs. S. Nazrin Salma,  
Assistant Professor,  
Department of EEE,  
Thamirabharani engineering college,  
Tirunelveli.

**Head of the Department:**

S.No.	Department	Signature
1	S&H	R. S. S.
2	CIVIL	M. S. S.
3	CSE	S. S. S.
4	ECE	B. S. S.
5	EEE	S. S. S.
6	MECH	

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2. All HOD

  
**Program Coordinator**

  
**Principal**

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## BROCHURE



# THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE- New Delhi, Affiliated to Anna University, Chennai.)

Thatchanallur, Tirunelveli-627358.

Department of Electrical and Electronics Engineering

## Webinar on Hybrid Electric Vehicle using MATLAB and Simulink

Resource Person

Mrs. S. Nazrin Salma, M.E., (Ph.D.),

Assistant Professor / EEE,

Thamirabharani Engineering College, Tirunelveli.

Chief Patron

Mr. M. R. Paulraj,  
Chairman.

Patron

Mrs. A. Annalakshmi  
Principal I/c.

Convenor

Mr. M. Palpandian,  
HoD / EEE.

Coordintor

Mr. A. Marimuthu,  
AP / EEE.

Date: 25.11.2020

Time: 01.15 pm – 03.00 pm

Meeting  
link: <https://meet.google.com/cqb-tpja-jov>

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Chathirampudukulam Village,  
Chidambaranagar - Vepemkulam Road.  
Thatchanallur, Tirunelveli - 627 358.

# PHOTO SCREENSHOTS

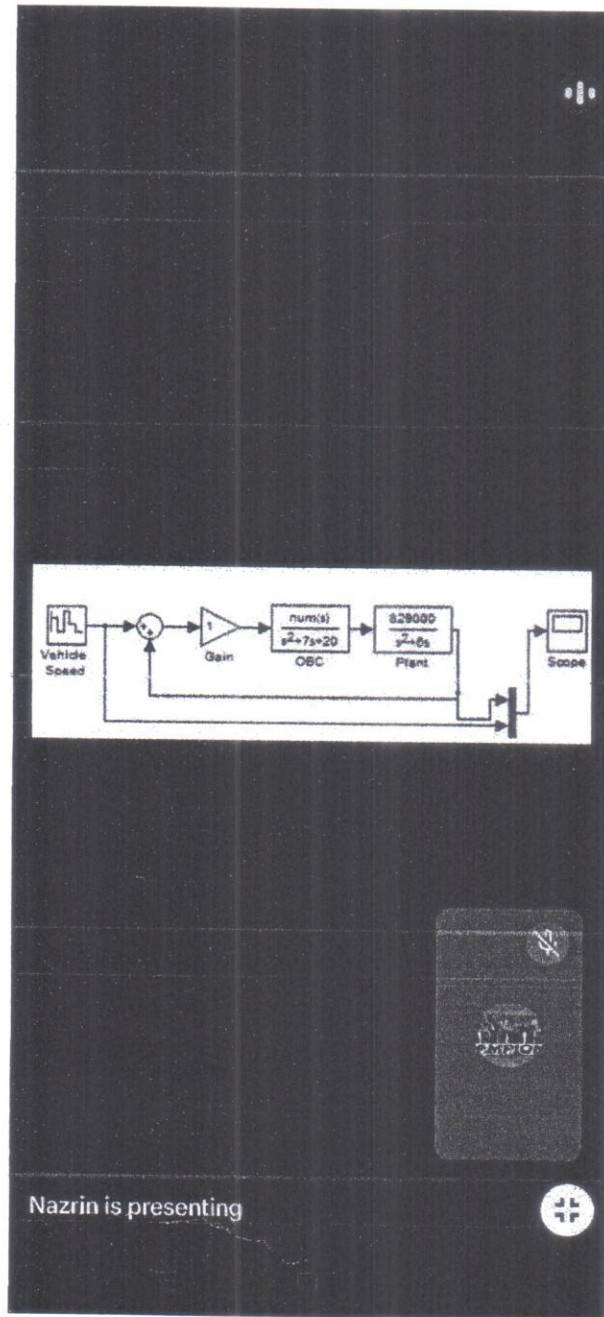


Figure.1. Course Delivery

*Shei*  
PRINCIPAL  
THAMIRABHARANI ENGINEERING COLLEGE  
Chathirampudukulam Village,  
Chidambaranagar - Vepemkulam Road.  
Thatchanallur, Tirunelveli - 627 353.

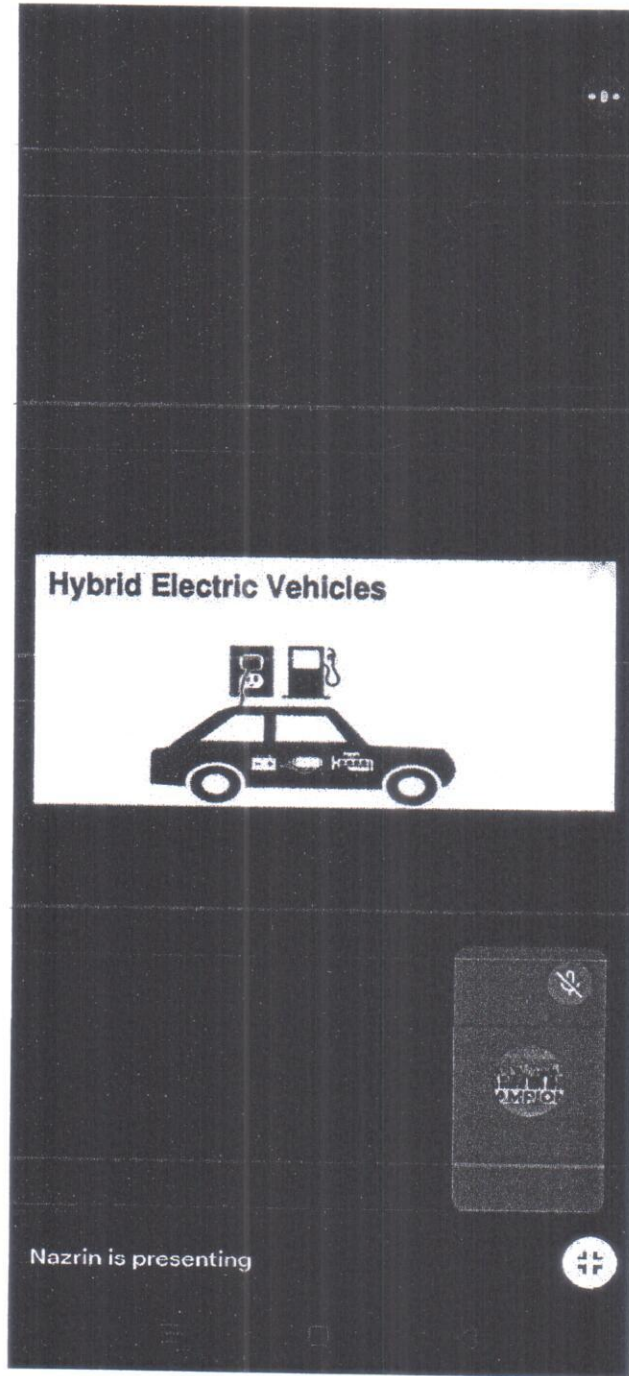


Figure.2. Course Delivery

*Nazrin*  
**PRINCIPAL**  
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Chidambaranagar - Vepemkulam Road,  
Thatchanailur, Tirunelveli - 627 358.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## REPORT OF THE PROGRAM

1	<b>Program Name</b>	Webinar on Hybrid Electric Vehicle using MATLAB and Simulink.
2	<b>Date of program</b>	25.11.2020
3	<b>Resource person:</b>	Mrs. S. Nazrin Salma
4	<b>Participants</b>	10
5	<b>Objective of program</b>	The main objective of the webinar is to give a clear insight to the staffs on the topic Hybrid Electric Vehicle using MATLAB and Simulink
6	<b>Program description</b>	The program started with a welcome address and introduction to the resource person by Mr. S. ArumugaKani, AP/EEE. 10 faculty members of EEE department attended the webinar. The resource person explained in detail about the topic Hybrid Electric Vehicle using MATLAB and Simulink. Resource person started with the absolute basics of Hybrid Electric Vehicle and he discussed about technical considerations to minimize the mechanical and electrical power losses, as well as maximizing the energy absorption from the braking system. Towards the end he briefed about the MATLAB/Simulink based software used for simulation and analysis of Hybrid Electric Vehicle. The session concluded with an interactive session between the instructor and the staff in which the queries of the teachers were addressed satisfactorily. The session was very clear, understandable and informative. The session ended with a vote of thanks by the program coordinator, Mr. A. Marimuthu, AP/EEE.
7	<b>Outcome of this program</b>	The staff gained knowledge on Hybrid Electric Vehicle using MATLAB and Simulink

Program Coordinator

Principal

THAMIRABHARANI ENGINEERING COLLEGE  
Chathirampudukulam Village,  
Chidambaranagar - Venemkulam Road.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## ATTENDANCE & FEEDBACK

