01. “Two day National workshop on “Electric Mobility and its Ecosystem”

17.02.2020 to 18.02.2020

Kiran Raj Koli, CDO AVERA Renewable Energy Moto Corp Tech PVT. LTD. Vijayawada

02. Five Day Online Faculty Development Program "Sustainable Mobility Solutions in the Indian Context"

27.07.2020 to 31.07.2020

About the Institute:

"Vallurupalli Nageswara Rao Vignana Jyothi Institute of Engineering and Technology" was established by the 'Vignana Jyothi' Society as a not -for- profit organization in the year 1995, with a motto to provide value-based higher education on par with international standards. The Philosophy of Vignana Jyothi unravels education as a process of "Presencing" that provides, both individually and collectively, to one's deepest capacity to sense and experience the knowledge and activities to shape the future.

The Institute is established with the permission of AICTE. Institute offers 9 B.Tech. 13 M.Tech., Ph.D. Programs. All the courses offered by the institute are affiliated to Jawaharlal Nehru Technological University Hyderabad, Hyderabad. The institute is recognized under section 2(f) and 12(B) of the UGC Act, 1956. The Institute is accorded Autonomous status by UGC for 6 years in 2012 and Extension of Autonomous Status is accorded for 10 years in 2018. Institute is Accredited by NAAC with 'A++' Grade and CGPA 3.73 in Cycle-II in 2018. The institution is granted with "College with Potential for Excellence (CPE)" status by UGC for five years w.e.f 2016. AICTE has identified the institute as a Research Institute under the National Doctoral Fellowship scheme and 5 Departments are recognized as Research Centres by JNTUH Hyderabad. Institute is certified by International Standards Organisation (ISO) with ISO 9001:2015 certificate. QS i-GAUGE awarded "Diamond" college rating and E-LEAD (E-Learning Excellence for Academic Digitation) Certification. MHRD, India has ranked the institute at 127th rank in the Engineering category and 151-200 rank band in the Overall category in NIRF 2020.

About the Department:

The Department of Automobile Engineering was started in the year 2010 with an intake of 60. Keeping itself up-to-date with the latest developments in the field with a dedicated team of highly qualified and experienced faculty in various streams of automobile engineering, the department consistently strives to provide world-class facilities for education and research. The Department has laboratories with a modern and state-of-art-equipment, well-furnished seminar hall and a library with a collection of various journals, magazines, and books. The Department also maintains a close liaison with many Industries through faculty research and collaborative projects. Industry training and identifying industry-relevant problems for research is a special characteristic of the programs offered by the department. Faculty members are continually publishing the results of their research work as technical papers in international and national journals and conferences.

Organising Committee

Chief Patrons

Dr. D.N. Rao, President-Vignana Jyothi

Mr. K. Harishchandra Prasad

General Secretary-Vignana Jyothi

Patron

Dr. C. D. Naidu, Principal, VNRVJIET

Convenor

Dr. T. Srinivasa Rao

Professor and Head, AED

E-Mail: aehead@vnrvjiet.in

Coordinators

Mr. Devunuri Suresh

Assistant Professor, AED

E-mail: suresh_d@vnrvjiet.in

Mobile: 9676541968

Mr. GVL Prasad

Assistant Professor, AED

E-mail: prasad_gvl@vnrvjiet.in

Mobile: 9391362304

Mr. Ch. Vamshikrishna

Assistant Professor, AED

E-mail: vamshikrishna_c@vnrvjiet.in

Mobile: 9989126302

In association with

Mahindra École Centrale

Five Day Online Faculty Development Program (FDP)

on

Sustainable Mobility Solutions in the Indian Context

(27th – 31st July 2020)

Organized by

Department of Automobile Engineering

VNR Vignana Jyothi Institute of Engineering and Technology

Vignana Jyothi Nagar, Pragathi Nagar

Nizampet (S.O), Hyderabad – 500 090

Telangana State, India

Overview of the Program:

The Automotive industry has matured strongly and accounted as an important pillar of the global industry. India is playing a predominant role in the global automotive industry stands as the sixth largest producer of automobiles. However, the rapid increase in fuel prices, coupled with concerns for the environment and air quality, has led automotive engineers to seek alternatives to a powertrain based on petroleum products. Alternative fuels like bio-fuels, propane, hydrogen, and natural gas in the gaseous and liquefied form are increasingly gaining market shares. In addition to the significant progress of conventional powertrains, the use of alternative fuels, that contribute to fuel economy and emissions reduction and the alternative powertrain technologies based on the electric traction are presenting new solutions to improve the transport system in terms of environmental quality and energy saving.

In a scenario where the social and ecological sustainability of surface transport is in the interest of the nation and industries, the Department of Automobile Engineering of VNR Vignana Jyothi Institute of Engineering and Technology, Hyderabad intended to organize a five-day faculty development programme on Sustainable Mobility Solutions in Indian Context. This FDP will address the technological developments regarding alternative energy sources and powertrain technologies to promote more sustainable mobility, which involves talking about alternative fuels like biofuels, natural gas, propane and hydrogen and alternative powertrain systems like electric, hybrid, plug-in hybrid, and fuel cell vehicles. This FDP also provides a platform for interaction where experts from industry, academia, and research institutes share their views and experience.

Objectives of the Program:

The main objective of this program is to enlighten the participants about the various advancements in the fields of sustainable mobility which would help them in pursuing their research at their respective institutes. The fundamental outcome is to update the audience with state-of-the-art developments in the area of sustainable mobility and kindle their research interest to develop more mobility solutions to meet the requirements.

Who Can Participate?

This Online Faculty Development Program (FDP) is open to Faculty members, Industry Professionals engaged in Automobile Engineering, any other allied areas, and Research Scholars and Post Graduate students.

How to Apply:

Eligible candidates may apply by submitting the details through the Google form before 26th July 2020 (12:00 PM).

