

ABOUT MECHANICAL DEPARTMENT:

The Department of Mechanical Engineering started its successful journey in 1985 and has been accredited by the NBA since 1998. It has grown to be a Research Centre approved by Anna University, as well. The Department of Mechanical offers UG in Mechanical Engineering and PG in Mechatronics and Industrial Automation and is supplemented by well-equipped laboratories, reputed research supervisors and dedicated faculty members. The department has the privilege to house the following research cells namely FRP Cell, Multi-Disciplinary Bio-Fuel Research Cell, Tribology cell, Composite fabrication cell, welding research cell, 3D printing and robotic cell which are used extensively for research and consultancy projects. The department has MOU's with many industries to jointly work on research and technological development.

ABOUT CT RESEARCH INSTITUTE:

CT Research Institute (CTRI) is the Research and Training wing of Western Thomson Group (WTG). Western Thomson Group (WTG) is a specialized auto-components group with a focus on Temperature Control and Precision engineered components. The companies that form WTG are Western Thomson (India) Ltd, Nippon thermostat (India) Ltd, Precialp Precision (India) Pvt Ltd, Riviera Auto Components Pvt Ltd, CT Research Institute, WTG Lazgill. The Institute carries out research activities in the field of automotive engine cooling systems and Training activities to enhance the skills of people working in the automotive industry.

OUTCOME:

After attending this workshop, participants will have a good understanding of Engine Cooling System, fundamentals of IC engines, Fluid mechanics, thermodynamics, heat transfer and practical exposure in Engine cooling system and IC engine combustion and emission characteristics.

WHO CAN ATTEND?

- ◆ Employees of CT Research Institute.

SRI VENKATESWARA COLLEGE OF ENGINEERING
(Autonomous–Affiliated to Anna University) Pennalur,Sriperumbudur602 117

DEPARTMENT OF MECHANICAL ENGINEERING

Sub: Report on Three day workshop on "Engine Cooling System"

The Department of Mechanical Engineering in association with CT Research Institute organized a Three Day workshop on “**Engine Cooling System**” for the employees of Western Thomson Groups, from 13.10.2022 to 15.10.2022 with the approval from the management of SVCE. The workshop is sponsored by CT Research Institute with Rs.22,710/-. During the three day workshop the employees of Western Thomson Group had a good understanding of Fundamentals of Engine Cooling System. Totally 12 members were enrolled for this workshop from Western Thomson Group.

Welcome address was delivered by Dr. S. Ramesh Babu, HoD/MEC and welcomed the participants from Western Thomson Groups and also appreciated the long time association with Western Thomson.



Dr. S.Ramesh babu , HoD/MEC delivering his welcome address.

Dr. P. Raghu, AP/MEC introduced the chief guest to the gathering. The Programme was inaugurated by the Chief Guest Mr.K.Muthukrishnan, Architect-Thermal Systems & Solutions, Chennai.



Dr.P.Raghu,AP/MEC introducing the chief guest



Dr. S.Ramesh babu, HoD/MEC presenting memento to the chief guest

During the inaugural function the vote of thanks was given by Mr.S.Saravanan,AP/MEC.



Mr.S. Saravanan,AP/MEC delivering the Vote of Thanks

Totally nine sessions were scheduled for this three day workshop covering the following topics Fundamentals of Thermodynamics, Fluid Mechanics and Heat Transfer, Automotive Engine cooling system by the Industry Expert and Faculty members of Department of Mechanical and Automobile Engineering.

Day 1–Session:1

Mr. K. Muthukrishnan, Archirect, Thermal Systems, L&T Technology services handled a session on “Engine Cooling System”.



Mr.K. Muthukrishnan delivering his session in workshop

Day 1–Session:2

Mr. . Kalyanasundram, AP/MEC handled a session on “Cooling System in IC Engines”.



Mr.K. Kalyana sundram delivering his session in workshop

Day 1–Session:3

Mr.M. Maheswaran, AP/MEC handled a laboratory session on the topic” using Ansys software for engine cooling system in ” at CAD Lab– Department of Mechanical Engineering.



