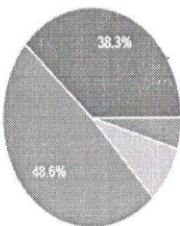
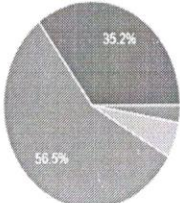


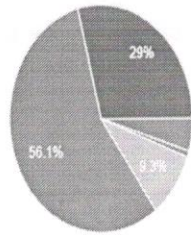

Hindusthan
College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in
Report for Webinar organized / participated

Name of the Faculty :Dr.B.Gomathi, Prof..J.Uma, Prof.R.Amudha	
Department : IT	Designation :Associate Professor, Assistant Professor,Assistant Professor
Name of the Event:IEI Professional Society Sponsored webinar on "Adaptation of Augmented RealityandVirtual Reality to the Recent Trends"	
Level :College Level	
Venue / Mode:through Online Mode using Google Meet Link: https://meet.google.com/pap-wurh-swt	
No. of Days :1	Dates :27/02/2021
Funded by : IEI Student Chapter	
No. of Participants :110	Registration charges (if any) :-
Name and Designation of Resource Person(s) : MrPatric Phinehas Raj Associate Software Engineer Robert Bosch Engineering and Business Solutions Pvt. Ltd. Coimbatore	
Outcome : 1. Created basic understanding and perspective on the VR/AR landscape; past, present and future 2. Helps students on understanding of fundamental computer vision, computer graphics and human-computer interaction techniques related to VR/AR 3. Demonstrate insights to key application areas for VR/AR 4. Demonstrate the ability to design and implement VR/AR experiences	
Remarks and Feedback on the Event : The session delivered the information I expected to receive 107 responses  ● Strongly disagree ● Disagree ● Neutral ● Agree ● Strongly agree	The presenters responded to the question 108 responses  ● Strongly disagree ● Disagree ● Neutral ● Agree ● Strongly Agree



The subject matter was presented effectively

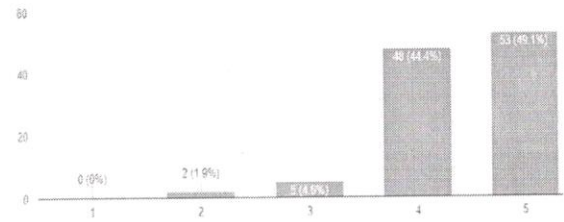
107 responses



- Strongly disagree
- Disagree
- Neutral
- Agree
- Strongly Agree

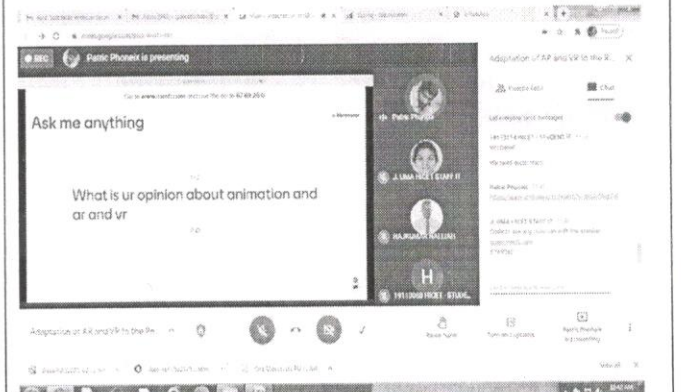
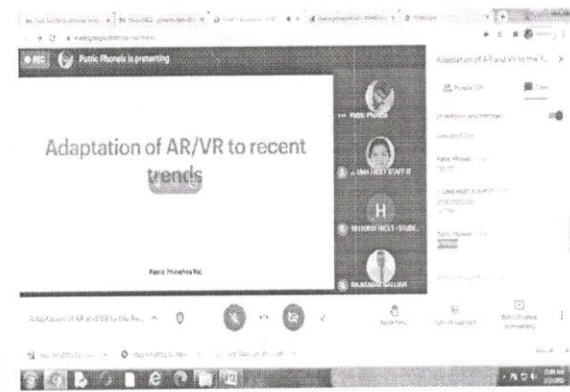
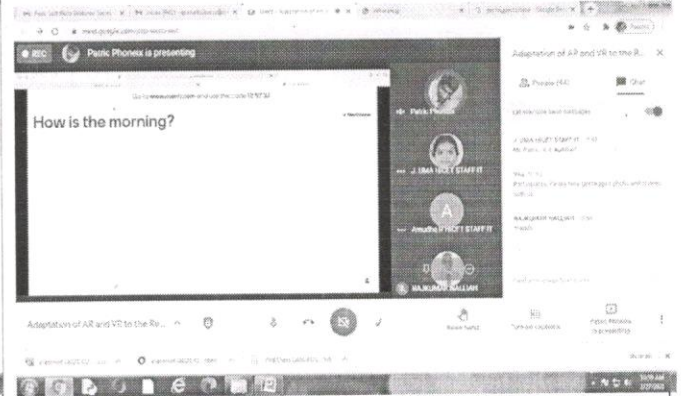
How would you rate the presenter