No Registration Fee

https://forms.gle/tZzrnMGf1izxLwQZ6

Confirmation of Participation:

On receipt of the registration form, participants will be sent a confirmation of their participation through E-email by 26th July 2020. The details regarding schedule and link for online platforms will be shared only to registered participants through the mail. The number of participants for this program is limited to 250 only (first come first serve basis). E-Certificate will be provided to those who have attendance >75%, filled the daily feedback form.

Topics:

- Electric and Hybrid Electric Vehicles
- Electric Vehicle–Emission &Thermal Management
- PEM Fuel Cell Technology and Applications
- BS6 Emission Technology
- Hydrogen Fuel Technology for Mobility Application
- Well-to-Wheel Efficiency of Fuels in Indian Context

Resource Persons:

Eminent speakers with academic, industry, and research experience will share the current advances in sustainable mobility.

Dr.G. Naga Srinivasulu
Assoc. Prof., MED, NITW, Warangal.

Dr. V. Himabindu
Prof., Centre for Environment, JNTUH, Hyd.

Dr. Bhaskar Tamma
Prof., MED, Mahindra École Centrale, Hyd.

Dr. Manish K Agarwal
Asst. Prof., MED, Mahindra École Centrale, Hyd.

Mr. S. Bhanu Prakash
SQE, Mahindra &Mahindra, Zaheerabad

Dr. Shaik Amjad
Prof., AED, VNRVJIET, Hyd.

Mr. D. Suresh
Asst. Prof., AED, VNRVJIET, Hyd.

Stay Home Stay Safe and Wish you a Happy Learning

VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, NAAC Accredited with 'A++' Grade
Approved by AICTE, New Delhi, Affiliated to JNTUH
Recognized as "College with Potential for Excellence" by UGC
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad-500090

Certificate of Participation

This Certificate is to appreciate

Suresh Devunuri

From

VNRVJIET

for actively participating in the

Five Day Online Faculty Development Program (FDP) on "Sustainable Mobility Solutions in the Indian Context"

Organized by the **Department of Automobile Engineering** during

27th - 31st July 2020.

Reg. No: 072404140

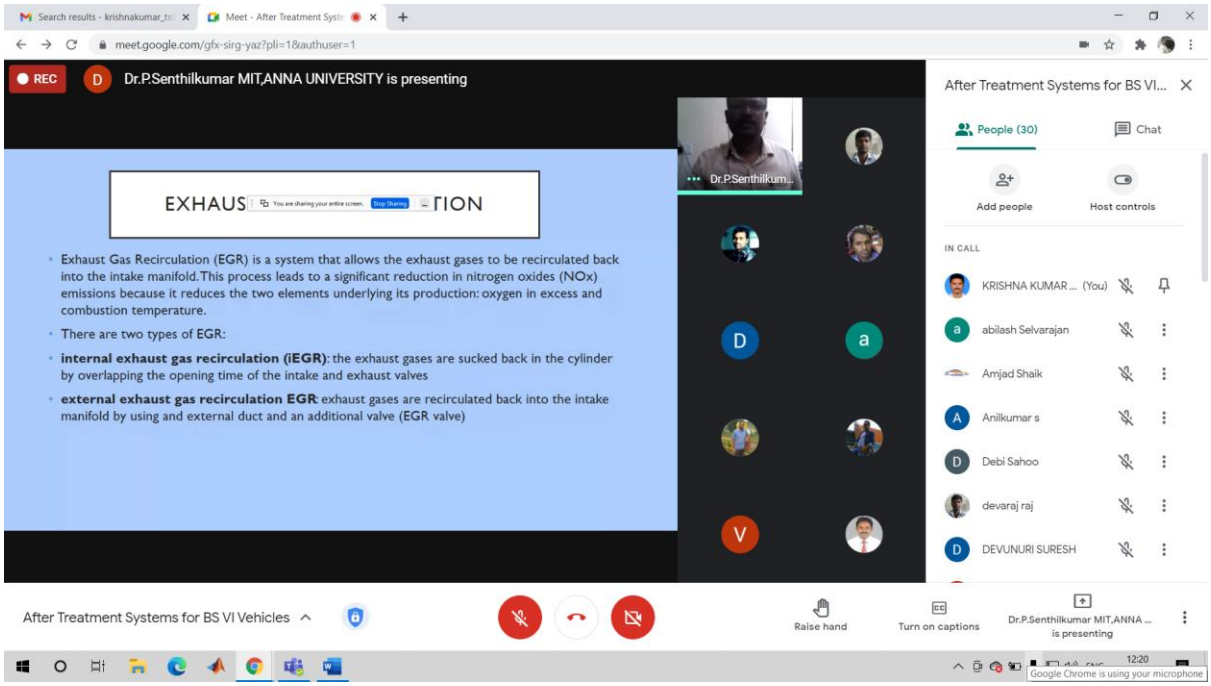
Mr. Suresh Devunuri
Co-ordinator

Dr. T. Srinivasa Rao
Prof. & Head/AE

Dr. C D Naidu
Principal

03. After Treatment systems for BS VI Vehicles 24.02.2021

Dr.P.Senthil Kumar, Associate professor, Automobile Engineering , MIT Campus, Anna University



VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous Institute, NAAC Accredited with 'A++' Grade
Approved by AICTE, New Delhi, Affiliated to JNTUH
Recognized as "College with Potential for Excellence" by UGC
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad-500090