Mr. M. Maheswaran delivering his session in workshop

Day 2–Session:4

Dr. S. Saravanan, Professor/MEC handled session on the topic “Fundamental of Thermodynamics”.



Dr.S. Saravanan delivering his session in workshop

Day 2–Session:5

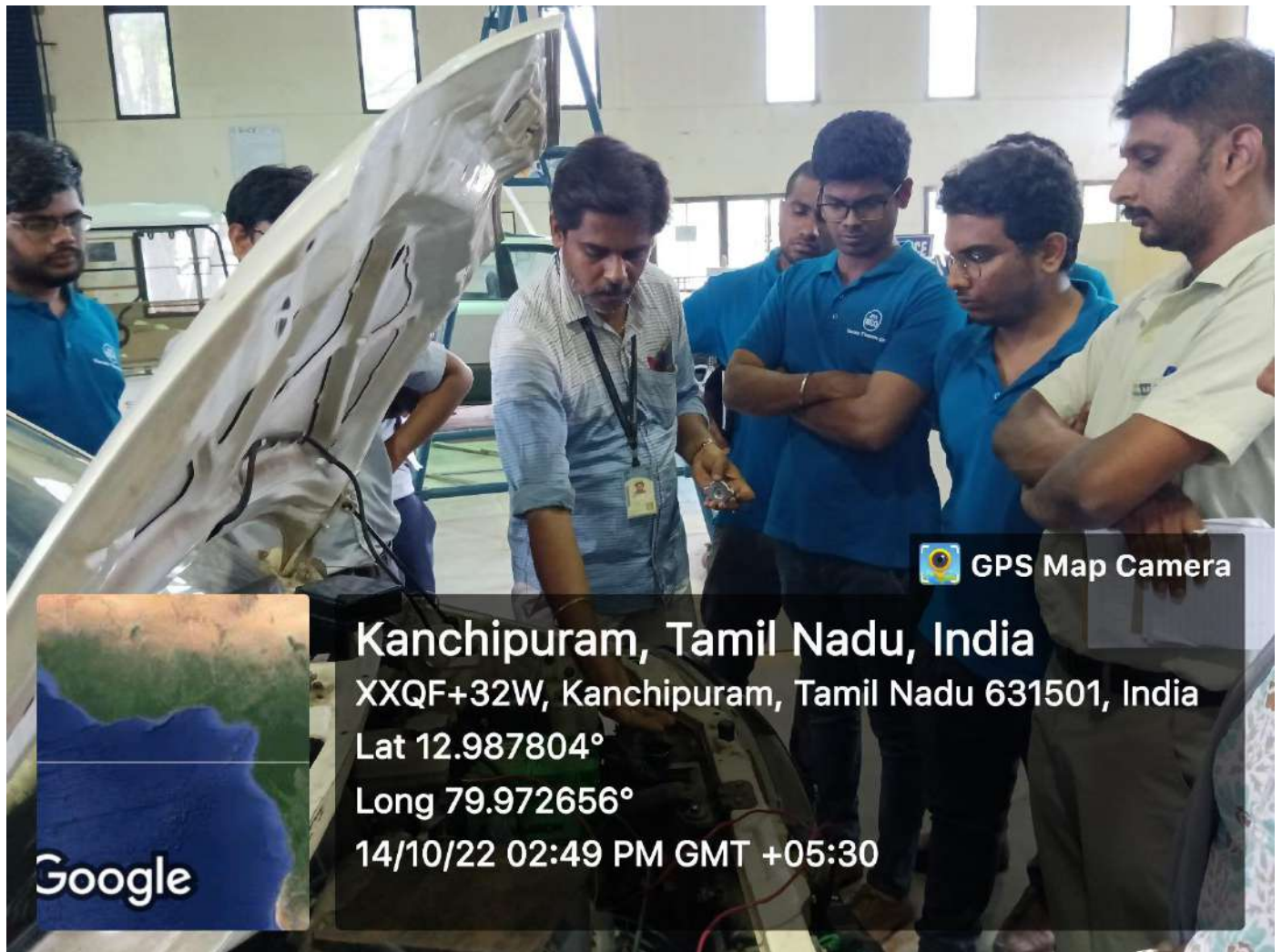
Dr.K.Pitchandi,Professor/MEC & CoE handled a session on the topic “Fundamentals of fluid mechanics”.