Untitled form (Responses) - Microsoft Excel

1	A	B	C	D	E	F	G	H
	Email Address	Name	Designation	NAME OF INSTITUTION/ How helpful the session was	Have you understand the	Any suggestions you you	What is your level of satisfaction for the	
2	lampriya78@gmail.com	B. Ramprya	Staff	Thamirabharani engineering	Extremely Helpful	Yes	No	3
3	perumia74@gmail.com	PERUMIAL E	Staff	THAMIRABHARANI ENGI	Extremely Helpful	Yes	Informative session	3
4	mans6788@gmail.com	MARIMUTHUA	Staff	Thamirabharani engineering	Extremely Helpful	Yes	Super	3
5	selvisaramen18@gmail.com	P. Saravana Selvi	Staff	Thamirabharani engineering	Extremely Helpful	Yes	The session was very use	3
6	Subujohn1990@gmail.com	SUBRAMANIAN E	Staff	THAMIRABHARANI ENGI	Extremely Helpful	Yes		3
7	mskani3@gmail.com	S. Arumuga Kani	Staff	THAMIRABHARANI ENGINEERING COLLEGE		Yes	Informative session	3
8	anushahya@gmail.com	S. Anushya	Staff	THAMIRABHARANI ENGI	Extremely Helpful	Yes	No	3
9	kavyasundar8@gmail.com	S. Sundararaj	Staff	Thamirabharani engineering	Extremely Helpful	Yes	Informative session	3
10	sarmanazrin@gmail.com	Nazrin Salma S	Staff	Thamirabharani Engineering	Extremely Helpful	Yes	Super	3
11	mimimankannan@gmail.com	M. Mankannan	Staff	Thamirabharani Engineering	Extremely Helpful	Yes	The session was very use	3
12								
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25								

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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : Webinar on "EMBEDDED SYSTEMS FOR EV APPLICATIONS"  
**Date** : 16.10.2020  
**Time** : 01.00 pm – 03.00pm  
**Meeting Platform** : Google Meet  
**Meeting Link** : <https://meet.google.com/qrr-qecz-ahy>  
**Program Coordinator** : Mrs. S. Nazrin Salma, AP/EEE  
**Resource Person** : Mr. S. ArumugaKani,  
 Assistant Professor,  
 Department of EEE,  
 Thamirabharani engineering college,  
 Tirunelveli.

## INDEX

Sl.No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

  
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**THAMIRABHARANI ENGINEERING COLLEGE**  
Thatchanallur, Tirunelveli - 627 358.

**CIRCULAR**

Date : 12.10.2020

This is to inform you that an interdepartmental webinar on “**EMBEDDED SYSTEMS FOR EV APPLICATIONS**” is being organized by the department of EEE for the staff members. All are invited to join.

**Date** : 16.10.2020  
**Time** : 01.00 p.m. to 03.00 p.m.  
**Meeting Platform** : Google Meet  
**Resource Person** : Mr. S. ArumugaKani,  
 Assistant Professor,  
 Department of EEE,  
 Thamirabharani engineering college,  
 Tirunelveli.

**Head of the Department:**

S.No.	Department	Signature
1	S&H	
2	CIVIL	
3	CSE	
4	ECE	
5	EEE	
6	MECH	

**Copy to :-**

1. The Chairman / Secretary.
2. All HOD

Program Coordinator

Principal  
**PRINCIPAL**  
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 Thatchanallur, Tirunelveli - 627 358.

## BROCHURE



# THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE- New Delhi, Affiliated to Anna University, Chennai.)

Thatchanallur, Tirunelveli- 627358.

Department of Electrical and Electronics Engineering

## Webinar on Embedded systems for EV applications

Resource Person

Mr. S. Arumuga Kani, M.E. ,

Assistant Professor / EEE,

Thamirabharani Engineering College, Tirunelveli.

Chief Patron

Mr. M. R. Paulraj,  
Chairman.

Patron

Mr. A. Annalakshmi  
Principal I/c.

Convenor

Dr. B. Rampriya,  
HoD / EEE.

Coordintor

Mrs. S. Nazrin Salma,  
AP / EEE.

Date:	16.10.2020
Time:	01.00 pm – 03.00 pm
Meeting link:	<a href="https://meet.google.com/qrr-qecz-ahy">https://meet.google.com/qrr-qecz-ahy</a>

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Chidambaranagar - Vepemkulam Road.  
Thatchanallur, Tirunelveli - 627 358.

PHOTO  
SCREENSHOTS

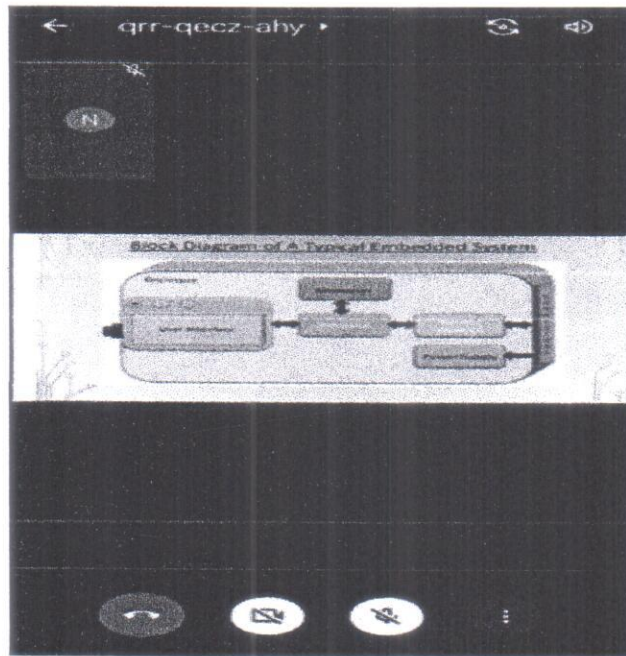
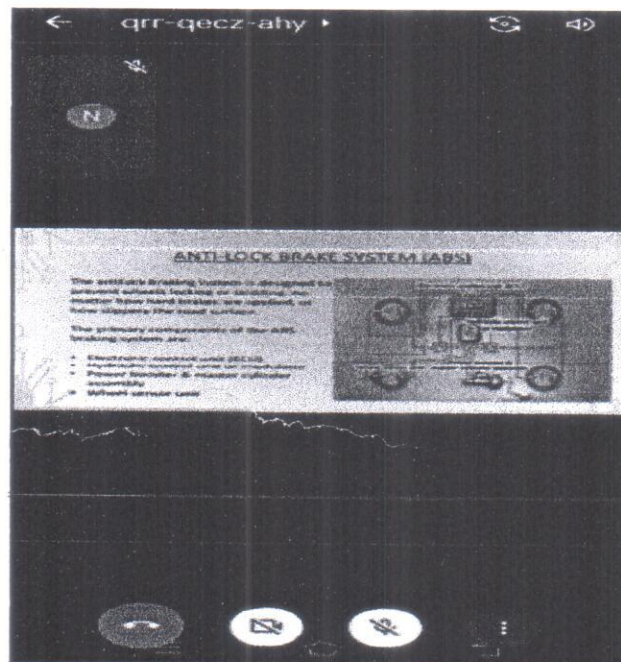


Figure 1: Course Delivery



(b) Course Delivery

*ahy*  
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 Chidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## REPORT OF THE PROGRAM

1	<b>Program Name</b>	Webinar on embedded systems for EV applications.
2	<b>Date of program</b>	16.10.2020
3	<b>Resource person:</b>	Mr. S. ArumugaKani
4	<b>Participants</b>	10
5	<b>Objective of program</b>	The main objective of the webinar is to give a clear insight to the staff on embedded systems for EV applications.
6	<b>Program description</b>	The program started with a welcome address and introduction to the resource person by Mr. E. Perumal, AP/EEE. 10 faculty members of the EEE department attended the webinar. The resource person explained in detail about embedded systems for electric vehicle applications. Resource person started with the absolute basics of embedded systems and he discussed application of embedded systems in electric vehicles. Towards the end he briefed about the software design techniques that are followed within conventional automation systems domain. The session concluded with an interactive session between the instructor and the staff in which the queries of the teachers were addressed satisfactorily. The session was very clear, understandable and informative. The session ended with a vote of thanks by the program coordinator, Mrs. S. Nazrin Salma, AP/EEE.
	<b>Outcome of this program</b>	The staff gained knowledge on embedded systems for EV applications.

Program coordinator

Principal

  
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Thatchanallur, Tirunelveli - 627 358.



**THAMIRABHARANI ENGINEERING COLLEGE**  
Thatchanallur, Tirunelveli - 627 358.

**ATTENDANCE & FEEDBACK**

Microsoft Excel - Untitled form (Responses)

A	B	C	D	E	F	G	H
Email Address	Name	Designation	NAME OF INSTITUTION/How helpful the session is	Have you understand the	Any suggestions you would like to give	What is your level of satisfaction for this session	
perumale74@gmail.com	PERUMAL E	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes	informative session	3
man679@gmail.com	MARIMUTHUJA	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	Super	3
subujohn1990@gmail.com	SUBRAMANIAN E	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes		3
salmanazrin@gmail.com	Nazrin Salma S	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	No	3
kavyasundar66@gmail.com	S. Sundararaj	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	Nil	3
mm.mariakannan@gmail.com	M. Mariakannan	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes		3
rampriya79@gmail.com	B. Rampriya	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	No	3
mskanid@gmail.com	S. Anumuga Kani	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes	Informative session	3
anulansaihya@gmail.com	S. Anushiya	Staff	THAMIRABHARANI ENGINEERING COLLEGE	Extremely Helpful	Yes		3
sethsaramtee18@gmail.com	P. Saravana Selvi	Staff	Thamirabharani Engineering College	Extremely Helpful	Yes	The session was very use	3

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Thatchanallur, Tirunelveli - 627 358.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : PROFESSIONAL DEVELOPMENT PROGRAM ON RESEARCH  
METHODOLOGY

**Date** : 09. 12. 2020

**Time** : 3.00 p.m. – 4. 00 p.m.

**Meeting Venue** : Main computer laboratory

**Program Coordinator** : Mrs. M. Sameem Suha, M. E.,  
Assistant Professor

**Resource Person** : Dr. A. Anna Lakshmi, M. E., Ph. D.,  
Principal I/C

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

*(Signature)*  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

Date : 04.12.2020

This is to inform you that a seminar on "PROFESSIONAL DEVELOPMENT PROGRAM ON RESEARCH METHODOLOGY" is being organized by the department of CIVIL for all the staff members. All are invited to join.