Estd. 1995

Certificate of Participation

This Certificate is to appreciate

Mr. K. Kodanda Ram

From

VNR Vignana Jyothi Institute of Engineering and Technology

for actively participating in the One-Day Webinar on

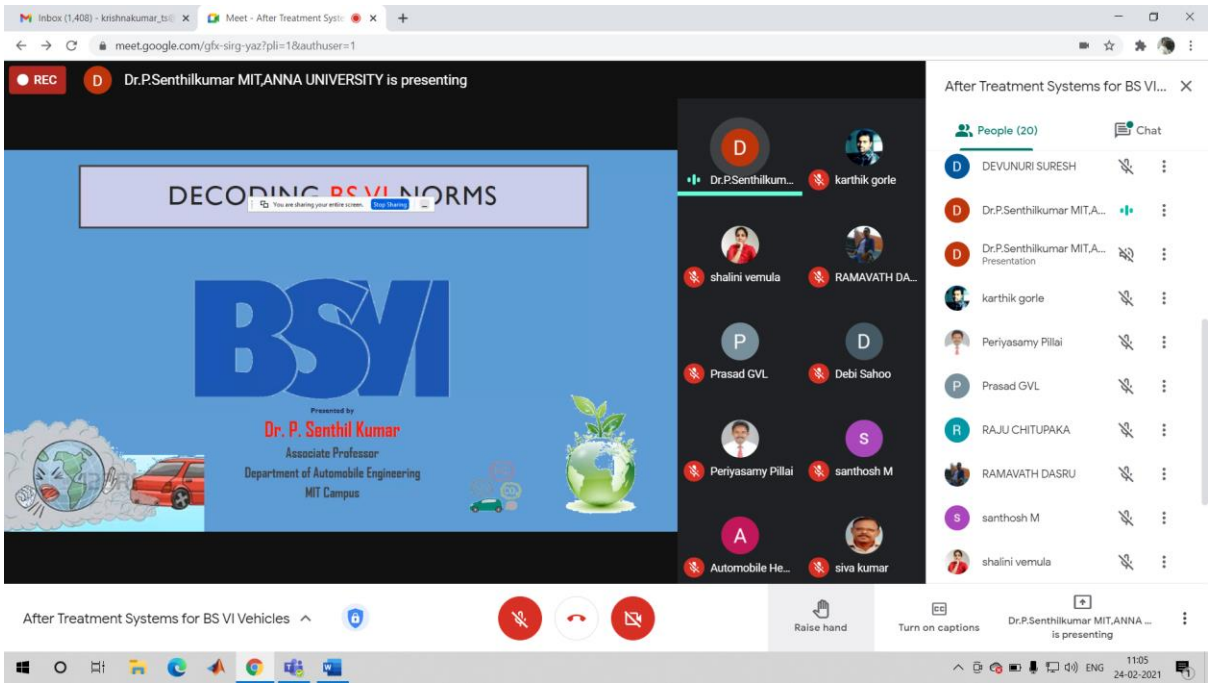
"After Treatment Systems for BS VI Vehicles"

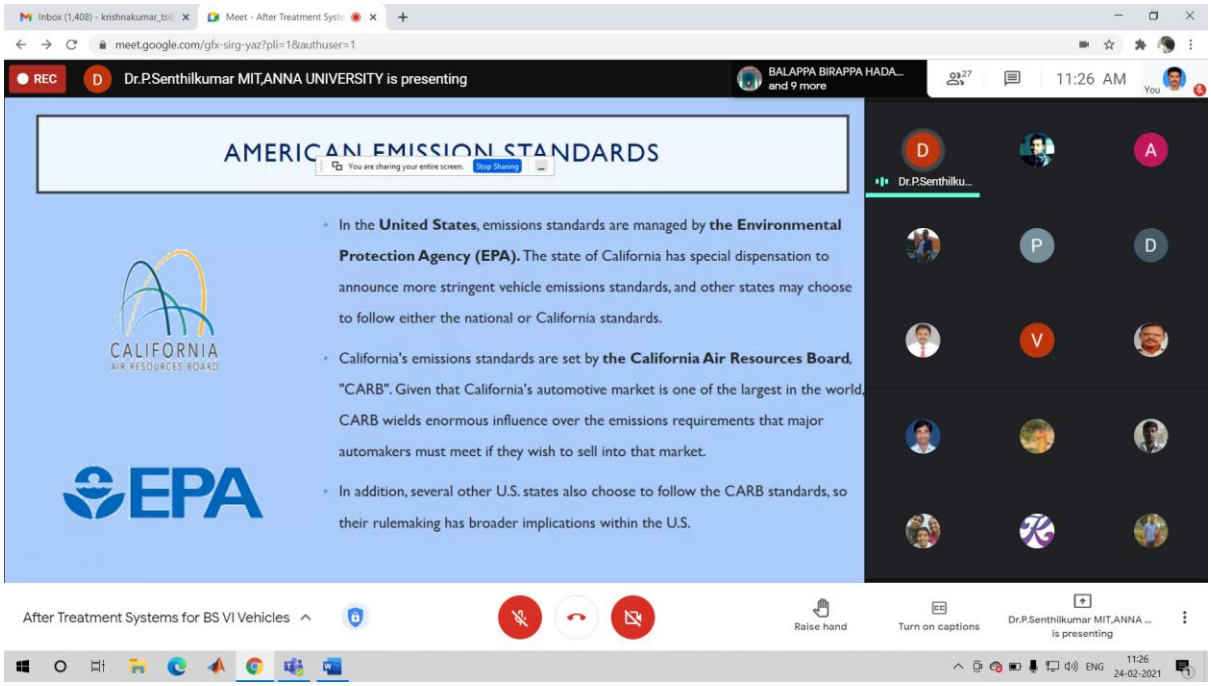
Organized by the **Department of Automobile Engineering** on **24 February 2021**

Mr. T.S. Krishna Kumar	Dr. T. Srinivasa Rao	Dr. C D Naidu
Co-ordinator	Prof. & Head/AE	Principal

04. Two-day National level Seminar on Characterization and Machinability Studies of Metal Matrix Composites & Friction stir welding