Dr. K. Pitchandi delivering his session in workshop

Day 2–Session:6

Dr.V. Ganesh, Associate Professor/AUT handled a laboratory session on the topic “Automotive Engine cooling system” at Department of Automobile Engineering.



Dr.V.Ganesh delivering his session in workshop

Day3–Session:7

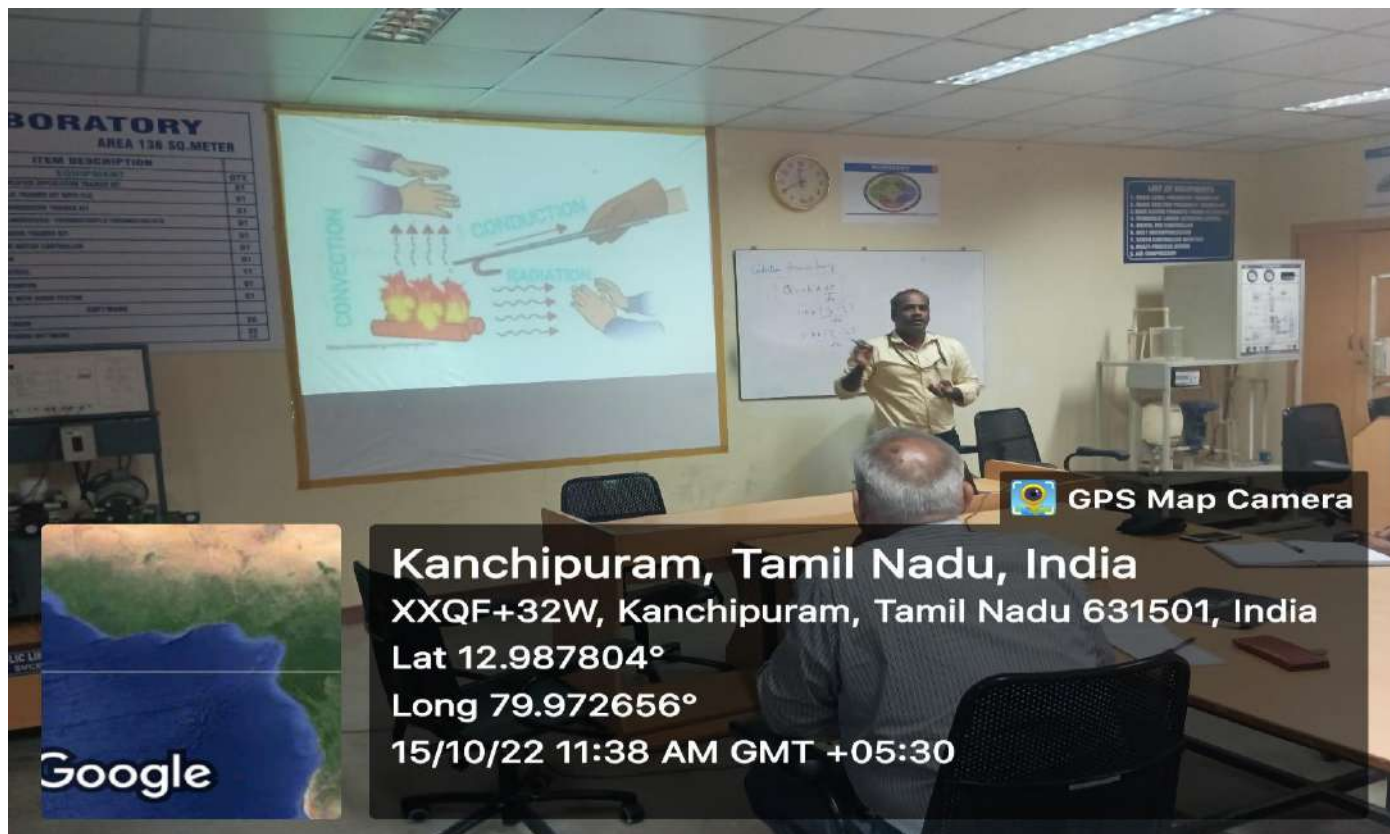
Dr. S. Arumugam, AP/MEC handled a session on the topic “Fundamentals of IC Engines”.