108 responses



Plan of Implementing in HiCET (if any) : YES

Screenshot:



Signature of the Faculty

HoD

Principal

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Hindusthan College of Engineering & Techno
COIMBATORE - 641 032





Report for

Conference / Seminar / Symposium / Workshop / FDP /
Refresher Course / Training / Industry Visit / Academic Visit /
Guest Lecture / Webinar / Online Course

Organized / Participated

Name of the Faculty : Mr. Yogaraja J	
Department : Automobile Engineering	Designation : Assistant Professor
Nature of the Event : Webinar	
Category : World Engineering Day for Sustainable Development 2021 webinar scheduled on 04th March 2021	
Title : BS VI ENGINE TECHNOLOGY	
Venue : Through online	
No. of Days : 01	Dates : 04-03-2021
Funded by : IE(I) Coimbatore Local centre	
No. of Participants : 102	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mr C Prakash Former General Manager (R & D Engine Specialist) Product Development Division Ashok Leyland, Chennai.	
Outcomes of the Event : ➤ Internal combustion engines (ICEs) are primarily notorious for the production of carbon dioxide (CO₂), carbon monoxide (CO), hydrocarbons (HC) and oxides of nitrogen (NO_x). Particulate matter (PM), or carbon soot, is another by-product of diesel as well as direct-injection petrol engines. ➤ Direct-injection petrol and diesel engines rely on particulate filters to reduce the emission of PM or soot into the atmosphere. A higher level of NO_x – a challenge especially with diesel engines – is tackled either by employing a Lean NO_x Trap (LNT) or a Selective Catalytic Reduction (SCR) system. ➤ NO_x levels will go down by 25 percent for petrol and a drastic 68 percent for diesel engines. The latter will also be met with the requirement of a severe 82 percent reduction in PM levels.	
BS6 grade petrol and diesel are limited to just 10 mg/kg of sulphur, compared to the 50 mg/kg content in BS4 fuels.	



- The level of sulphur and nitrogen oxide content in fuel plays a significant role. BS6 fuel has lower sulphur content than BS4 fuel.

Remarks and Feedback on the Event :

The speaker addressed the participants about the World Engineering Day celebration on 4th March of every year. He delivered a wonderful presentation about BSVI Engine Technology and interacted with the students.

The speaker advised the long lifetime of vehicles and equipment and the increasing health burden in regions without adequate protections stress the urgency to introduce world-class standards, develop compliance programs, and adopt in-use measures that accelerate the replacement of high-emitting vehicles.

Plan of Implementing in HiCET (if any) : *conduct one day Guest lecture for Faculty & Non-Teaching members*

Ram
Signature of the Faculty

Himmam
HoD

H
Principal

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COIMBATORE - 641 032.



The Institution of Engineers (India)
Coimbatore Local Centre

In association with
Department of Automobile Engineering
Hindusthan College of Engineering and Technology, Coimbatore
Organize

World Engineering Day for Sustainable Development 2021 webinar scheduled on
04th March 2021 (Thursday) at 02:00 PM
Topic: "BS VI Engine Technology"

by
Guest Speaker



Mr C Prakash
Former General Manager (R & D Engine Specialist)
Product Development Division
Ashok Leyland, Chennai



Dr P R Natarajan FIE
Chairman, IE(I), CLC

Dr H Rammohan MIE
Honorary Secretary, IE(I), CLC

All are Cordially Invited

Image of the Event Brochure /
Invitation

Geo-Tagged Photographs of Event – 2 Nos



REC

19102004 HICET - STUDENT A... and 11 more

14:07

M. DINESH, GENSRP HICET STAFF AUTO has left the meeting

HINDUSTHAN COLLEGE OF ENGINEERING

Google

Malumichampatti, Tamil Nadu, India
Girls Hostel, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India
Lat N 10° 53' 25.1016"
Long E 76° 59' 32.0244"
04/03/21 02:07 PM