**Date** : 09. 12. 2020  
**Time** : 3. 00 p.m. – 4. 00 p.m.  
**Meeting Venue** : Main computer lab  
**Resource Person** : Dr. A. Anna Lakshmi, M. E., Ph. D.,  
 Principal I/C

### Head of the Department:

S.No.	Department	Signature
1	S&H	<i>R. Rajesh</i>
2	CIVIL	<i>Sps. Priyanka</i>
3	CSE	<i>ahy</i>
4	ECE	<i>ahy</i>
5	EEE	<i>ahy</i>
6	MECH	<i>ahy</i>

### Copy to :-

1. The Chairman / Secretary.
2. All HOD

*Saneem*  
 Program Coordinator

*ahy*  
 Principal

*ahy*  
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 Chidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.



# BROCHURE



**THAMIRABHARANI ENGINEERING COLLEGE**

Thatchanallur, Tirunelveli - 627 358.

## DEPARTMENT OF CIVIL

### PROFESSIONAL DEVELOPMENT PROGRAM ON RESEARCH METHODOLOGY

#### Resource Person

**Dr. A. Anna Lakshmi, M. E., Ph. D.,**  
Associate Professor,  
Department of CSE,  
Thamirabharani Engineering College,  
Tirunelveli.

#### Chief Patron

**Mr. M. R. Paulraj**  
Chairman

#### Patron

**Dr. A. Anna Lakshmi**  
Principal I/C

#### Coordinator

**Mrs. M. Sameem Suha, M. E.,**

**DATE : 09.12.2020    TIME : 03.00 p.m. – 4.00 p.m    VENUE : CSE Main Lab**

  
**PRINCIPAL**  
**THAMIRABHARANI ENGINEERING COLLEGE**  
Chathirampudukulam Village,  
Chidambaranagar - Vepemkulam Road,  
Thatchanallur, Tirunelveli - 627 358.

PHOTO



Figure.1.Speech by Resource Person



Figure.2. Resource Person Explain about **PRIN** **ABHARANI ENGINEERING** **Mathdukulam Village,** **Madhavaram Road.**



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : Seminar on "INDUSTRY 4.0"  
**Date** : 24.01.2021  
**Time** : 03.00 p.m. – 04.00 p.m.  
**Meeting Venue** : CSE Main Lab  
**Program Coordinator** : Mr. AL. Karthikeyan, HOD/MECH  
**Resource Person** : Mr. M. Harris Simon, AP/MECH

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

*dhya*  
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 Chidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.



**THAMIRABHARANI ENGINEERING COLLEGE**  
Thatchanallur, Tirunelveli - 627 358.

**CIRCULAR**

Date : 20.01.2021

This is to inform you that a seminar on "INDUSTRY 4.0" is being organized by the department of Mechanical for all the staff members. All are invited to join.

**Date** : 24.01.2021  
**Time** : 03.00 p.m. – 04.00 p.m.  
**Meeting Venue** : CSE Main Lab  
**Resource Person** : Mr. M. Harris Simon, AP/MECH

**Head of the Department:**

S.No.	Department	Signature
1	S&H	R. Rajan
2	CIVIL	S.P.A. Princy
3	CSE	[Signature]
4	ECE	[Signature]
5	EEE	[Signature]
6	MECH	[Signature]

**Copy to:-**

1. The Chairman / Secretary.
2. All HOD

  
Program Coordinator

  
Principal

  
PRINCIPAL  
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## BROCHURE



# THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE - New Delhi, Affiliated to Anna University, Chennai)  
Thatchanallur, Tirunelveli, Tamilnadu - 627 358.

## IQAC & DEPARTMENT OF MECHANICAL ENGINEERING ORGANIZES

### SEMINAR ON "INDUSTRY 4.0"

"An IQAC Initiative"

RESOURCE PERSON



Mr. M. Harris Simon, M. E.,  
Assistant Professor, Department of Mechanical,  
Thamirabharani Engineering College.

**CHIEF PATRON**



Mr. M. R. Paulraj,  
Chairman.

**PATRON**



Dr. A. Anna Lakshmi,  
Principal i/c.

**COORDINATOR**



Mr. AL. Karthikeyan  
AP/Mech.

Date: 24.01.2021 Time: 03.00 P. M. - 04.00 P. M.

Venue: CSE Main Lab.

*Handwritten signature in green ink*  
PRINCIPAL  
THAMIRABHARANI ENGINEERING COLLEGE  
Chatthirampudukulam Village,  
Chidambaranagar - Vepemkulam Road,  
Thatchanallur, Tirunelveli - 627 358.

PHOTO



Figure.1. Explain about Industry 4.0

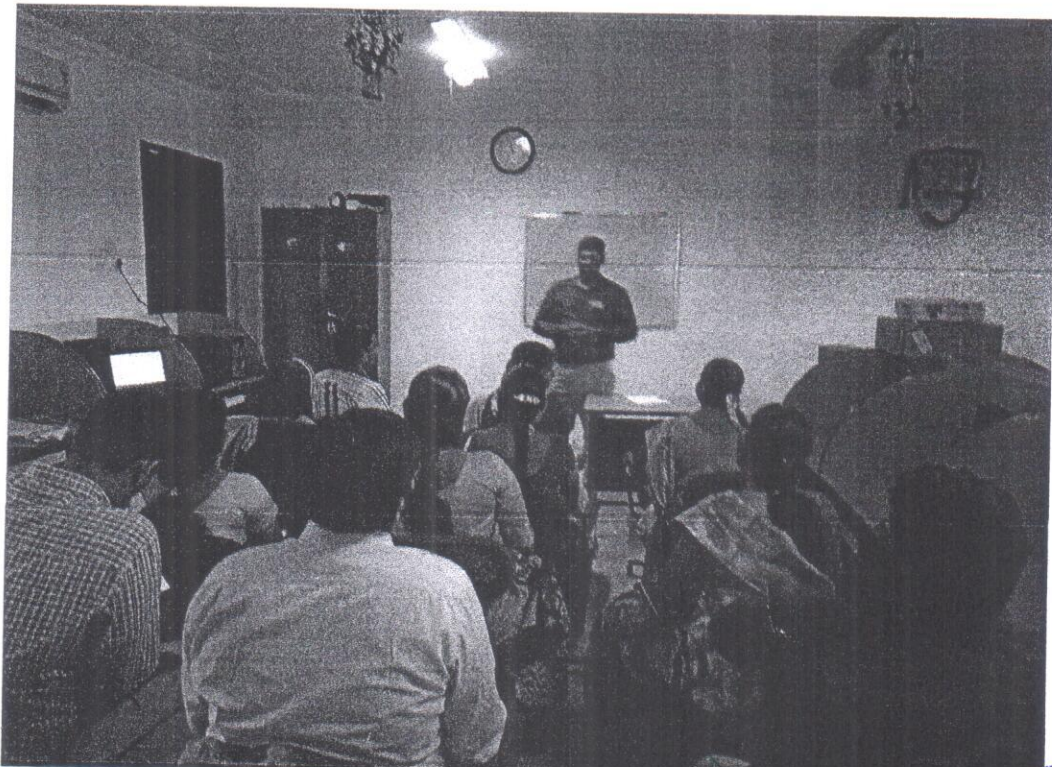


Figure.2. Query Session

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Tirunelveli - 627 358.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## REPORT OF THE PROGRAM

1	<b>Program Name</b>	Seminar on INDUSTRY 4.0.
2	<b>Date of program</b>	24.01.2021
3	<b>Resource person:</b>	Mr. M. Harris Simon, AP/MECH
4	<b>Participants</b>	36
5	<b>Objective of program</b>	The objective of The essential goal of Industry 4.0 is to make manufacturing and related industries such as logistics faster, more efficient and more customer-centric, while at the same time going beyond automation and optimization and detect new business opportunities and models.
6	<b>Program description</b>	The program started with a welcome address and introduction to the resource person by Mr.AL. Karthikeyan, Assistant Professor and HOD of MECHANICAL Department. 36 faculty members attended the seminar. The resource person explained in detail about Industry 4.0 is driving faster and more flexible production, with increasing levels of customization. Taken to an extreme, seamless production systems should be capable of switching out of serial processes to manufacture a single part just as quickly and efficiently as they can make multiple parts. The session concluded with an interactive session between the instructor and the Staff in which the queries of the staff were addressed satisfactorily. The session ended with a vote of thanks by Mr. P. Prabakaran AP/MECHANICAL.
7	<b>Outcome of this program</b>	The staff got knowledge on industry 4.0 and its applications.

Program Coordinator

PRINCIPAL  
 THAMIRABHARANI ENGINEERING COLLEGE,  
 Chathirampudukulam Village,  
 Shidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.

2020



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## ATTENDANCE

S No	NAME	FEEDBACK	SIGNATURE
1	P. Saravaneselvi	OK	P. Saravaneselvi
2	M. Pannath Appala	Good	M. Pannath Appala
3	R. Kalavathi	OK	R. Kalavathi
4	R. Saranya	Good	R. Saranya
5	G. Duraga Devi	Very Good	G. Duraga Devi
6	G. Poojitha Geetha	OK	G. Poojitha Geetha
7	P. Arumugam	OK	P. Arumugam
8	P. Kanagarathi	OK	P. Kanagarathi
9	S. Ponsundari	OK	S. Ponsundari
10	D. G. David, csc	Good	D. G. David, csc
11	A. Anna Dashtan	OK	A. Anna Dashtan
12	M. SUGANTHA	Good	M. SUGANTHA
13	M. Moutannan	Good	M. Moutannan
14	S. R. Samkingsley	Good	S. R. Samkingsley
15	R. Subramanian	OK	R. Subramanian
16	R. Saravanan Kumar	OK	R. Saravanan Kumar
17	S. Sundaraj	Good	S. Sundaraj
18	AL. KARTHIKEYAN	OK	AL. KARTHIKEYAN
19	S. Arun Kumar	OK	S. Arun Kumar
20	BINI R. S.	OK	BINI R. S.
21	T. Subash	Good	T. Subash
22	Dr. R. Rajakumari	Good	Dr. R. Rajakumari
23	S. Selvakumar	Good	S. Selvakumar

(2)

PRINCIPAL  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program:** Seminar on "WIRELESS BROADBAND COMMUNICATION"

**Date:** 08.02.2021


**Time:** 10.00 am – 12.00 pm

**Program Coordinator:** Mr. R. Ramar kalangiyam, AP/ECE

**Resource Person:** Mr. S. R. Sam Kingsley,  
Assistant Professor,  
Department of ECE,  
Thamirabharani Engineering College,  
Tirunelveli.