Dr.S. Arumugam delivering his session in workshop.

Day 3–Session:8

Dr. P.Raghu,AP/MEC handled a session on the topic “Fundamentals of Heat Transfer”.



Dr. P. Raghu delivering his session in workshop

Day 3–Session:9

Dr.S. Natarajan, Associate Professor/MEC handled a laboratory session on the topic “Automotive Engine cooling system” at Thermal Engineering Lab – Department of Mechanical Engineering.



Dr.S.Natarajan delivering his session in workshop

After the completion of the demonstration session, valedictory function was held at Mechatronics Lab, at 03.00 pm on 15.10.2022.

Dr. S. Ramesh Babu, HoD/MEC delivered his special address to the participants. During his special address, he recalled the various activities done along with WTI and expressed his thanks to WTI groups and the management of SVCE for the continuous support.

Introduction to the chief guest during Valedictory function was given by Mr. S. Saravanan, Assistant Professor/Mechanical Engineering. Valedictory address for the three-day workshop on “Engine cooling system” was delivered by Prof. Dr. K. Pitchandi, Professor & CoE, SVCE.

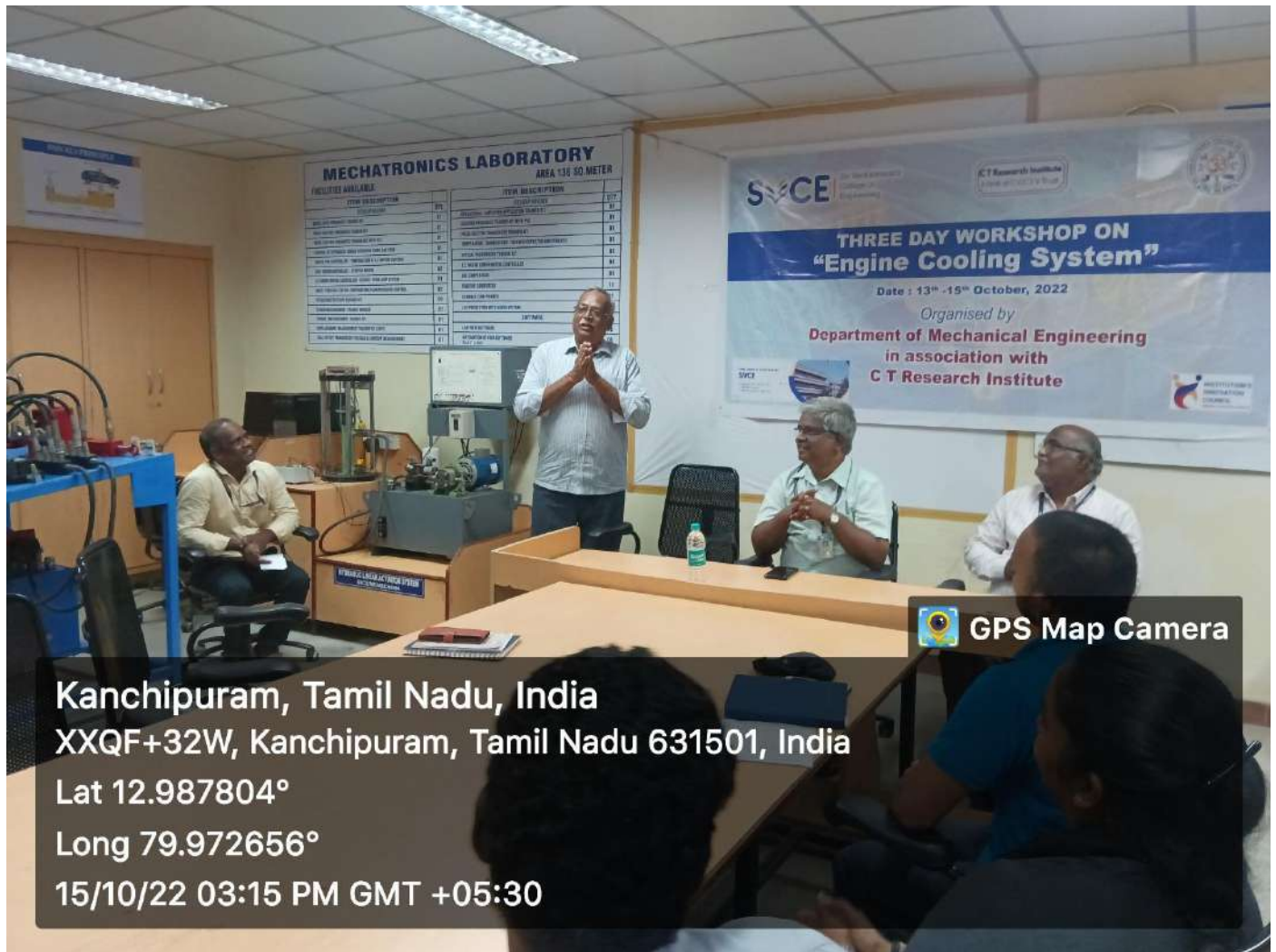
Mr.S. Saravanan introducing the chief guest to the gather in during the valedictory address Prof. Dr. K. Pitchandi, COE emphasized his thoughts on the importance of industry-institution collaborations.