RED

AUTO HOD AUTO is presenting

19102004 HICET - STUDENT A... and 76 more

14:53

Diesel Engine Emissions

Carbon Monoxide

Disables / Causes

Combines with Hemoglobin (Carbonyl Hemoglobin)

BRAIN DAMAGE

Human Effects

HINDUSTHAN COLLEGE OF ENGINEERING

Google

Malumichampatti, Tamil Nadu, India
Girls Hostel, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India
Lat N 10° 53' 25.5624"
Long E 76° 59' 32.3088"
04/03/21 02:53 PM

A

AUTO HOD AUTO is presenting

17102041 HICET - STUDENT A... and 77 more

14:50

Diesel Engine Emissions

Emission Elements

• Diesel $\Rightarrow$ Hydrocarbon Fuel

• Combustion $\Rightarrow$ Oxidation reaction

Theory

$H + O_2 \Rightarrow H_2O$

$C + O_2 \Rightarrow CO_2$

Actual - additionally

Oxides of Nitrogen - NOx

Carbon Monoxide - CO

Hydro Carbons - HC

Particulate Matter (Solid)

HINDUSTHAN COLLEGE OF ENGINEERING

Google

Malumichampatti, Tamil Nadu, India
Girls Hostel, Hindusthan College Rd, Malumichampatti, Tamil Nadu 641050, India
Lat N 10° 53' 25.5624"
Long E 76° 59' 32.3088"
04/03/21 02:53 PM



AUTO HOD AUTO is presenting

17102041 HICET - STUDENT A... and 77 more

14:50

Diesel Engine Emissions

Emission Elements

- Diesel $\Rightarrow$ Hydrocarbon Fuel
- Combustion $\Rightarrow$ Oxidation reaction

Theory

$$\text{H} + \text{O}_2 \Rightarrow \text{H}_2\text{O}$$

$$\text{C} + \text{O}_2 \Rightarrow \text{CO}_2$$

Actual - additionally

Oxides of Nitrogen - NOx

Carbon Monoxide - CO

Hydro Carbons - HC

Particulate Matter (Solid)*

C.P.P

17102052 HICET... Natarajan Rama...

17102811 HICE... AUTO HOD AUTO D.NAVEENRAJ H...

19102020 HICE... 19102803 HICET... NARESH MALLI...

AUTO HOD AUTO is presenting

19102015 HICET - STUDENT A... and 76 more

15:00

Diesel Engine Emissions

Human Effects

Particulates

Coarse particulates

Penetrate via the mucous layer reaches 3-4 days

Residence in the lungs, alveolar region particulate clearance requires up to 120 days

Lungs affected

C.P.P

... C Prakash

17102052 HICET... 19102005 HICE...

Natarajan Rama... AUTO HOD AUTO D.NAVEENRAJ H...

17102811 HICE... 19102803 HICET... NARESH MALLI...

AUTO HOD AUTO is presenting

19102805 HICET - STUDENT A... and 77 more

14:54

Diesel Engine Emissions

Human Effects

NOx

NOx + Moisture $\Rightarrow$ Acid

IRRITATION

- EYES
- LUNGS
- SKIN

Acid Rain Formation

C.P.P

... C Prakash

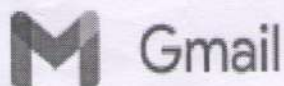
17102052 HICET... 19102005 HICE...

17102041 HICE... AUTO HOD AUTO D.NAVEENRAJ H...

J.KRISHNARAJ... 19102803 HICET... NARESH MALLI...



* Report to be submitted within 3 days of the completion of the Event



AERO HOD AERO <aerohod@hicet.ac.in>

Fwd: Regarding Webinar on 04-03-2021

1 message

Yogaraja Jeyaraj <yogarajahp10@gmail.com>
To: aerohod@hicet.ac.in

18 February 2021 at 16:39

----- Forwarded message -----

From: **IEI COIMBATORE LOCAL CENTRE 1** <ieicoimbatore@gmail.com>
Date: Sat 13 Feb, 2021, 4:58 PM
Subject: Re: Regarding Webinar on 04-03-2021
To: Yogaraja Jeyaraj <yogarajahp10@gmail.com>

Dear Sir/Madam,

Greetings from IE(I), Coimbatore Local Centre...!