26.02.2021 To 27.02.2021

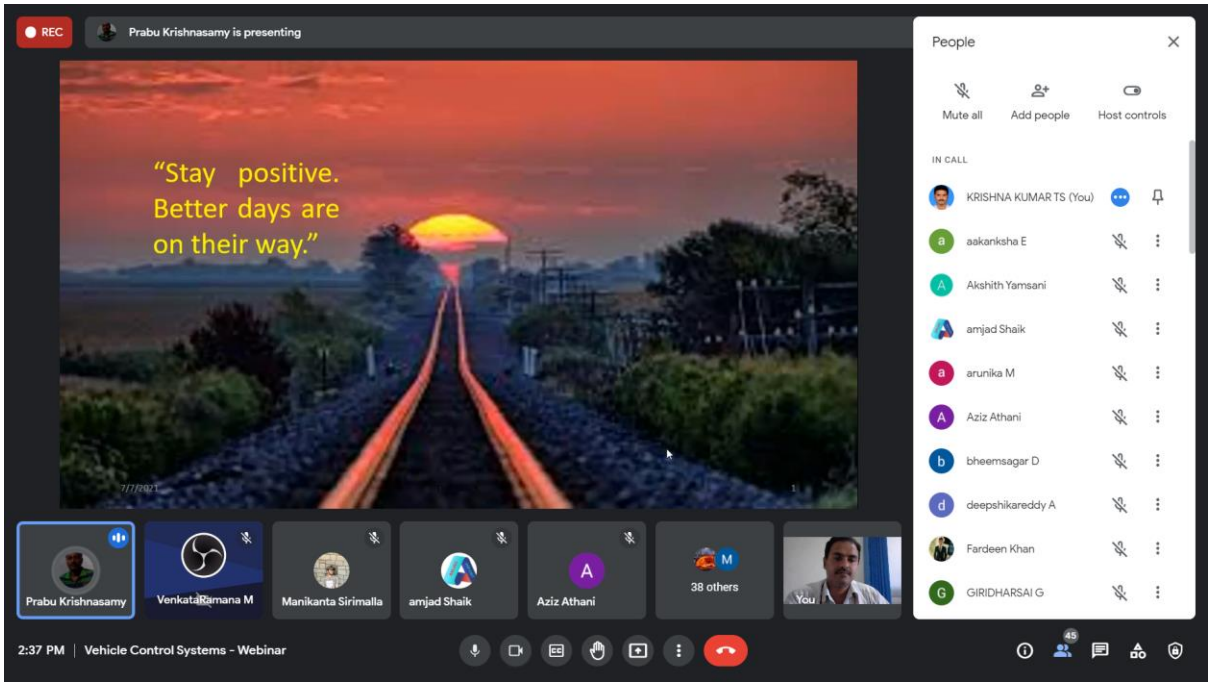


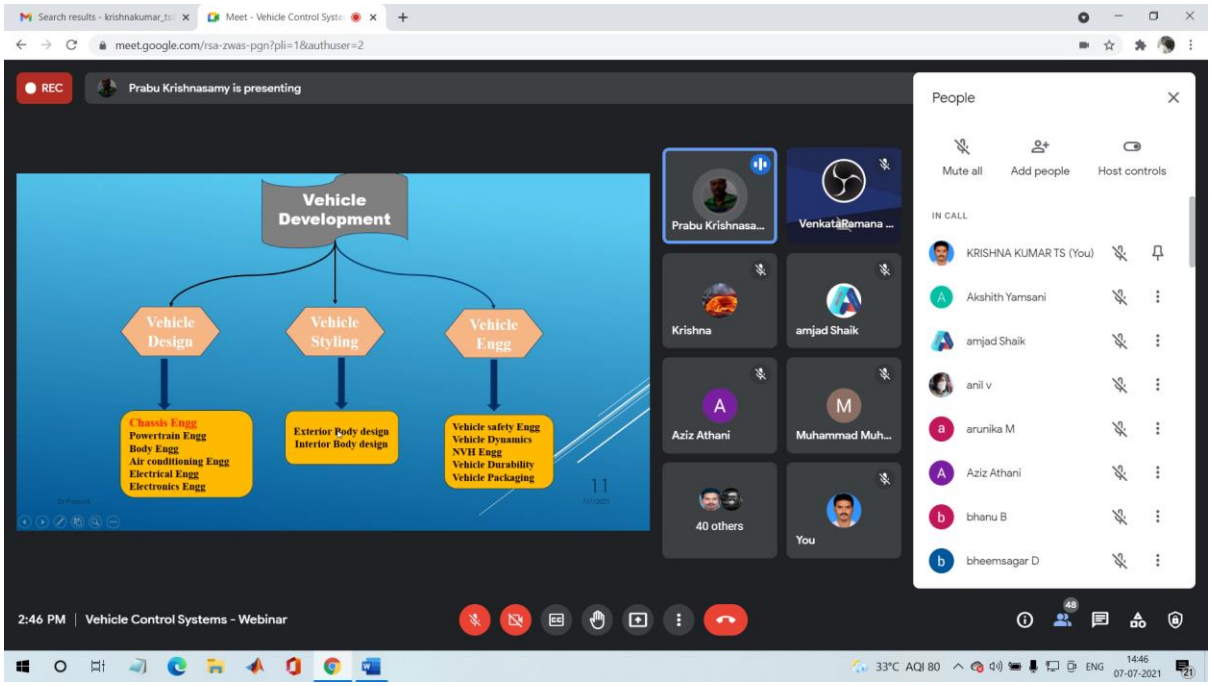


05. One-day National level Webinar on

06.07.2021

Dr.K Prabhu, Associate Professor, Dept. of Automobile Engineering, VIT.





06. 5-Day Faculty Development Program on “Fuel powered, Hybrid Electric and Modern Vehicles” (Virtual mode)

19.07.2021 to 24.07.2021

Introduction:

The fuel powered vehicles are main source of transportation from olden days. The fuel powered engine works on petroleum products. There has been drastic change in technologies of fuel powered vehicles, which focuses on engine design development, usage of alternate fuels like CNG, Biogas etc.