Dr. K. Pitchandi delivering his Valedictory Address



Feedback from Participants

Followed by the Valedictory address by COE, feedbacks were given by the participants. The participants expressed their fullest satisfaction regards the conduct of workshop. The lecture sessions were very much appreciated by the participants. The Program was very well received by the participants.



Kanchipuram, Tamil Nadu, India
 XXQF+32W, Kanchipuram, Tamil Nadu 631501, India
 Lat 12.987804°
 Long 79.972656°
 15/10/22 03:15 PM GMT +05:30

Mr. M.R.Ramesh,AGM, Western Thomson Group giving the feedback about the Program

We express our heartfelt thanks to the management of SVCE for giving an opportunity and support to conduct the program smoothly. Followed by the special address, the certificates were distributed to the participants. Certificates were issued by Dr.K.Pitchandi, Prof & COE, SVCE.



Dr.K. Pitchandi is distributing the certificate to a participant.

Dr. S. Arumugam, AP/MEC given the vote of thanks. He thanked the management of SVCE for motivating and giving the fullest support for organizing various events. Also, he thanked the WTI group for this collaborative workshop with SVCE for their employees. Further he thanked the participants for their participation and interest on learning by interacting during the various sessions conducted during the workshop.



Group photo taken at end of the program

XXQF+32W, Kanchipuram, Tamil Nadu 631501, India
 15 Oct 2022 03:27 pm



Sponsorship amount received from CT Research Institute:

The workshop is sponsored by CT Research Institute with **Rs.23,000/-**

Indian Bank Branch: KOTTURPURAM
32 PONNI AMMAN KOIL STREET
KOTTUR, CHENNAI T N
IFS Code :IDIB000T117

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Please sign above

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Three day workshop
On
Engine Cooling System