With reference to your mail. We approve the request for organizing a webinar on **World Engineering Day for Sustainable Development 2021** titled with "**BS VI Engine Technology**" scheduled on **04th March 2021 (Thursday)** through online platform in association with IE(I), Coimbatore Local Centre and we also accept to sponsor **Rs.2,500/- as a honorarium** for the resource person.

This is for your kind information and necessary action.

Thanking you with regards.

Dr H Rammohan MIE
Honorary Secretary
The Institution of Engineers (India)
Coimbatore Local Centre
PSG College of Technology Campus
Peelamedu, Coimbatore - 641 004
Phone: 0422 - 2580733 - 9894192759

Email: ieicoimbatore@gmail.com

Website: ieicoimbatore.com

On Sat, Feb 13, 2021 at 12:25 PM Yogaraja Jeyaraj <yogarajahp10@gmail.com> wrote:

Dear sir ,

We are planning to organize a webinar for Students and Faculty members in the area of BS VI Engine Technology - Green Initiative during the eve of World Engineers Day for Sustainable Development on 4th March 2021. In this regard we need your confirmation to organise a webinar with IEI. The proposed title and resource person of webinars are as follows,

Organize with Department of Automobile Engineering on 04-03-2021

Title " BS VI Engine Technology"

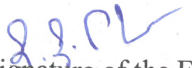
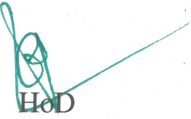
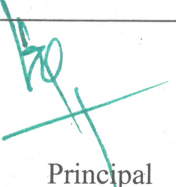
Resource person : Mr. Prakash , General Manager- R & D Engine specialist (Retired), Ashok Leyland , Chennai.

With Regards,

J.Yogaraja,
Assistant Professor.,M.E.,(PhD).,
Dept. of Automobile Engineering,
Hindustan college of Engineering and Technology,
Coimbatore-32.
Mobile : 9486021174 , 8220597256




Hindusthan
College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in
Report for Seminar organized

Name of the Faculty : Mr.SARAVANAKUMAR V & SIVARAMAN S	
Department : Aeronautical Engineering	Designation : Assistant Professor
Name of the Event : Webinar on Advanced Materials in Aerospace	
Level : College Level	
Venue / Mode : Google Meet (Online)	
No. of Days : Half day	Dates : 13.03.2021 (Saturday)
Funded by : NIL	
No. of Participants : 108	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : - Dr.Jitendra Kumar Katiyar, Assistant Professor, Department of Mechanical Engineering, SRM Institute of Science and Technology, Chennai.	
Outcome : The webinar focused on application of advanced materials used in Aircraft Structures. Speaker also Explained the importance of emission control and other environmental goals for the future.	
Remarks and Feedback on the Event : It was a nice interactive session. The expert had shared many info and views about the advanced materials used in Aerospace applications	
Plan of Implementing in HiCET (if any) : Nil	
  Signature of the Faculty	 HoD
 Principal	



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COIMBATORE - 641 032

Copy of the Event Brochure / Invitation:

The Institution of Engineers (India)
Coimbatore Local Centre

In association with
Department of Aeronautical Engineering
Hindusthan College of Engineering and Technology, Coimbatore
Organize

A webinar scheduled on 13th March 2021 (Saturday) at 10:30 AM
Topic: "Advanced materials in Aerospace"
by
Guest Speaker

Dr Jitendra Kumar Katiyar
Assistant Professor
Department of Mechanical Engineering
SRM Institute of Science and Technology
Chennai

<https://meet.google.com/mdq-duvv-bpu>

Dr P R Natarajan FIE
Chairman, IE(I), CLC

All are Cordially Invited

Dr H Rammohan MIE
Honorary Secretary, IE(I), CLC

Agenda

A webinar scheduled on 13th March 2021 (Saturday) at 10:30 AM
Topic: "Advanced materials in Aerospace"

- 10.31 am - 10.35 am Welcome Address by Dr P R Natarajan
Chairman
IE(I), Coimbatore Local Centre.
- 10.36 am - 10.40 am Presidential Address by Mr V T Gopinathan
Professor and Head
Department of Aeronautical Engineering
Hindusthan College of Engineering and Technology, Coimbatore.
- 10.41 am - 10.45 am Introduction of the Chief Guest by Mr V Saravana Kumar
Assistant Professor
Department of Aeronautical Engineering
Hindusthan College of Engineering and Technology, Coimbatore.
- 10.46 am - 11.05 am Chief Guest Address by Dr Jitendra Kumar Katiyar
Assistant Professor
Department of Mechanical Engineering
SRM Institute of Science and Technology
Chennai
- 11.26 am - 11.30 am Vote of Thanks by Dr H Rammohan
Honorary Secretary
IE(I), Coimbatore Local Centre.