Hybrid electric vehicles are the combination of conventional and battery-powered electric vehicles. They can adopt the advantages and avoid the shortcomings of both. It has been recognized that HEVs are the major substitutes of conventional vehicles before chemical batteries have substantive progress in energy density, safety, and cost.

Fuel cell vehicles have been the feasible solution as the future high-efficiency and clean resources. Compared to conventional vehicles, fuel cell vehicles are independent from the petroleum by-products and are capable of high efficiency and zero emissions.

Modern vehicles are developed to assist the users with more efficient and reliable working environment. The various sensors used in Engine management system, Vehicle control system makes the ride more comfortable, safer, and efficient. The Autonomous vehicles are major source of interest for many companies. The actuators, sensors, processors are involved in high performance computers to execute complex data of modern vehicles.

Objectives:

- To create awareness on IC Engines, Fuel Cell and other alternative energy for automotive sector.
- To understand the fundamentals of self driving cars, digital manufacturing related to automotive technology.
- To understand the transition of Automotive industry from conventional to modern vehicles.

Contents:

- Electronic Fuel Management Systems for ICE
- PEM Fuel Cells
- From Biogas to Bio-CNG
- Alternate Energy for Automotive Applications
- 3D Printing and Design, IOT
- Hybrid Electric Vehicles
- Automotive design optimization by using AI
- Image Processing and Sensors

Resource Persons:

Dr. G. Nagarajan
Professor
CEG, Main Campus, Anna University, Chennai

Dr G. Naga Srinivasulu
Associate Professor, NIT, Warangal

Dr. B. B. Sahoo
Associate Professor, VIT, Vellore

Dr. P. Soma Sundaram
Professor, Kongu Engineering College, Erode

Dr. M. Venkat Ramana
Professor, VNRVJIET, Hyderabad

Dr. Amjad Shaik
Professor, VNRVJIET, Hyderabad

Mr. Kalyan Srinivas
Assistant Professor, VNRVJIET, Hyderabad

Mr. Anudeep
Assistant Professor, VNRVJIET, Hyderabad

Dr. R. Aruna
Associate Professor, Veltech University, Chennai

Mr. M. Naresh Kumar
Assistant Professor, GITAM University, Hyderabad

Mr. T. Srinivasa Rao
Assistant Professor, GITAM University, Hyderabad

Important Dates:
Last Date for receiving applications:

17th July 2021

Date of Intimation to the Selected Candidates: 18th July 2021

Registration Fee: No registration fee

Registration Link:
https://forms.gle/RTZ5V48Juv4LnCaP8

Contact Details:
Mr. T.S. Krishna Kumar, Assistant Professor
8526805763, krishnakumar_ts@vnrvjiet.in

APPLICATION FORM

5-Day Faculty Development Program on
“Fuel powered, Hybrid Electric and Modern Vehicles”

19-24 July 2021

Name (in Block Letters): .....

.....

Qualification : .....

Experience : .....

Designation : .....

Department : .....

Organization : .....

Address for Communication : .....

.....

.....

E-mail : .....

Mobile No : .....

Office Phone No. : .....

Place:

Date:

Signature of the candidate

5-Day Faculty Development Program on

“Fuel powered, Hybrid Electric and Modern Vehicles”

19-24 July 2021

Estd.1995

Organized by
Department of Automobile Engineering
VNR Vignana Jyothi Institute of Engineering and Technology
An Autonomous Institute & Accredited by NAAC with ‘A++’ Grade
Bachupally, Nizampet (S.O)
Hyderabad-500090
Telangana State, INDIA

www.vnrvjiet.ac.in

About the College

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), sponsored by “VIGNANA JYOTHI”, an educational society, started by a group of Industrialists, Technocrats and Professionals, has started functioning from the year 1995. The Institute is an established, premier research and innovation driven engineering college which has made a mark for itself in providing quality education for more than two decades. The Institute is approved by AICTE and affiliated to JNTUH. The Institute offers 13 B.Tech. and 13 M.Tech. and Ph.D. (AICTE-NDF, JNTUH) Programmes with 6500 students on rolls. It has UGC Autonomous status up to A.Y. 2028-2029 and has been accredited by NAAC “A++” grade, B.Tech. programs CE, EEE, ME, ECE, CSE, EIE, IT are accredited by NBA.The Institute got 127 NIRF rank in Engineering category in NIRF 2020. It is consistently ranked among the top few engineering colleges at the national level and in both the states of Telangana and Andhra Pradesh. The Institute is also rated “Diamond” in Overall category by QS I-GAUGE.

About the Department

The Department of Automobile Engineering commenced with an undergraduate programme in the year 2010. Keeping itself up-to-date with the latest developments in the field with a dedicated team of highly qualified and experienced faculty in various streams of automobile engineering, the Department consistently strives to provide world-class facilities for education and research. The Department has laboratories with modern and state-of-the-art equipment, well-furnished seminar hall and a library with a collection of various journals, magazines and books. The Department also maintains a close liaison with a number of Industries through faculty research and collaborative projects. Industry training and identifying industry relevant problems for research is a special characteristic of the programmes offered by the Department. Faculty members are continually publishing the results of their research work as technical papers in international and national journals and conferences.