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance	6

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

04.02.2021

This is to inform you that an interdepartmental seminar on "WIRELESS BROADBAND COMMUNICATION" is being organized jointly by IQAC and department of ECE for all faculty members. All are invited to attend this program.

**Date:** 08.02.2021  
**Time:** 10.00 am – 12.00 pm  
**Meeting Venue:** Microprocessor Laboratory  
**Resource Person:** Mr. S. R. Sam Kingsley,  
Assistant Professor,  
Department of ECE,  
Thamirabharani Engineering College,  
Tirunelveli.

### To read in all department:

Sl. No.	Department	Signature
1	CIVIL	
2	CSE	
3	ECE	
4	EEE	
5	MECH	
6	S&H	

### Copy to:-

1. The Chairman / Secretary.
2. The Principal
3. ALL HODs
4. Office
5. Notice Board

Program Coordinator

**PRINCIPAL**  
THAMIRABHARANI ENGINEERING COLLEGE  
Chathirampudukulam Village,  
Chidambaranagar - Vepenkulam Road,  
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**BROCHURE**



# THAMIRABHARANI ENGINEERING COLLEGE

(Approved by AICTE - New Delhi, Affiliated to Anna University, Chennai)  
Thatchanallur, Tirunelveli, Tamilnadu - 627 358

## IQAC & DEPARTMENT OF ECE ORGANIZES

### SEMINAR ON "WIRELESS BROADBAND COMMUNICATION"

#### RESOURCE PERSON

Mr. R. Sam Kingsley, M. E., (Ph. D).,  
Assistant professor, Department of ECE,  
Thamirabharani Engineering College.

#### CHIEF PATRON



Mr. M. R. Paulraj,  
Chairman.

#### PATRON



Dr. A. Anna Lakshmi,  
Principal i/c.

#### COORDINATOR



Mr. R. Ramar Kalangiyam,  
AP/ECE.

Date: 08.02.2021 Time: 10.00 A. M. - 12.00 P. M.

Venue: Microprocessor Laboratory.

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PHOTOS

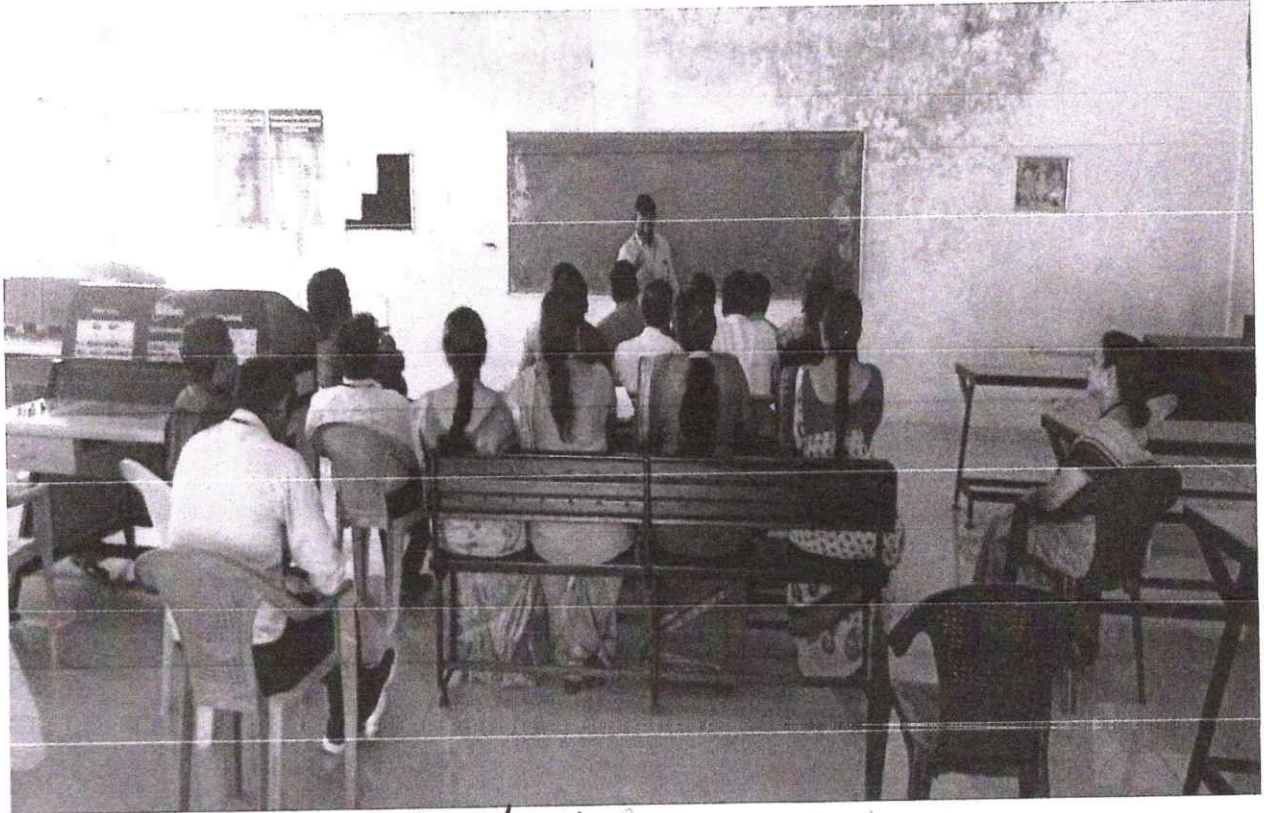


Fig.1 Introduction

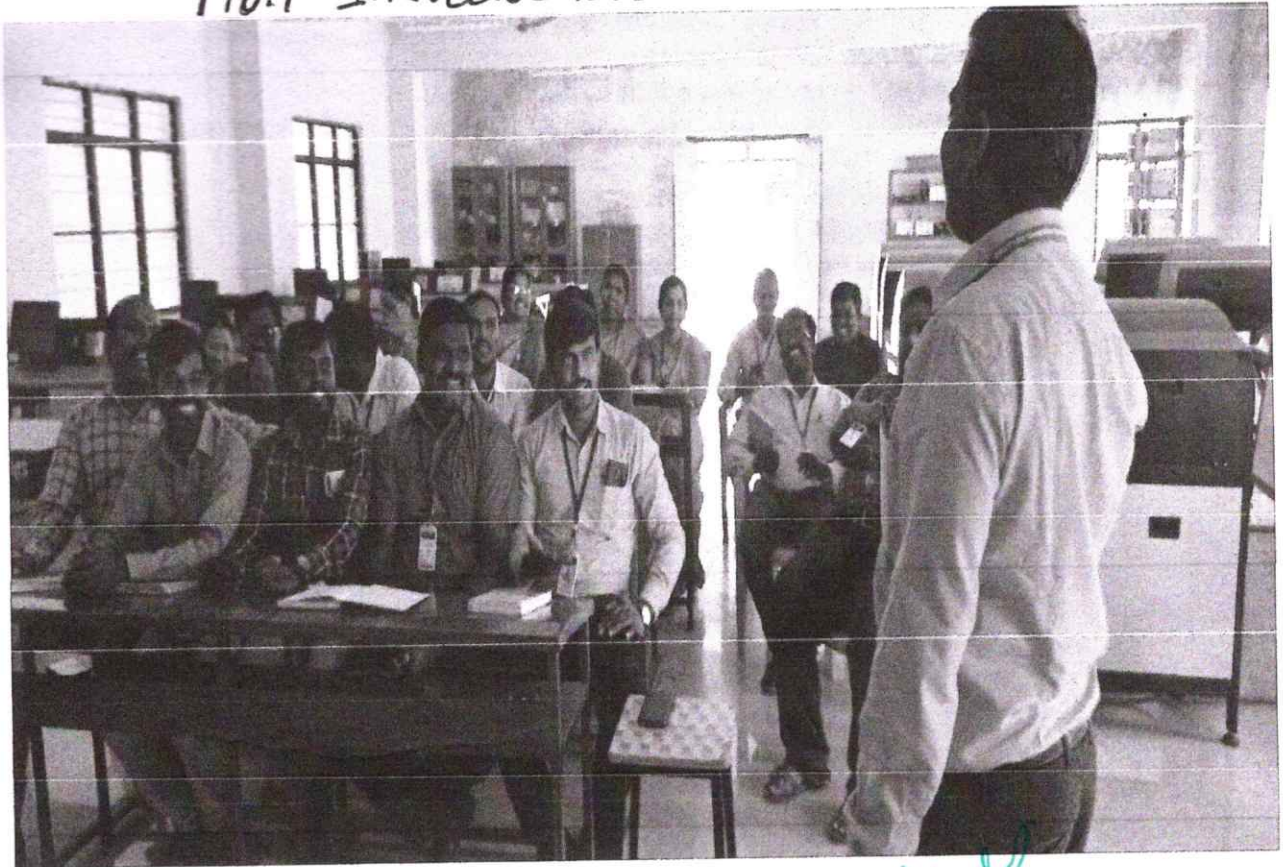


Fig.2

Seminar on Wireless Broadband Communication

*one*  
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## REPORT OF THE PROGRAM

1	<b>Program Name</b>	Seminar on A survey on wireless broadband communication
2	<b>Date of program</b>	08.02.2021
3	<b>Resource person:</b>	Mr. S. R. Sam Kingsley
4	<b>Participants</b>	28
5	<b>Objective of program</b>	The main objective of the Seminar is to give knowledge about Wireless broadband communication to faculty members
6	<b>Program description</b>	The program started with welcome address and introduction to the resource person by Mrs. A. Kanagalakshmi, HoD of ECE Department. 28 faculty members from various branches attended this Seminar. The resource person started the seminar with the importance of wireless communication in our day to day life. Explained about the history of communication from letter format to current scenario. Also addressed how well it is helpful in this COVID pandemic situations. The session concluded with an interactive session between the instructor and the faculty members in which the queries of the were addressed satisfactorily. The session was very clear, understandable and informative. The session ended with vote of thanks by the program coordinator, Mr. R. Ramar kalangiyam, AP/ECE.
8	<b>Outcome of this program</b>	The staff members gained knowledge regarding the wireless broadband communication.

