

## INTRODUCTION

Vehicular pollution has become a major problem in urban areas due to the exponential rise in the number of automobiles. Typical exhaust emissions which include nitrogen oxides (NO<sub>x</sub>), hydrocarbons (HC), carbon monoxide (CO), soot and particulate matter (PM) undoubtedly have an unpleasant effect on the environment. Many pollution control bodies are taking this matter vigorously and issuing stringent emission norms which are to be complied strictly. Thus, regulation of these harmful pollutants is the need of the hour. Alternative fuels such as biodiesels and alcohols which are considered as a potentially viable solution for the problem of fossil fuel depletion also tend to require exhaust gas after-treatment in order to comply with the upcoming emission norms. Hence, this webinar attempts to give a brief insight on the development and advances of different after-treatment devices like diesel particulate filter (DPF), lean NO<sub>x</sub> trap (LNT), diesel oxidation catalyst (DOC) and selective catalytic reduction (SCR).

### Objectives:

1. To Create awareness among the participants about the importance of Bharat Stage VI Norms.
2. To impart the knowledge related to various types of After treatment processes in BS VI Vehicles

### Contents:

Selective catalytic reduction  
Diesel oxidation catalyst  
Exhaust gas recirculation

## Resource Person:

Dr. P. Senthil Kumar,  
Associate Professor,  
Department of Automobile Engineering,  
MIT Campus, Anna University

### Important Dates:

Last Date for receiving applications: 21<sup>st</sup> February 2021

### Date of Intimation to the Selected

Candidates: 22<sup>nd</sup> February 2021

Registration Fee Details: No Registration Fee

### Registration Link:

<https://forms.gle/PjeKpRtCF84yFpHS8>

### Contact Details:

Mr. T. S. Krishnakumar 8526805763

Mr. T. Praveen Kumar 9493935138

Mr. G.V.L. Prasad 9391362304

Mr. M. Krishna 7569911756

### E-mail:

[krishnakumar\\_ts@vnrvjiet.in](mailto:krishnakumar_ts@vnrvjiet.in)

[praveenkumar\\_t@vnrvjiet.in](mailto:praveenkumar_t@vnrvjiet.in)

Website: [www.vnrvjiet.ac.in](http://www.vnrvjiet.ac.in)

## APPLICATION FORM National level Webinar on

## AFTER TREATMENT SYSTEMS FOR BS VI VEHICLES

24<sup>th</sup> FEBRUARY 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

**NATIONAL LEVEL WEBINAR ON  
AFTER TREATMENT SYSTEMS FOR  
BS VI VEHICLES  
24<sup>th</sup> FEBRUARY 2021**



**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**

**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 9 B.Tech. and 13 MTech. 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 109 NIRF rank in Engineering category in NIRF 2019. 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 QSIGAUCE.

**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

**Convener:**

Dr. T. Srinivasa Rao  
Head of Department – Automobile Engineering

**Co-Ordinator:**

Mr. T.S. Krishnakumar                      Assistant Professor

**Co-Coordinator:**

Mr. T. Praveen Kumar                      Assistant Professor  
Mr. G.V.L. Prasad                              Assistant Professor  
Mr. M. Krishna                                  Assistant Professor

**Organizing committee Members:**

Dr. M. Venkata Ramana                      Professor  
Dr. Shaik Amjad                                  Professor  
Mr. K. Kodanda Ram                          Associate Professor  
Mr. R. Ramu                                      Assistant Professor  
Mr. T. Raju    Assistant Professor  
Mr. Ch. Vamsi Krishna                          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