Schedule : 13th - 15th, October 2022

S.No	Date	Speaker Name	Designation	Organization	Time	Topic
	13-10-2022	Inauguration			09:30 to 10:00 AM	Inauguration
1	13-10-2022	Mr. K. Muthukrishanan	Archirect, Thermal Systems	L&T Technology services	10:00 to 11:00 AM	Engine Cooling System
Tea Break					11:00 to 11:15 AM	
2	13-10-2022	Mr.R. Kalyana sundram	Assistant Professor	SVCE	11:15to12:15PM	Cooling System in IC Engines
Lunch Break					12:15 to 01:00 PM	
3	13-10-2022	Mr.M.Maheswaran	Assistant Professor	SVCE	01:00 to 03:00 PM	Laboratory Session CAD Lab (Department of Mechanical Engineering)
Tea Break					03.00 to 03.15 PM	
4	14-10-2022	Dr.S.Saravanan	Professor	SVCE	09:30 to 10:45 AM	Fundamental of Thermodynamics
Tea Break					11:00 to 11:15 AM	
5	14-10-2022	Dr.K.Pitchandi	Professor & COE	SVCE	11:00 AM to 12:15 PM	Fundamentals of fluid mechanics
Lunch Break					12:15 to 01:00 PM	
6	14-10-2022	Dr. Ganesh V	Associate professor & Asst.HoD/ AUTO	SVCE	01:30 to 03:00PM	Laboratory Session (Department of Automobile Engineering)
Tea Break					03.00 to 03.15 PM	
7	15-10-2022	Dr.S.Arumugam	Assistant Professor	SVCE	09:30 to 10:45 AM	Fundamental of IC engines
Tea Break					11:00 to 11.15 AM	
8	15-10-2022	Dr. P. Raghu	Assistant Professor	SVCE	11:00 AM to 12:15 PM	Fundamental of Heat transfer
Lunch Break					12:15 to 01:00 PM	
9	15-10-2022	Dr.S.Natarajan	Associate Professor	SVCE	01:00 to 02:45 PM	Laboratory Session Thermal Engineering Lab (Department of Mechanical department)
Tea Break					02:45 to 03:00 PM	
Valedictory Function					03:00 to 03:15 PM	

Program Conveners:

Sl No	Name	Designation	College Name
1	Dr. S.Ramesh Babu	Professor Head/MEC	Sri Venkateswara college of Engineering

Program Coordinators:

Sl No	Coordinator Name	Designation	College Name
1	Dr. P. Raghu	Assistant Professor/MEC	Sri Venkateswara college of Engineering
2	Dr.S. Arumugam	Assistant Professor/MEC	Sri Venkateswara college of Engineering
3	Mr.S. Saravanan	Assistant Professor/MEC	Sri Venkateswara college of Engineering

List of Participants registered

**Sri Venkateswara College of Engineering,
Sriperumbudur-602117**

Department of Mechanical Engineering

Three-day workshop on Engine Cooling System

Date 14-10.2022

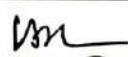
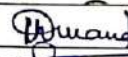

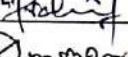
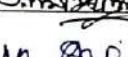
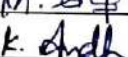
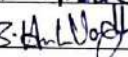
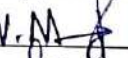
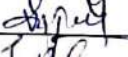
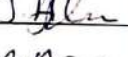
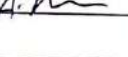
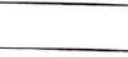
Attendance sheet