Patrons:
Dr. D. N. Rao
President, Vignana Jyothi
Sri. K. Harishchandra Prasad
General Secretary, Vignana Jyothi

Co-Patron:
Dr. C. D. Naidu
Principal, VNRVJIET

Chief Advisors:
Dr. B. Chennakesava Rao
Director for Advancement, Dean-Admin., VNRVJIET
Dr. K. Anuradha, Professor, Dean-Academics, VNRVJIET

Convener:
Dr. T. Srinivasa Rao
Professor & Head
Department of Automobile Engineering

Coordinator:

Mr. T.S. Krishna Kumar	Assistant Professor

Co-Coordinators:

Mr. M. Venkata Ramarao	Assistant Professor
Mr. MohamadAziz Athani	Assistant Professor
Mr. M. Krishna	Assistant Professor

Organizing committee Members:

Dr. M. Venkata Ramana	Professor
Dr. Shaik Amjad	Professor
Mr. G.V.L. Prasad	Assistant Professor
Mr. T. Praveen Kumar	Assistant Professor
Mr. R. Ramu	Assistant Professor
Mr. T. Raju	Assistant Professor
Mr. Ch. VamshiKrishna	Assistant Professor
Mr. B. Pavan Bharadwaja	Assistant Professor
Mr. D. Suresh	Assistant Professor
Ms. J. Snothaswini	Assistant Professor
Dr. V. Rathinam	Assistant Professor
Mr. Nagaraj A Shet	Assistant Professor
Mr. Balappa Hadagali	Assistant Professor
Ms. K. Gowthami	Assistant Professor

VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2020) 127 Rank in in Engineering Category
Recognized as "College with Potential for Excellence" by UGC
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.

Estd. 1995

CERTIFICATE OF PARTICIPATION

This is to Certificate that

Sahil Pahda

from

GCET Jammu

has participated in the 5-Day FDP on "**Fuel powered, Hybrid Electric and Modern Vehicles**" organized by Department of Automobile Engineering, VNRVJIET, Hyderabad, during 19-24 July 2021

Mr. T.S. Krishna Kumar
Co-ordinator

Dr. T. Srinivasa Rao
Prof. & Head/AE

Dr. C D Naidu
Principal

VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
Approved by AICTE, New Delhi, Affiliated to JNTUH, NIRF (2020) 127 Rank in in Engineering Category
Recognized as "College with Potential for Excellence" by UGC
Vignana Jyothi Nagar, Pragathi Nagar, Nizampet (S.O), Hyderabad – 500 090, TS, India.

Estd. 1995

CERTIFICATE OF PARTICIPATION

This is to Certificate that

Rutam Biswal

from

University of Allahabad

has participated in the 5-Day FDP on "**Fuel powered, Hybrid Electric and Modern Vehicles**" organized by Department of Automobile Engineering, VNRVJIET, Hyderabad, during 19-24 July 2021

Mr. T.S. Krishna Kumar
Co-ordinator

Dr. T. Srinivasa Rao
Prof. & Head/AE

Dr. C D Naidu
Principal

07. Future scope for Automobile Engineers 03.09.2021

About the Webinar

Automobile Engineering is one of the important branches in Engineering. Indian automotive industry is the Fifth largest vehicle manufacturers in the world with an annual production of 23 million vehicles (in FY 2020-21).

In 2009,the vehicles per 1000 people of India is 18.
In 2015,the vehicles per 1000 people of India is 22.
In 2021,the vehicles per 1000 people of India is 30.

The Automotive industry is one of the major sector accounting 22% of the countries manufacturing GDP.

Today an Automotive Engineer works in every area of the industry, from the look and mechanism of cars, security and safety of new forms of transport.

Automobile Engineer's major task is to design, develop, manufacture & testing of vehicles from the concept stage to the production stage.

Top job profiles offered to Automobile Engineers by the top Indian and Foreign automotive companies like Ford, Hyundai, Renault Nissan, Volvo, Toyota, Royal Enfield, BMW, John Deer etc:

- Executive and Managerial Positions
- Driver Instrumentation Engineer
- Senior Production Engineer
- Automobile Designer
- Automotive Sales Engineer
- Dealer Account Manager
- Quality Engineer
- Service Engineer

Objectives:

- To Create awareness to the participants about the scope of Automobile Engineering

Contents:

- Future Scope for Automobile Engineers

Resource Person:

Dr. P. Mannar Jawahar., B.Sc., DMIT., M.E., Ph.D., PDR
Vice Chancellor – Karunya University
Ex. Vice Chancellor - Anna University

Registration Link:
https://forms.gle/hEEPPhcvrZ1t1boX6

Registration Fee: No registration fee

Important Dates:

Last Date for receiving applications:

01st September 2021

Date of Intimation to the Selected Candidates:

02nd September 2021

Google meet link:

https://meet.google.com/vxw-ioew-rty

Contact Details:

Mr. T.S. Krishna Kumar

Mobile No: 8526805763

E-mail: krishnakumar_ts@vnrvjiet.in
Web site: www.vnrvjiet.ac.in

APPLICATION FORM
Webinar on

FUTURE SCOPE FOR AUTOMOBILE ENGINEERS

03rd September 2021

Name (in Block Letters): .....

.....

Qualification : .....

Experience : .....

Designation : .....

Department : .....

Organization : .....

Address for Communication : .....

.....

.....

E-mail : .....

Mobile No : .....

Office Phone No.: .....

Place:

Date:

Signature of the candidate

Webinar on

FUTURE SCOPE FOR AUTOMOBILE ENGINEERS

03rd September 2021

Estd.1995

Organized by

Department of Automobile Engineering
VNR Vignana Jyothi Institute of Engineering and Technology
An Autonomous Institute & Accredited by
NAAC with 'A++' Grade
Pragathi Nagar, Nizampet (S.O)
Hyderabad-500090
Telangana State, INDIA

About the College

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), sponsored by "VIGNANA JYOTHI", an educational society, started by a group of Industrialists, Technocrats and Professionals, has started functioning from the year 1995. The Institute is an established, premier research and innovation driven engineering college which has made a mark for itself in providing quality education for more than two decades. The Institute is approved by AICTE and affiliated to JNTUH. The Institute offers 13 B.Tech. and 13 M.Tech. and Ph.D. (AICTE-NDF, JNTUH) Programmes with 6500 students on rolls. It has UGC Autonomous status up to A.Y. 2028-2029 and has been accredited by NAAC "A++" grade, B.Tech. programs CE, EEE, ME, ECE, CSE, EIE, IT are accredited by NBA.The Institute got 127 NIRF rank in Engineering category in NIRF 2020. It is consistently ranked among the top few engineering colleges at the national level and in both the states of Telangana and Andhra Pradesh. The Institute is also rated "Diamond" in Overall category by QS I-GAUGE.