Geo Tagged Photographs of Event – 2 Nos:



Disadvantages of Composites

- High cost
- Anisotropic behaviour
- Sensitivity to stress concentrations
- Sensitivity to humidity
- Test methods are not fully mature

Advanced Materials in Aerospace

Dr. Jitendra Kumar Katiyar
Research Assistant Professor
Department of Mechanical Engineering
SRM Institute of Science and Technology
Chennai, Coimbatore, India-641 013

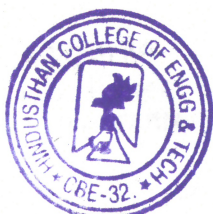
Future Aeronautical Materials

Problems to be solved

To take advantage of the improved properties of the multifunctional materials there is a need to **assess the effect of the additives** on the mechanical behavior of the material.
➤ possible **degradation** of the mechanical behavior of the material (e.g. strength, fatigue, etc.)

The new multifunctional materials reveal the **significance** of the material **production quality** on the entire multifunctional materials' concept as it affects directly the degree of internal defects.

The advancement of high quality multifunctional material production techniques at **affordable cost** and **scale** would appreciably **enhance the use of this promising category of materials in aircraft structural applications**.




Hindusthan

**College of Engineering and Technology,
Valley Campus, Pollachi Highway, Coimbatore 641 032.
www.hicet.ac.in**

Report for Seminar organized

Name of the Faculty : Mr.D.Baskar	
Department : ECE	Designation : Assistant Professor
Nature of the Event:Seminar	
Category: College Level	
Title : Science Day Celebration 2021 "Future of STI: Impacts on Education, Skills and Work"	
Venue : Conference Hall, Hindusthan College of Engineering and Technology	
No. of Days : 1	Dates : 27.02.2021
Funded by- IEI Coimbatore Local Centre	
No. of Participants :200	Registration charges (if any) : Nil
Name and Designation of Resource Person(s) : Mrs.Priya Senthil Motivational Speaker / Self-Confidence Coach Coimbatore.	
Outcomes of the Event : Students got exposure to the project-based learning utilising the modern developments in the field of Science and Technology. The question and response time gave lot of insights and clarifications to practice the learnt skills.	
Remarks and Feedback on the Event: The participants made feedback as a good interactive session with plenty of insights.	
Plan of Implementing in HiCET (if any) : More projects are expected from the students to solve variety of social problems through which a project expo is possible at the end of the academic year.	
Signature of the Faculty	Principal

HoD



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COIMBATORE - 641 032



The Institution of Engineers (India)
Coimbatore Local Centre

PSG College of Technology Campus
Peelamedu, Coimbatore - 641 004

in association with



HINDUSTHAN

COLLEGE OF ENGINEERING AND TECHNOLOGY

Organise

National Science Day 2021

"Future of STI: Impacts on Education, Skills and Work"

on

Date : 27.02.2021

**Venue :Conference Hall
HICET Campus**

Time:11.00AM – 12.30PM



Chief Guest

Mrs.Priya Senthil

**Motivational Speaker / Self-Confidence Coach
Coimbatore.**

has kindly consented to be the Chief Guest and deliver the address on

Science of Well - Being

All are requested to attend the function

Dr P R Natarajan FIE
Chairman

Dr H Rammohan
Honorary Secretary

Invitation Card



Name of the Centre	Coimbatore Local Centre
Title of Activity	Science Day Celebration 2021 "Future of STI: Impacts on Education, Skills and Work"
Date : 27.02.2020	Venue: Hindusthan College of Engineering and Technology



Dignitaries on the dais



Presentation of Mementos

The Institution of Engineers (India), Coimbatore Local Centre arranged an Expert Lecture meeting on 27.02.2021 at Hindusthan College of Engineering and Technology, Coimbatore. The topic for discussion was "Science of Well-Being".