*R. Ramar Kalangiyam*  
8/2/21  
Program Coordinator

*AKM*  
PRINCIPAL

*AKM*  
8/2/21  
Principal

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## ATTENDANCE

S No	NAME	FEEDBACK	SIGNATURE
1)	D. PRINCELIN NOEL	Good	
2)	HARI RAMNATH	Good	
3)	N. SRIDHAR	Good	
4)	V. TAMILARASI	Good	
5)	P. Arumugam Aplme	Good	
6)	PRABAKARAN. P. AP/MECH	GOOD	
7)	P. Shanmuga Prayan	Good	
8)	D Caroline Regi Parvona	good	
9)	S. SANTHYA	Green	
10)	R. Saravanan Kumar	good	
11)	I. Dhyanani	Good	
12)	Sameer Subh	Good	
13)	T. Subash	Good	
14)	PARVATHI KARTHIGA	Good	
15)	E. SATHI EASWARY	Good	
16)	V. Dhilip Kumar, AP/MECH	GOOD	
17)	A. Rajesh	Good	
18)	R. Saranam.	Good	
19)	M. Karapakaraj	Good	
20)	Ashok Rn.	Good	
21)	AL. KARTHICEYAN	Good	
22)	R. Kalavathi	Good	
23)	P. Kanaganalli	good	

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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program:** Seminar on "RELATION BETWEEN COST AND EFFICIENCY OF TURBINES"

**Date:** 17.02.21

**Time:** 03.00 pm – 04.00 pm

**Meeting Venue:** MECH Seminar Hall

**Program Coordinator:** Mr. V. Antony, AP/MECH

**Resource Person:** Mr. S. Rajamuniasamy, AP/CIVIL

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

13.12.2021

This is to inform you that seminar on "RELATION BETWEEN COST AND EFFICIENCY OF TURBINES" is being organized by the department of MECHANICAL for CIVIL AND MECHANICAL staff members. All are invited to join.

**Date:** 17.02.21

**Time:** 04.00 pm to 06.00 pm

**Meeting Venue:** Main computer lab

**Resource Person:** Mr. S. Rajamuniasamy, AP/CIVIL


### Head of the Department:

S.No.	Department	Signature
1	S&H	R. S. Rajamuniasamy
2	CIVIL	[Signature]
3	CSE	[Signature]
4	ECE	[Signature]
5	EEE	[Signature]
6	MECH	[Signature]

Copy to :-

1. The Chairman / Secretary.
2. All HOD

  
Program Coordinator

  
Principal


  
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### IQAC & DEPARTMENT OF CIVIL & MECHANICAL ENGINEERING ORGANIZES


### SEMINAR ON "RELATION BETWEEN COST & EFFICIENCY OF TURBINES" "An IQAC Initiative"

#### RESOURCE PERSON




Mr. S. Rajamuniasamy.,  
Assistant Professor, Department of Civil,  
Thamirabharani Engineering College.

#### CHIEF PATRON




Mr. M. R. Paulraj,  
Chairman.

#### PATRON



Dr. A. Anna Lakshmi,  
Principal I/C.

#### COORDINATOR



Mr. V. ANTONY,  
AP/MECH.

Date: 17.02.2021 Time: 03.00 P. M. - 04.00 P. M.

Venue: MECH Seminar Hall.



# THAMIRABHARANI ENGINEERING COLLEGE

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## PHOTO

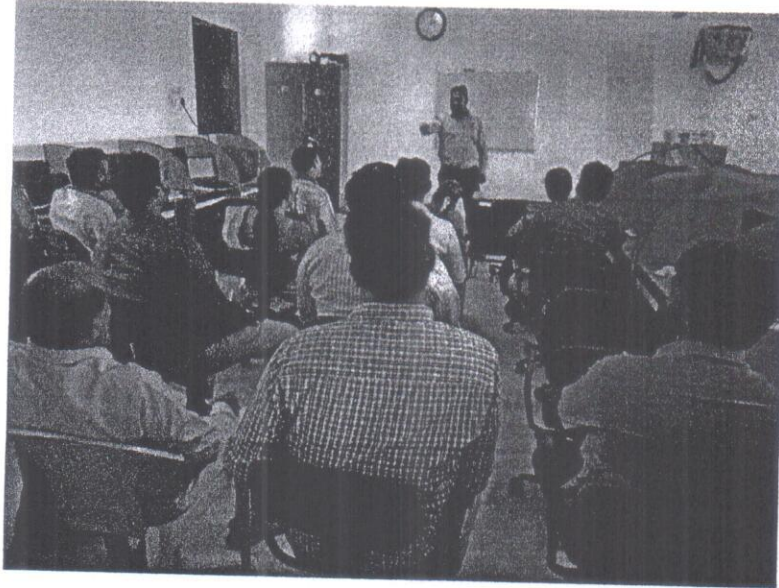


Fig:1 RELATION BETWEEN EFFICIENCY AND COST OF TURBINES

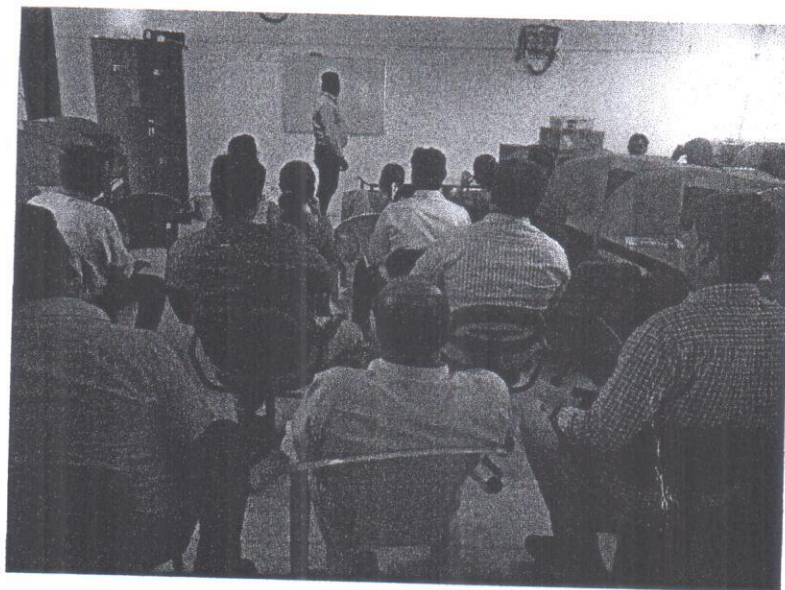


Fig:2 COST ANALYSIS

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## REPORT OF THE PROGRAM

1	Program Name	Seminar on Relation Between Cost And Efficiency Of Turbines.
2	Date of program	17.02.21
3	Resource person	Mr. S. Rajamuniyasamy, AP/CIVIL
4	Participants	14
5	Objective of program	The objective of Relation between Cost and Efficiency of Turbines Use of Predictive Technologies to Boost Performance and Reduce Maintenance Cost of Old Wind Turbines.
6	Program description	The program started with welcome address and introduction to the resource person by Mr.AL. Karthikeyan, Assistant Professor and HOD of MECHANICAL Department. 14 faculty members attended the seminar. The resource person explained in detail about It is necessary to optimize the performance of existing, aging wind turbine plants so as to reduce their operational and maintenance costs. The reliability of turbines decreases with age and the unavailability of or difficulty in finding the required spare parts for old models can greatly increase the operations and maintenance cost. The biggest challenge with regard to ageing or old wind turbines is maintaining the supply chain, which also includes various components of older turbine models and understanding the machine. The quality of maintenance, upgrades, and remote data analysis plays an important role in the optimal performance of ageing wind turbines. The session concluded with an interactive session between the instructor and the Staff in which the queries of the staff were addressed satisfactorily. The session ended with vote of thanks by, Mr. P. Prabakaran AP/MECHANICAL.
7	Outcome of this program	The staff got knowledge on Relation Between Cost And Efficiency Of Turbines and its applications.

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Chidambaram - Veppankulam Road,  
Thatchanallur, Tirunelveli - 627 358.