About the Department

The Department of Automobile Engineering commenced with an undergraduate programme in the year 2010. Keeping itself up-to-date with the latest developments in the field with a dedicated team of highly qualified and experienced faculty in various streams of automobile engineering, the Department consistently strives to provide world-class facilities for education and research. The Department has laboratories with modern and state-of-the-art equipment, well-furnished seminar hall and a library with a collection of various journals, magazines and books. The Department also maintains a close liaison with a number of Industries through faculty research and collaborative projects. Industry training and identifying industry relevant problems for research is a special characteristic of the programmes offered by the Department. Faculty members are continually publishing the results of their research work as technical papers in international and national journals and conferences.

Patrons:
Dr. D. N. Rao
President, Vignana Jyothi
Sri. K. Harishchandra Prasad
General Secretary, Vignana Jyothi

Co-Patron:
Dr. C. D. Naidu
Principal, VNRVJIET

Chief Advisors:
Dr. B. Chennakesava Rao
Director for Advancement, Dean-Admin., VNRVJIET
Dr. K. Anuradha, Professor, Dean-Academics, VNRVJIET

Convener:
Dr. T. Srinivasa Rao
Professor & Head
Department of Automobile Engineering

Coordinator:

Mr. T.S. Krishna Kumar	Assistant Professor

Co-Coordinator:

Mr. R. Ramu	Assistant Professor
Mr. M. Krishna	Assistant Professor

Organizing committee Members:

Dr. M. Venkata Ramana	Professor
Dr. Shaik Amjad	Professor
Mr. G.V.L. Prasad	Assistant Professor
Mr. T. Praveen Kumar	Assistant Professor
Mr. T. Raju	Assistant Professor
Mr. Ch. VamshiKrishna	Assistant Professor
Mr. B. Pavan Bharadwaja	Assistant Professor
Mr. D. Suresh	Assistant Professor
Mr. M. Venkata Ramarao	Assistant Professor
Mr. MohamadAziz Athani	Assistant Professor
Ms. J. Snothaswini	Assistant Professor
Dr. V. Rathinam	Assistant Professor
Mr. Nagaraj A Shet	Assistant Professor
Mr. Balappa Hadagali	Assistant Professor
Ms. K. Gowthami	Assistant Professor

08. THREE DAY-NATIONAL LEVEL SEMINAR on "Future Vehicle Technologies for Green Environment" NSFVTGE'22
16.02.2022 To 18.02.2022

FDP on Emerging Technologies in Automotive Industry

About the Institute:

VNR Vignana Jyothi Institute of Engineering and Technology (VNRVJIET), sponsored by "VIGNANA JYOTHI", an educational society, started by a group of Industrialists, Technocrats and Professionals, has started functioning from the year 1995. The Institute is an established, premier research and innovation driven engineering college which has made a mark for itself in providing quality education for more than two decades. The Institute is approved by AICTE and affiliated to JNTUH. The Institute offers 13 B.Tech. and 13 M.Tech. and Ph.D. (AICTE-NDF, JNTUH) Programmes with 6500 students on rolls. It has UGC Autonomous status up to A.Y. 2028-2029 and has been accredited by NAAC "A++" grade, B.Tech. programs CE, EEE, ME, ECE, CSE, EIE, IT are accredited by NBA. The Institute got 127 NIRF rank in Engineering category in NIRF 2020. It is consistently ranked among the top few engineering colleges at the national level and in both the states of Telangana and Andhra Pradesh. The Institute is also rated "Diamond" in Overall category by QS I-GAUGE.

About the Department:

The Department of Automobile Engineering was started in the year 2010 with an intake of 60. Keeping itself up to date with the latest developments in the field with a dedicated team of highly qualified and experienced faculty in various streams of automobile engineering, the department consistently strives to provide world-class facilities for education and research. The Department has laboratories with a modern and state-of-art-equipment, well-furnished seminar hall and a library with a collection of various journals, magazines, and books. The Department also maintains a close liaison with many Industries through faculty research and collaborative projects. Industry training and identifying industry-relevant problems for research is a special characteristic of the programs offered by the department. Faculty members are continually publishing the results of their research work as technical papers in international and national journals and conferences.

Patrons:

Dr. D. N. Rao
President, Vignana Jyothi

Sri. K. Harishchandra Prasad
General Secretary, Vignana Jyothi

Co-Patron:

Dr. C. D. Naidu
Principal, VNRVJIET

Chief Advisors:

Dr. B. Chennakesava Rao
Director for Advancement, Dean-Admin., VNRVJIET

Convener:

Dr. T. Srinivasa Rao Professor & Head
Department of Automobile Engineering

Coordinators

Mr. Devunuri Suresh	Assistant Professor
Mr. Ch. Vamshikrishna	Assistant Professor
Mr. B. Pavan Bharadwaja	Assistant Professor

Organizing committee Members:

Dr. M. Venkata Ramana	Professor
Dr. Shaik Amjad	Professor
Mr. G.V.L. Prasad	Assistant Professor
Mr. T. Praveen Kumar	Assistant Professor
Mr. R. Ramu	Assistant Professor
Mr. T. Raju	Assistant Professor
Mr. M. Venkata Ramarao	Assistant Professor
Mr. MohamadAziz Athani	Assistant Professor
Mr. M. Krishna	Assistant Professor
Ms. J. Snothaswini	Assistant Professor
Dr. V. Rathinam	Assistant Professor
Mr. Nagaraj A Shet	Assistant Professor
Mr. Balappa Hadagali	Assistant Professor
Mr. T.S. Krishna Kumar	Assistant Professor
Ms. K. Gowthami	Assistant Professor