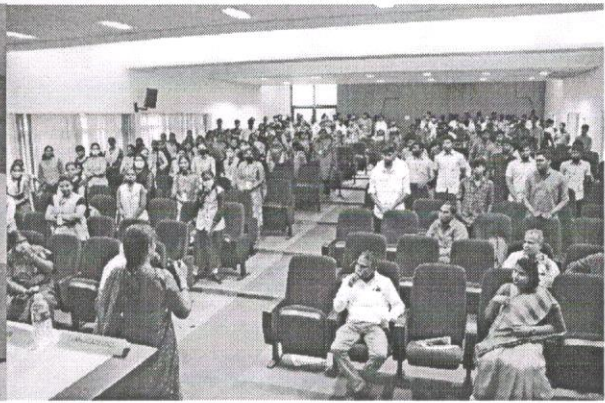
Dr.P.R.Natarajan, Chairman, IE(I) Coimbatore Local Centre welcomed the dignitaries, faculty members and students for joining function.

Dr.K.Karunakaran, Chief Executive Officer of Hindusthan Educational Institutions delivered the presidential address and shared his profound thoughts on Science, Technology and Innovation towards Education, Skills and Work. Dr.J.Jaya, Dean and Dr.P.N.Magudeswaran, Dean Academics of Hindusthan College of Engineering and Technology graced the occasion with their presence and felicitated the gathering. Heads and Professors of various departments adorned the event with their presence.

Mrs.PriyaSentil, Motivational Speaker / Self Confidence Coach delivered expert talk on the topic "Science of Well – Being". She shared her experiences and knowledge on enhancing the life of the audience with respect to Thinking, Emotions and Action – 'The TEA'. She explained the intelligence and attitude towards facing various challenges in life through real life examples and about the importance of living in the present with grateful heart and mind. There were around 200 participants in the expert lecture, all the participants appreciated the information provided by Mrs.PriyaSentil.

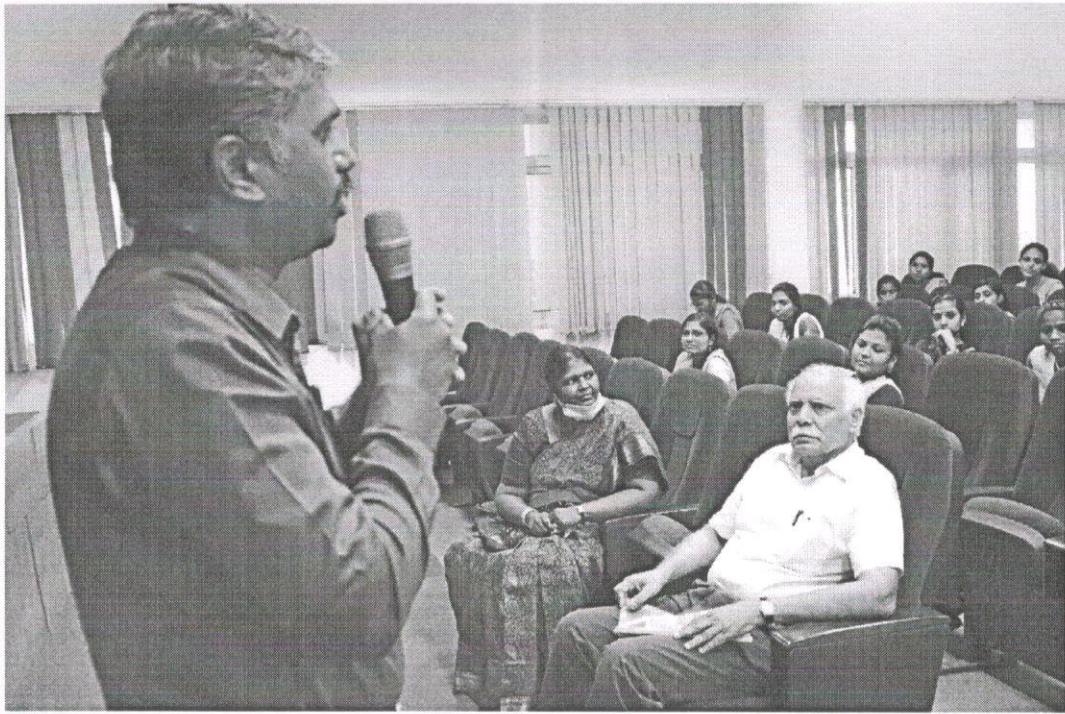
Dr.P.Rajeswari, Professor and Head of ECE department presented vote of thanks.





Expert Talk on 'Science of well-Being'





Feedback about the talk by Professor



Vote of thanks