Program Coordinator

## ATTENDANCE

S.NO	Name	Department	Feed Back	signature
1	Dr. R. Jeyaraj	CIVIL	5	<i>[Signature]</i>
2	Mr. P. Shanmugapriyan	Civil	4	<i>[Signature]</i>
3	Mrs. E. Sakthi Elakkiya	CIVIL	5	<i>[Signature]</i>
4	Mrs. I. Dharani	Civil	5	<i>[Signature]</i>
5	Mr. V. C. Suntarrajan	CIVIL	4	<i>[Signature]</i>
6	Mr. S. Rajamuniasamy	Civil	5	<i>[Signature]</i>
7	Mr. M. A. Raja	Civil	4	<i>[Signature]</i>
8	Mr. T. Subash	MECH	5	<i>[Signature]</i>
9	Mr. AL. Karthikeyan	MECH	5	<i>[Signature]</i>
10	Mr. R. Saravana Kumar	MECH	5	<i>[Signature]</i>
11	Mr. P. Prabhakaran	Mech	3	<i>[Signature]</i>
12	Mr. P. Arumugam	MECH	4	<i>[Signature]</i>
13	Mr. V. Antony	mech	4	<i>[Signature]</i>
14	Mr. M. Harris Simon	mech	5	<i>[Signature]</i>

*[Handwritten signature]*

  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program:** Seminar on "ADVANCES IN HOMOGENEOUS CHARGE COMPRESSION IGNITION ENGINES"

**Date:** 15.03.2021

**Time:** 03.00 pm – 04.00 pm

**Meeting Venue:** CSE Main Lab

**Program Coordinator:** Mr. V. Antony, AP/MECHANICAL

**Resource Person:** Mr. AL. Karthikeyan, HOD/MECHANICAL

## INDEX

Sl. No.	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photo	4
4.	Report	5
5.	Attendance and Feedback	6

*(Signature)*  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## CIRCULAR

12.03.2021

This is to inform you that seminar on "ADVANCES IN HOMOGENEOUS CHARGE COMPRESSION IGNITION ENGINES" is being organized by the department of MECHANICAL for all the staff members. All are invited to join.

**Date:** 15.03.2021

**Time:** 03.00 pm to 04.00 pm

**Meeting Venue:** CSE Main Lab

**Resource Person:** Mr. AL. Karthikeyan, HOD/MECHANICAL

### Head of the Department:

S.No.	Department	Signature
1	S&H	<i>R. Karthikeyan</i>
2	CIVIL	<i>Arumugam</i>
3	CSE	<i>Arumugam</i>
4	ECE	<i>Arumugam</i>
5	EEE	<i>M. R. S.</i>
6	MECH	<i>M.</i>

Copy to:-

1. The Chairman / Secretary.
2. All HOD

*Arumugam*  
Program Coordinator

*Arumugam*  
Principal


*Arumugam*  
PRINCIPAL  
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**IQAC & DEPARTMENT OF MECHANICAL ENGINEERING**  
 ORGANIZES  
 SEMINAR ON "ADVANCES IN HOMOGENEOUS  
 CHARGE COMPRESSION IGNITION ENGINES"  
 "An IQAC Initiative"  
 RESOURCE PERSON

  
 Mr. AL. Karthikeyan.,  
 Assistant Professor, Department of Mechanical,  
 Thamirabharani Engineering College.

**CHIEF PATRON**

 Mr. M. R. Paulraj,  
 Chairman.

**PATRON**

 Dr. A. Anna Lakshmi,  
 Principal I/c.

**COORDINATOR**  

 Mr. V. ANTONY,  
 AP/MECH.

Date: 15.03.2021 Time: 03.00 P. M. - 04.00 P. M.  
 Venue: CSE Main Lab.

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PHOTO

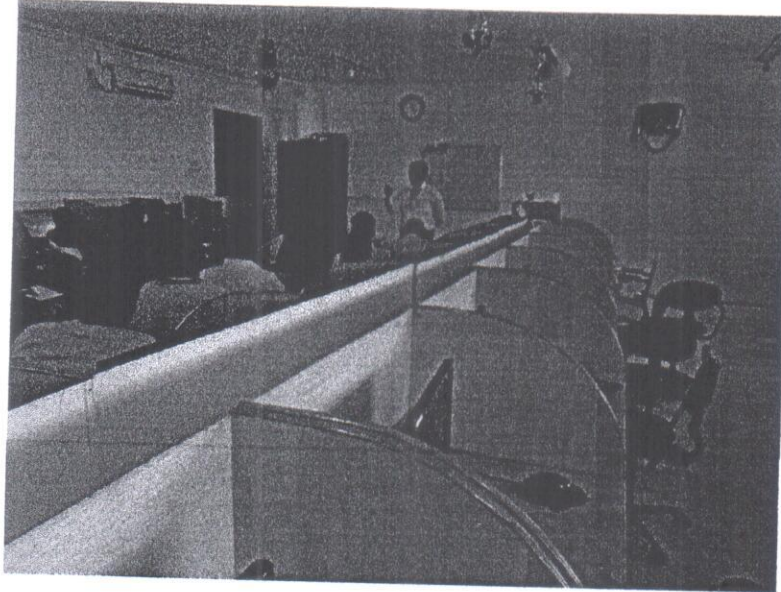


FIG:1 EXPLAIN ABOUT HCCI

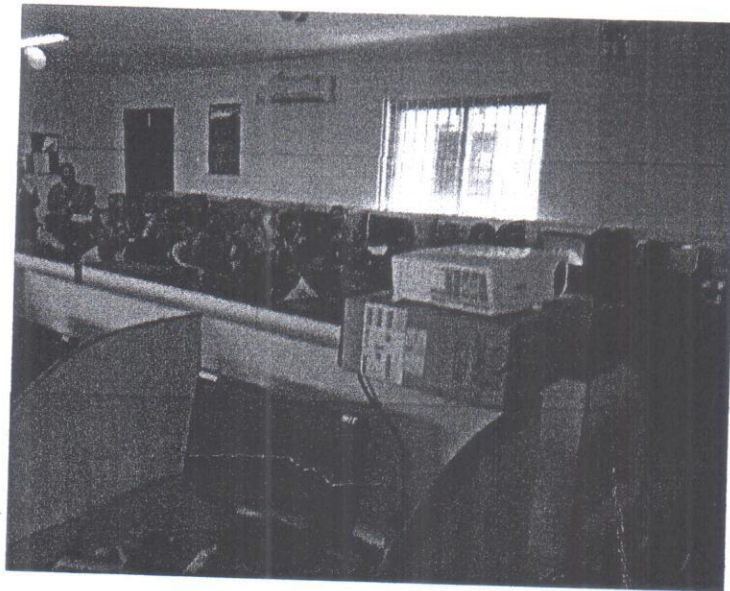


FIG:2 EXPLAIN ABOUT RECENT TRENDS IN HCCI

*shy*  
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## REPORT OF THE PROGRAM

1	Program Name	Seminar on advances in homogeneous charge compression ignition engines.
2	Date of program	15.03.2021
3	Resource person:	Mr. AL. Karthikeyan, HOD/MECHANICAL
4	Participants	36
5	Objective of program	The objective of this study is to illustrate the engine performance and emission characteristics of HCCI engines at different test conditions and various challenges associated with these engines.
6	Program description	The program started with welcome address and introduction to the resource person by Mr. V. Antony, Assistant Professor of MECHANICAL Department. 36 faculty members attended the seminar. The resource person explained in detail about HCCI combines characteristics of conventional gasoline engine and diesel engines. Gasoline engines combine homogeneous charge (HC) with spark ignition (SI), abbreviated as HCSI. Modern direct injection diesel engines combine stratified charge (SC) with compression ignition (CI), abbreviated as SCCI. As in HCSI, HCCI injects fuel during the intake stroke. However, rather than using an electric discharge (spark) to ignite a portion of the mixture, HCCI raises density and temperature by compression until the entire mixture reacts spontaneously. Stratified charge compression ignition also relies on temperature and density increase resulting from compression. However, it injects fuel later, during the compression stroke. Combustion occurs at the boundary of the fuel and air, producing higher emissions, but allowing a leaner and higher compression burn, producing greater efficiency. The session concluded with an interactive session between the instructor and the Staff in which the queries of the staff were addressed satisfactorily. The session ended with vote of thanks by, Mr. P.Prabakaran, AP/MECHANICAL.
7	Outcome of this program	The staff got knowledge on advances in homogeneous charge compression ignition engines and its applications.

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Chathirampudukulam Village,



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## ATTENDANCE

S No	NAME	FEEDBACK	SIGNATURE
1	S. Selvakumary	Good	
2	R. Kalavathi	Good	
3	R. Saravanan Kumar	Good	
4	P. Arumugam	Good	
5	R. Saranya	ok	
6	G. Pranga Devi	ok	
7	Dr. A. Anna Lakshmi		
8	M. SUGANTHA	ok	
9	S. Pranga Devi	ok	
10	S. Thanthana Smily	ok	
11	G. Pothula Geojini	ok	
12	S.R. Sankishy	ok	
13	BINI R.S	Good	
14	P. Kanagavalli	Good	
15	M. Balshana Thulim	ok	
16	F. Subramanian	Good	
17	P. Saravanaselvi	ok	
18	D. G. David, CSE	ok	
19	M. Ramnath AP/CE	ok	
20	S. Sundaraj	ok	
21	M. Marikannan	Good	
22	AL. PARTHIKEYAN	ok	
23	Subash T	Good	

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## THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program** : Training on "Fire and safety awareness program"

**Date** : 06-04-2021

**Time** : 11.00 a.m.

**Venue** : TEC Seminar Hall

**Program Coordinator** : Mr. P. Saravanakumar, M.E., AP/ MECH

**Speaker** : Mr. A. L. Karthikeyan, M.E., AP/MECH

### INDEX

S.No	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Reports	4
4.	Attendance	5

  
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**THAMIRABHARANI ENGINEERING COLLEGE**

Thatchanallur, Tirunelveli - 627 358.

**CIRCULAR**

Date: 06-04-2021

**Training on "Fire and safety awareness program"**

This is to inform you that the **Training on "Fire and safety awareness program"** is being organized by our college for all the Non-teaching staff members. All are invited to participate actively.

Date : 06-04-2021

Time : 11.00 a.m.