Five Day Online Faculty Development Program (FDP)

on

Emerging Technologies in Automotive Indusrtry

(16th – 20th AUGUST 2021)

Organized by

Department of Automobile Engineering

VNR Vignana Jyothi Institute of Engineering and Technology

Vignana Jyothi Nagar, Pragathi Nagar
Nizampet (S.O), Hyderabad – 500 090
Telangana State, India

Overview of the Program:

The Automotive industry has matured strongly and accounted as an important pillar of the global industry. India is playing a predominant role in the global automotive industry stands as the sixth largest producer of automobiles. However, the rapid increase in fuel prices, coupled with concerns for the environment and air quality, has led automotive engineers to seek alternatives to powertrain. Alternative fuels like biofuels, propane, hydrogen, and natural gas in the gaseous and liquefied form are increasingly gaining market shares. In addition to the significant progress of conventional powertrains, the use of alternative fuels, that contribute to fuel economy and emissions reduction and the alternative powertrain technologies based on the electric traction are presenting new solutions to improve the transport system in terms of environmental quality and energy saving.

The main objective of this program is to enlighten the participants about the various advancements in the fields of mobility which would help them in pursuing their research at their respective institutes. The fundamental outcome is to update the audience with state-of-the-art developments in mobility and kindle their research interest to develop more mobility solutions to meet the requirements

Objectives of the Program:

The main objective of this program is to enlighten the participants about the various advancements in the fields of sustainable mobility which would help them in pursuing their research at their respective institutes. The fundamental outcome is to update the audience with state-of-the-art developments in sustainable mobility and kindle their research interest to develop more mobility solutions to meet the requirements.

Who Can Participate?

This Online Faculty Development Program (FDP) is open to Faculty members, Industry Professionals engaged in Automobile Engineering, any other allied areas, and Research Scholars and Post Graduate students.

How to Apply:

Eligible candidates may apply by submitting the details through the Google form before 15th August 2021.

No Registration Fee

https://forms.gle/fRfHskfaAqBTUbcX6

Confirmation of Participation:

On receipt of the registration form, participants will be sent a confirmation of their participation through E-email by 15th August 2021. The details regarding schedule and link for online platforms will be shared only to registered participants through the mail. The number of participants for this program is limited to 250 only (first come first serve basis). E-Certificate will be provided to those who have attendance >75%, filled the daily feedback form.

Topics:

- Technology of Materials for Sustainable Transportation
- Charging Stations for Electric Vehicle
- Battery Swapping Technology
- Application of E-Mobility for Industrial Transport
- Recent Trends in Fuel Cell Applications
- Traction Electrics for E-Mobility
- Construction of Motors for E-Mobility
- Design Optimization of Motors for E-Mobility
- Opportunities for Start-up in E-Mobility
- Connected Vehicles

Contact Details

Mr. D. Suresh, Asst. Professor,
suresh_d@vnrvjiet.in

Resource Persons:

Eminent speakers with academic, industry, and research experience will share the current advances in sustainable mobility.

Dr. R. Gopalan
Director, ARCI, Chennai.

Mr. M. Desai
DGM, ARAI, Pune.

Mr. S. Ravi
Hybrid Fuel Solutions Pvt. Ltd.

Mr. Jatil Sharma
MD, Tejaswi Green Energy Pvt. Ltd.

Dr. U.K Choudhury
Prof & Director (I&I), CBIT, Hyd.
(Ex. ED, CTM, BHEL)

Mr. S. Easwar Rao
Sr. DGM, BHEL R&D

Mr. Balwanth Reddy,
Manager, BHEL R&D

Dr. Y. Chandra Shekar,
Asst. Prof., Department of EEE, NITW

Mr. Shirish S. Mane,
Asst. Prof., Department of AE, RIT, Sangli

Five Day Faculty Development Program
on
EMERGING TECHNOLOGIES IN AUTOMOTIVE INDUSTRY
16th – 20th August 2021
Coordinators
Mr. D. Suresh, Ch. Vamshikrishna, B. Pavan Bharadwaja

Day/Time	10:30 am to 12:00 am		02:30 pm to 04:00 pm
16.08.2021 (Mon)	Inauguration and Keynote Session on Technology of Materials for Sustainable Clean Energy Transportation By *Dr. R. Gopalan, Director, ARCI, Chennai*		Certification Testing of Electric & Hybrid Vehicles in India By *Mr. M. Desai, DGM, ARAI, Pune*
17.08.2021 (Tue)	Application of E-Mobility for Industrial Transport Application By *Mr. Jatil Sharma, MD, Tejaswi Green Energy Pvt. Ltd. Hyderabad*	B R E A K	Charging Stations for Electric Vehicles By *Mr. S. Eswar Rao, Sr. DGM, BHEL R&D, Hyderabad*
18.08.2021 (Wed)	Recent Trends in Fuel Cell Applications By *Mr. S. Ravi, Hybrid Solutions Pvt. Ltd. Delhi*		Development of Traction Electrics for E-mobility Application By *Mr. Balwanth Reddy, MANAGER, BHEL R&D, Hyderabad*
19.08.2021 (Thu)	Connected Vehicles By *Mr. Shirish S Mane, Asst.Professor, RIT, Sangli*		Multi-Objective Optimal Scheduling of Electric Vehicle batteries in Battery Swapping Station By *Dr. Y. Chandrashekar, Asst.Professor, NITW, Warangal.*
20.08.2021 (Fri)	Trends, Challenges and Construction for Compact & Energy efficient Special motors for electric mobility By *Dr. U.K. Choudhury, Prof & Director (I&I), CBIT, Hyderabad. (Ex. Executive Director, CTM, BHEL)*		Design Optimization of PM and Induction motors to suit E-mobility application & Opportunities for startups. By *Dr. U.K. Choudhury, Prof & Director (I&I), CBIT, Hyderabad. (Ex. Executive Director, CTM, BHEL)*