Dear Sir / Madam,

Warm Greetings from Sinhgad College of Engineering, Pune

I am pleased to inform you that the Department of Mechanical Engineering of Sinhgad College of Engineering, Vadgaon (Bk), Pune is organizing one week Faculty Development Programme (FDP) titled 'Automotive Emissions and Control Technologies' on 8 – 12th October 2012 under Technical Education Quality Improvement Programme (TEQIP – II).

In this regard, we request you to inform the programme details to the faculty from your department. You can depute minimum two faculty members of your department to participate in the programme. The leaflet of the programme and Resource person list is attached herewith for your information and necessary action.

Look forward to your wholehearted support and cooperation

With warm regards,

Dr. Harish V. Vankudre
Head – Department of Mechanical Engineering
Vadgaon (Bk), Pune – 411 041
REGISTRATION FEE:
Faculty from academic institutions  Rs. 3000/-
Delegates from industry  Rs. 4000/-
Research scholars/PG students  Rs. 1500/-

The registration fee includes admission to all sessions, kit, proceeding (soft copy), Lunch and Snacks.

REGISTRATION:
Participants shall submit the duly filled application form either by post or in person to the Co-ordinator. Course fee should be paid by Cheque/DD/Cash in the name of "The Principal, Sinhgad College Of Engineering" Payable at Pune

ACCOMODATION AND TRAVEL:
The external participants will be provided with paid accommodation in college campus, if they intimate the co-ordinator in advance either by email or telephone.
No TA-DA will be given to the participants.

RESOURCE PERSONS:
Expert and Senior Faculty from ARAI, KOEL, MICO-BOSCH, EATON, TATA MOTORS, Pune

MAILING ADDRESS
To,
Prof. Sudarshan. B. Sanap
The Co-ordinator (AECT-2012),
Department of Mechanical Engineering,
Sinhgad College Of Engineering,
S. No. 44/1, Vadgaon (Bk.),
Off Sinhgad Road,
Pune-411 041

STES's
Sinhgad College Of Engineering
S. No. 44/1, Vadgaon (Bk.),
Off Sinhgad Road, Pune- 411 041 (Maharashtra)
Telephone: 020-24354705, 24100231
Fax : 020-24357243
Email: principal.scoe@singhad.edu
ABOUT STES
Sinhgad Technical Education Society was set-up in August 1993 under the able and dynamic leadership of Prof. M. N. Navale with an objective of providing quality education in the fields of Dentistry, Engineering, Management, Computer, Pharmacy, Architecture, Hotel Management, Science, Commerce and the basic school education from kindergarten onwards. There are more than 80 institutes under the aegis of STES offering full-fledged school education, Diploma, Graduation, Post Graduation courses and Ph.D. programmes in various branches of Engineering, Science and Management at eight educational campuses ideally located in pollution free lush green and picturesque environment conducive for learning.

ABOUT SCOCE
Sinhgad College of Engineering (SCOE) was established in the year 1996 – 1997 offering degree courses in Information Technology, Computer, Electronics & Telecommunication, Mechanical, Chemical, Civil Engineering, Production Engineering, Biotechnology and MBA. All the above courses are approved by All India Council Of Technical Education (AICTE), accredited by National Board of Accreditation (NBA), New Delhi and affiliated to University of Pune. The Directorate of Technical Education (DTE), Maharashtra State, Mumbai has awarded “A” grade to the college. This Institute has been selected for participation in the Second phase of Technical Education Quality Improvement Programme (TEQIP-Phase-II).
SCOCE is the youngest institute in Maharashtra to start Ph.D programmes.

LOCATION OF THE INSTITUTE:
The society has about 75-acre campus at Vagdaon(Budruk), Pune. This expanse of land, which is at picturesque hill top looking over a scenic beauty of western part of Pune City and is pollution free. This is about 8 km from Deccan Gymkhana (in Pune City) and approximately one km from Mumbai- Bangalore bypass high way at Sinhgad road. Bus No. 48 from Pune Station and Shivajinagar, Bus No. 54 from Swargate & Shaniwarwada and Bus No. 92 from Kothrud reach directly to the institute.