Venue : CSE Seminar Hall

Speaker : Mr. A. L. Karthikeyan M.E., AP/MECH

Program Coordinator

Principal

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BROCHURE



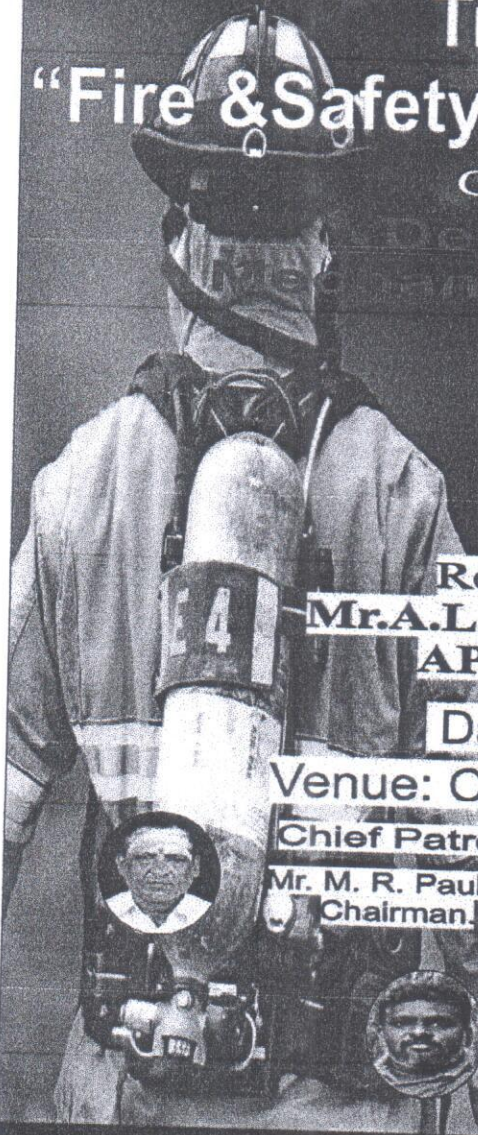
# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## Training on "Fire & Safety Awareness Program"

Organized by

Department of Mechanical Engineering



Resource Person

**Mr. A.L. Karthikeyan M.E.,**  
AP, MECH, TEC

Date: 06.04.2021

Venue: CSC Seminar Hall, TEC

Chief Patron

**Mr. M. R. Paulraj,**  
Chairman.



Patron

**Dr. A. Annalakshmi,**  
Principal.

Coordinator

**Mr. P. Saravanakumar, M. E.,**  
AP, MECH, TEC

Admission Helpline  
93608 04669

E-Mail : [tec\\_edu\\_in@yahoo.com](mailto:tec_edu_in@yahoo.com)  
Web : [www.tec-edu.in](http://www.tec-edu.in)

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Thatchanallur Road



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## ATTENDANCE

S No	NAME	SIGNATURE
1.	A MUTHUKUMAR	
2.	B RAJA SUNDARI	BRS
3.	T MURUGAN	T. Murugan
4.	D JONES PACKIARAJ	
5.	M SARAVANA BABU	MSB
6.	M MAHARAJAN	M. Maharajan
7.	G ARUN RAJA SINGH	G. Arun
8.	K KUMAR	K. Kumar
9.	N KALIPONRAJ	N. Kaliponraj
10.	G GAYATHRI	G. Gayathri
11.	M SANKAR RAJ	M. Sankar Raj
12.	A PERUMAL	A. Perumal
13.	N MARIAPPAN	N. Mariappan
14.	V PUSHPALATHA	V. Pushpalatha
15.	GRADHA	Gradha
16.	R HEMALATHA	R. Hemalatha
17.	S F BABU	S. F. Babu
18.	M IYYAPPAN	M. Iyyappan
19.	C RAJAKUMAR	C. Rajakumar
20.	A KRISHNA VENI	A. Krishnaveni
21.	M. MANIKANDARAJAN	M. Manikandarajan
22.	S RAJAN	S. Rajan
23.	M RAJAKUMAR	M. Rajakumar

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24.	P. JEYA	P. Jeya
25.	K. REGINA	K. Regina
26.	M. SANTHAMMAL	M. Santhammal
27.	N. MURUGAN	N. Murugan
28.	M. CHELLATHAI	M. Chellathai
29.	K. PARVATHI	K. Parvathi
30.	P. SELVAKUMAR	P. Selvakumar
31.	S. SUHASHINI	S. Suhashini
32.	M. RAGAVAN	M. Ragavan
33.	N. PANJARAM	N. Panjaram
34.	C. BOSE	C. Bose
35.	S. MARIAPPAN	S. Mariappan
36.	S. MURUGESAN	S. Murugesan
37.	M. THANGAKANI	M. Thangakani
38.	M. ARUMUGAKANI	M. Arumugakani
39.	D. THANGARAJ	D. Thangaraj
40.	A. ROCKIARAJ	A. Rockiaraj
41.	C. PRABHAKARAN	C. Prabhakaran
42.	S. ANANTHA KRISHNAN	S. Anantha Krishnan
43.	S. GRACE	S. Grace
44.	G. JEYA PAUL DURAISINGH	G. Jeya Paul Duraisingh
45.	P. MUJRUGESAN	P. Mujrugesan

PRINCIPAL  
 THAMIRAEHARANI ENGINEERING COLLEGE  
 Chathirampudukulam Village,  
 Chidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.

Coordinator

PRINCIPAL  
 THAMIRAEHARANI ENGINEERING COLLEGE  
 Chathirampudukulam Village,  
 Chidambaranagar - Vepemkulam Road,  
 Thatchanallur, Tirunelveli - 627 358.



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

**Name of the Program:** Webinar on Art of Teaching Pedagogy

**Date:** 01.05.2021

**Time:** 10.00 am to 11.00 am

**Meeting link:** <https://tinyurl.com/tec-TeachingPedagogy>

**Program Coordinators:** Dr. D. David Neels Ponkumar HOD/ECE and  
Dr. M. Palpandian HOD/EEE

**Resource person:** Dr. A. Benjamin Joseph, Associate Professor,

St. Joseph's College of Engineering and Technology

## INDEX

S.No	Contents	Page No.
1.	Circular	2
2.	Brochure	3
3.	Photos	4
4.	Attendance and feedback	5
5.	Report	6



**THAMIRABHARANI ENGINEERING COLLEGE**  
Thatchanallur, Tirunelveli - 627 358.

**Date: 03.05.2021**

**CIRCULAR**

This is to inform you that a webinar on “Art of Teaching Pedagogy” is going to be conducted through Google Meet for the staff members. All are invited to join.

**Date:** 01.05.2021

**Time:** 10.00 am to 11.00 am

**Google Meet Link:** <https://tinyurl.com/tec-TeachingPedagogy>

**Resource person:** Dr. A. Benjamin Joseph, Associate Professor,

St. Joseph’s College of Engineering and Technology

**Head of the Department:**

S.No.	Department	Signature
1	S&H	
2	CIVIL	
3	CSE	
4	ECE	
5	EEE	
6	MECH	

**Copy to :-**

1. The Chairman / Secretary.
2. All HOD

**Program Coordinator**

**Principal**  
**PRINCIPAL**  
**THAMIRABHARANI ENGINEERING COLLEGE**  
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BROCHURE



# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

Organizes

Webinar on

## The Art of Teaching Pedagogy

Date: 01.05.2021

Time: 10.00 a.m. - 11.00 a.m.

Google Meet Link

[tinyurl.com/tec-TeachingPedagogy](https://tinyurl.com/tec-TeachingPedagogy)

Resource Person



**Dr. A. Benjamin Joseph,**  
IQAC & Research coordinator,  
St. Joseph's College of Engineering and Technology,  
Thanjavur.