S.No	Name of the Candidate	Designation	Signature
1	R. RAMESH	Aut/Mechanic	R Ramesh
2	S. SUDHESHAN	INSTRUCTOR	S. Sudheshan
3	S. Thangaperumal	Mechanic	S. Thangaperumal
4	M. Sriharjani	GET - DSD	M. Sriharjani
5	Vijay Kumar Yadav	GET - SQA	Vijay Kumar Yadav
6	Aansha Vandhan - B	GET - Production	Aansha Vandhan
7	Sivaram	Engineer - Plastic	Sivaram
8	Prabakaran.	GET - Design	Prabakaran
9	V. Nagaraj	GET - D & D	V. Nagaraj
10	Tharash Kumar. T	Engineer - Process	Tharash Kumar. T
11	K. Aravindh	Quality - Engineer	K. Aravindh
12	M. Parithan.	NPD - Quality	M. Parithan.
13	Nicola Duand	Sales + Marketing	Nicola Duand
14	N. Narasimhan	Engineer - D & D	N. Narasimhan
15	M. R. RAMESH	ASST	M. R. RAMESH
16	J. Balakrishnan	AUT/Mechanic	J. Balakrishnan
17	R. Vijay	Mechanic	R. Vijay
18	M. Vijay	Mech	M. Vijay
19	J. Baskaran	Instructor	J. Baskaran
20	A. BASKARAN	Instructor	A. Baskaran
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**Sri Venkateswara College of Engineering,
Sriperumbudur-602117
Department of Mechanical Engineering**

**Three-day workshop on Engine Cooling System
Date 15-10.2022**

Attendance sheet

S.No	Name of the Candidate	Designation	Signature
1	M. R. RAMESH	AGM	
2	Nicola Duand	Sales	
3	G. Sivaraj	Engineer - Plastics	
4	S. Prabhakaran	GET - Design.	
5	N. Navaneetha Krishnan	Engineer - Design	
6	M. Sijanjevi	GET - Design & Develop	
7	K. Aravindh	Engineer - Quality	
8	Hansha Vandhan. B	GET - Production	
9	V. Nagaraj	GET - D and D	
10	VIJAY KUMAR YADAV	GET - Supplies Quality	
11	J. Balakrishnan	Mechanic (Automobile)	
12	A. BASKARAN	Instructor	
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Sample Certificates





Three day Workshop
on
Engine Cooling System

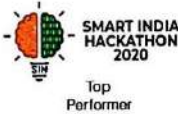
CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr. /Ms. S. Prabakaran from M/s Western Thomson (India) Ltd. has participated in Three day Workshop on "Engine Cooling System" organized by Department of Mechanical Engineering in association with CT Research Institute held on 13th October to 15th October, 2022.


(Dr. P. Raghu)
Coordinator
Dept. of Mechanical Engg.


(Dr. S. Ramesh Babu)
Professor & Head
Dept. of Mechanical Engg.


(Dr. S. Ganesh Vaidyanathan)
Principal,
SVCE






*Three day Workshop
on
Engine Cooling System*

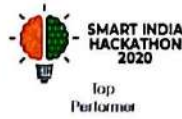
CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr. /Ms. Dr. Aravinth from M/s Nippon Thermostat (India) Ltd. has participated in Three day Workshop on "Engine Cooling System" organized by Department of Mechanical Engineering in association with CT Research Institute held on 13th October to 15th October, 2022.


(Dr. P. Raghu)
Coordinator
Dept. of Mechanical Engg.


(Dr. S. Ramesh Babu)
Professor & Head
Dept. of Mechanical Engg.


(Dr. S. Ganesh Vaidyanathan)
Principal,
SVCE





CT Research Institute
Unit of C.V.C.T.V. Trust



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*Three day Workshop
on
Engine Cooling System*

CERTIFICATE OF PARTICIPATION

This is to certify that Dr. /Mr. /Ms. M. Parithran from M/s Precialp Precision (India) Ltd. has participated in Three day Workshop on "Engine Cooling System" organized by Department of Mechanical Engineering in association with CT Research Institute held on 13th October to 15th October, 2022.

(Dr. P. Raghu)

Coordinator
Dept. of Mechanical Engg.



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(Dr. S. Ganesh Vaidyanathan)

Principal,
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Workshop Brochure



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DEPARTMENT OF MECHANICAL ENGINEERING

THREE DAY WORKSHOP ON “Engine Cooling System”

Date

13-15th October, 2022

Time

9.00 AM to 3.30 PM (IST)

**Organised by
Department of Mechanical Engineering
in association with
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