COURSE OBJECTIVE:
Automotive Emissions and its Control is a very relevant topic today. Scenario for future energy production, energy consumption, growth of population and trade are considered as major drives for emission legislation. The propulsion chain from energy via fuel and drive train is considered as a coupled system and innovation or breakthrough in one area will change the competitiveness for technologies in other areas. This programme covers some of the aspects of automotive emissions formation and means and modes of their control.

COURSE CONTENTS:
- Automotive Emission and Regulations
- Vehicle Control Technologies
- Engine Materials Tribology
- Fuel Injection System
- Transmission System
- Advances in I.C.Engine
- Exhaust Gas Recirculation
- Urea Injection
- In-cylinder emission control
- After treatment devices
- Catalysis and kinetics
- Mathematical Modelling of I.C.Engine
- CAE

WHO CAN ATTEND
Faculty from AICTE approved Engineering colleges, Industry Representatives, Research scholars, Post graduate student in Engineering can participate.

REGISTRATION
ONE WEEK FACULTY DEVELOPMENT PROGRAMME ON
AUTOMOTIVE EMISSION AND CONTROL TECHNOLOGIES
(AECT 2012)
"OCTOBER, 8-12, 2012"

1. Name:
2. Designation:
3. Department:
4. Institute/Organization:
5. Address for Correspondence:

Phone: ________________________ Mobile No: ________________________
Email: ________________________

6. In Campus paid Accommodation needed- YES / NO
7. Details of Registration Fee (DD must be drawn in favour of Principal, Sinhgad College of Engineering, payable at Pune
Amount: ________________________ DD No: ________________________

Bank name: ________________________

Date & Place: ________________________

Sign of Participant: ________________________
Sign & Seal of Sponsoring Authority: ________________________
### Resource Persons

<table>
<thead>
<tr>
<th>Name</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. Rajendra Bhamare</td>
<td>Dr. N.V. Marathe</td>
</tr>
<tr>
<td>ACP, Pune</td>
<td>Sr. Dy. Director, ARAI, Pune</td>
</tr>
<tr>
<td>Dr. Yogesh Aghav</td>
<td>Dr. Bhalchandra Deshmukh</td>
</tr>
<tr>
<td>Sr. GM, CRE, Kirloskar Oil Engines Ltd., Pune</td>
<td>Head: Off Highway Application Engineering Kirloskar Oil Engines Ltd., Pune</td>
</tr>
<tr>
<td>Dr. S. S. Thipse</td>
<td>Dr. S. V. Joshi</td>
</tr>
<tr>
<td>Asst. Director, ARAI, Pune</td>
<td>Principal, Dr. D. Y. P. COE, Pune</td>
</tr>
<tr>
<td>Mr. Lalitkumar Suryawanshi</td>
<td>Mr. Sanjay Chopane</td>
</tr>
<tr>
<td>Dr. Bagchi H.</td>
<td>Dr. J. L. Minase</td>
</tr>
<tr>
<td>Professor, SCOE, Pune</td>
<td>Asst. Professor, SCOE Pune</td>
</tr>
<tr>
<td>Mr. Kedar Kanase</td>
<td>Mr. Sahadev Panch</td>
</tr>
<tr>
<td>Sr. Manager, Corporate Research and Engineering Kirloskar Oil Engines Ltd., Pune</td>
<td>GM MICO-BOSCH, Pune</td>
</tr>
<tr>
<td>Dr. D. N. Malkhade</td>
<td>Mr. S. D. Rairikar</td>
</tr>
<tr>
<td>Professor, COEP, Pune</td>
<td>Sr. Project Engineer, ARAI, Pune</td>
</tr>
<tr>
<td>Dr. C. S. Pathak</td>
<td>Mr. P. G. Bhat</td>
</tr>
<tr>
<td>Professor, SCOE, Pune</td>
<td>Asst. Director, ARAI, Pune</td>
</tr>
<tr>
<td>Mr. Prashant Gangurde</td>
<td>Mr. M. D. Peshve</td>
</tr>
<tr>
<td>DGM, ERC, Engine TATA Motors, Pune</td>
<td>GM, ERC, Engine TATA Motors, Pune</td>
</tr>
</tbody>
</table>