Chief Patron



**Mr. M. R. Paulraj,**  
Chairman.

Patron



**Dr. A. Anna Lakshmi,**  
Principal I/C.

Program Coordinators

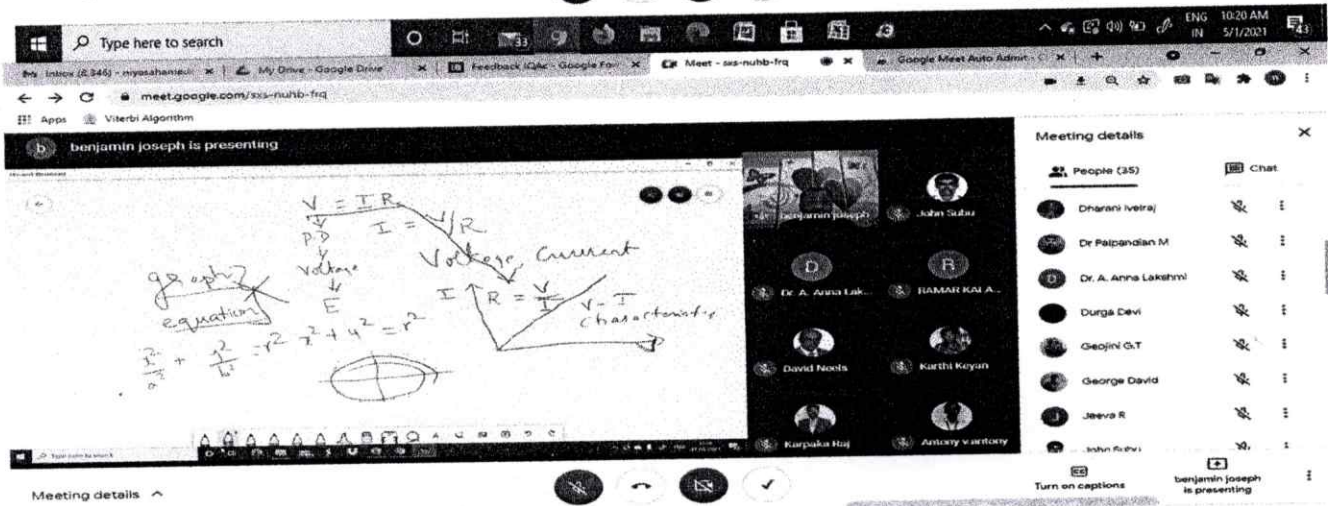
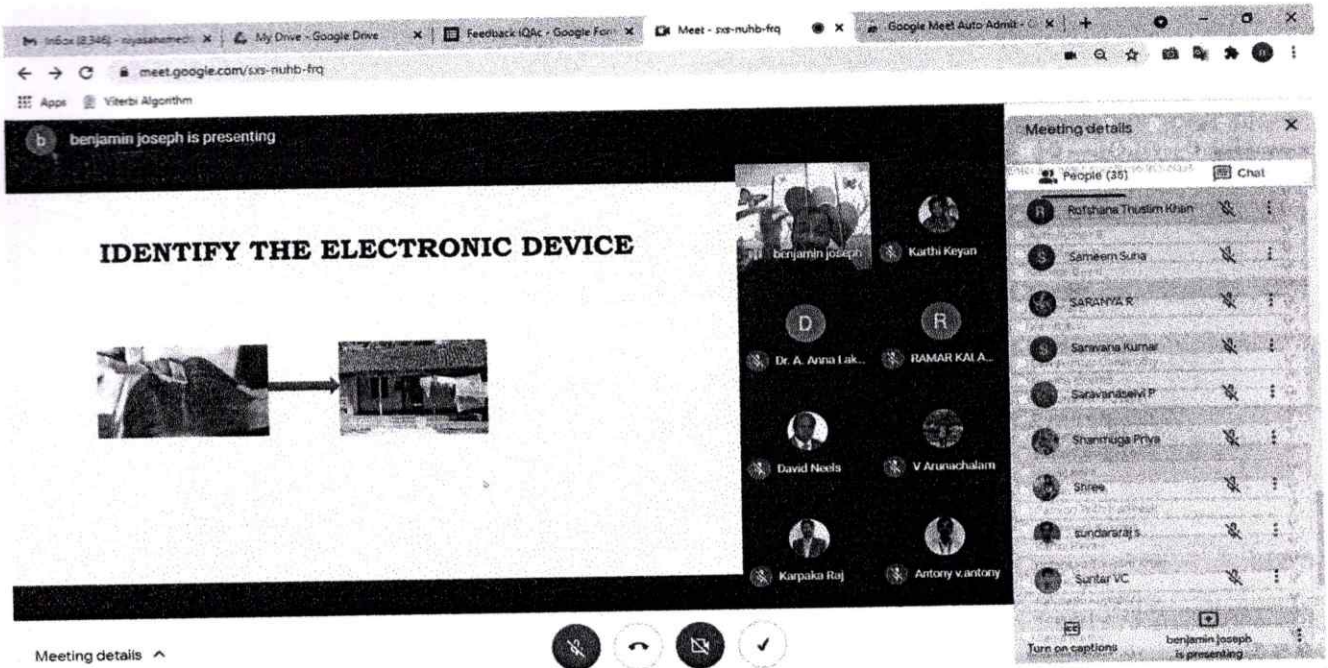


**Dr. D. David Neels Ponkumar,**  
HoD / ECE.



**Dr. M. Palpandian,**  
HoD / EEE.

# PHOTO SCREENSHOTS



  
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### Daily Attendance Report for class-list: 2021-05-01

Class Name: class-list | Date: 2021-05-01 | Earliest Arrivals: 09:50 | Start: 9:50 | End: 11:21 | Duration: 91 min

Show Attendance Summary

Name	9:50	10:00	10:05	10:10	10:15	10:20	10:25	10:30	10:35	10:40	10:45	10:50	10:55
Niyas Akhmal													
Aashika Arsham													
V Aravindhan													
George David													
Diya Devi													
Geetha G.T													
Divyansh Pring													
Benjamin Joseph													
Ramya Kalanpran													
Kanagarali													
Karthi Keyaz													
Rafikana Thasim Khan													
Saravasa Kumar													
Selva Kumar													
Raja Kumar													
Dr. A. Anna Lakshmi													
Dr. Palpanthan M													
Mari Kannan M													
Ramath M													
Rajamuniasamy S Munish													
David Neels													

class-list (2021-05-01) (1).html

File | C:/Users/gateway/Downloads/class-list%20(2021-05-01)%20(1).html

Rajamuniasamy S Munish													
David Neels													
Prabakaran P													
Saravanselvi P													
Chella Priya													
Shanmuga Priya													
Jeeva R													
Saranya R													
Karpaka Raj													
Anto Joseph Raja													
Komalavalli S													
Madathi S													
Petchiammal S													
Ponsundari S													
Sundararaj S													
Nazrin Salma													
Shree													
Harris Simon													
S Smily													
Sakthi Sri													
John Subu													
Sameem Suha													
Kani Timon													
Antony V Antony													
Suntar Vc													

\*\* There appears to be some odd data in this file! Click for details

*Handwritten Signature*  
**PRINCIPAL**  
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# THAMIRABHARANI ENGINEERING COLLEGE

Thatchanallur, Tirunelveli - 627 358.

## REPORT

**Name of the Event:** Webinar on Art of Teaching Pedagogy

**Date:** 01.05.2021

**No. of Participants:** 50

A National Webinar on "The Art of Teaching Pedagogy" was organized by Thamirabharani Engineering College on May1, 2021 from 10.00 a.m. to 11.00 a.m. The webinar was convened by Dr. A. Anna Lakshmi, Principal in charge of the College. Dr. D. David Neels Ponkumar HOD/ECE and Dr. M. Palpandian HOD/EEE were the coordinators of the webinar. The webinar was conducted through Google Meet platform. All the faculty members of Thamirabharani Engineering College attended the meeting through Google Meet.

Dr. A. Anna Lakshmi delivered the welcome address. Dr. A. Benjamin Joseph, Associate Professor of St. Joseph's College of Engineering and Technology was the Resource Person. Dr. A. Benjamin Joseph delivered an excellent and clear oriented session on the art of teaching pedagogy. He gave detailed explanation on the teaching pedagogy are summarized below and took a question and answer session for 15 minutes clearing the doubts of the faculties.

### Objective

- Better in communicating a message to any audience in future.
- He can use any one of the methods as such or with modifications in future.
- One can develop automatism and ex- tempore teaching by understanding these concepts and practices.

### Teaching

- Teaching is a process intended for learning by inducing a behavioral change in the taught.
- It is an art of communicating a message with impact on audience.
- Pedagogy is an art or profession of teaching.

## Purpose of Teaching

- Teaching creates knowledge, awareness and feelings in the taught and brings about behavioral change.

## Teacher learns while teaching

- Cognitive domain with knowledge and psycho motor domain with feelings and interest.
- Both these domains affect the affective domain to do practice.
- If this practicing of teaching is done on regular basis with positive feeling, liking for the subject, subject will be internally absorbed and retained (internalization) Whenever it is needed, the cognitive domain provides or recalls the stored facts and concepts automatically ( automatism).
- Then one can profess about the subject.

## Types of Teaching

- Active
- Passive
- Learner Oriented
- Teacher Oriented

## Teaching methods

- Lecture
- Lecture discussion
- Seminar
- Symposium
- Panel discussion
- Group discussion
- Tutorials
- Role play
- Integrated teaching (horizontal and vertical)
- Talking point sessions
- Workshops
- Conference

## Criteria of good teaching

- Good Concept ( thorough preparation)
- Organized Content( lesson planning)
- Good Quality and optimum quantity
- Sequence
- Relevance
- Learner oriented



## Teaching Practice

### 1. Set Induction

- Bringing the mood of the audience into the topic.
- Make sure that your audience is ready to receive the message you are going to deliver by any means which will make them attentive and receptive like:
  - Verbal questioning
  - Handouts
  - Problem/exercises

### 2. Introducing Topic

- Introduce the topic to the students by means of
  - Title
  - Learning objectives
  - Performance objectives

### 3. Topic Organization

- Prepare lesson plan keeping in mind
  - Relevance
  - Sequence
  - Editing
  - Time management
  - Reinforcing or Stimulating

### 4. Reinforcement

- Make the lesson both comprehensive and interesting by
  - Reinforcing with Facts and figures
  - Problems/exercises
  - Giving Examples and Making it a two way lecture discussion by asking few questions (particularly the students who are not attentive).

### 5. Stimulating

- Make it more interesting and lively by
  - Repetition of the main points
  - Stressing the important ones
  - Pauses to make something more effective
  - Relevant personal experiences
  - Purposeful body movements, gestures, voice modulations, eye contact etc.

### 6. Summarizing

- Summarize your lecture

- By checking whether you have explained all the learning objectives you have chosen.
- Just repeat your learning objectives giving stress on main points.
- Please note that summarization is not evaluation or assessment of impact of your lecture.
- It completes just delivery of lecture, but does not measure the impact of lecture on the audience.

### Impact assessment

- Can be done in several ways
- One sided (by teacher himself)
- Two sided (teacher and student)
- External assessment

### Evaluation

- Self designed using the understanding of the learning objectives of the lecture as criteria.

Or

- Depending on the parameters of any lecture like the content, quality of presentation etc

### Managing the students

- Don't throw the blame on the students for your failure to create an impact with your lecture.
- Students are immature, less skilled, emotional and You are mature, more skilled and composed.
- Best way to control the students is by giving them bes tlectures.

After the talk by the resource person, Dr. D. David Neels Ponkumar proposed the vote of thanks. The management of Thamirabharani Engineering College had made the arrangements for the successful conduct of the webinar. Mr. A. NiyasAhamed AP/ECE did all the IT related works. Feedback from all the participants was collected and E- certificates were provided.

  
Program Coordinator

  
Principal