



REPORT

*Pre Conference
Short Term Training Programme
on
IC engine testing and Simulation
(Hybrid Mode)
ICETS-2023
(October 10 - 14, 2023)*



Department of Mechanical Engineering
**Swami Keshvanand Institute of Technology,
Management & Gramothan, Jaipur**

Patrons

Shri Raja Ram Meel
Shri Surja Ram Meel

ADVISORS

Shri Jaipal Meel, Director
Prof. S.L. Surana, Director (Academics)
Ms. Rachna Meel, Registrar
Prof. Ramesh Pachar, Principal
Prof. R. K. Jain, Dean
Prof. Dheeraj Joshi, Head, ME Dept.

STTP Coordinators

Dr. Ashish Nayyar, Professor, ME Dept.
Dr. Chandan Kumar, Assoc. Professor, ME Dept.

Organizing Committee

Mr. Ankit Agarwal, Assoc. Professor, ME Dept.
Mr. Dinesh Kumar Sharma, Asst. Professor, ME Dept.
Mr. Naveen Kumar Sain, Asst. Professor, ME Dept.
Dr. Manoj Kumar Sain, Assoc. Professor, ME Dept.
Dr. Manu Augustine, Professor, ME Dept.
Mr. Praveen Saraswat, Assoc. Professor, ME Dept.
Mr. Brij Mohan Sharma, Asst. Professor, ME Dept.
Mr. Arun Beniwal, Asst. Professor, ME Dept.
Mr. Sandeep Kumar Bhaskar, Asst. Professor, ME Dept.
Ms. Monika Khurana, Asst. Professor, ME Dept.
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Organized By

Department of Mechanical Engineering
Swami Keshvanand Institute of Technology,
Management & Gramothan, Jagatpura,
Jaipur-302017 (INDIA)

Visit our Conference website: www.iconrer.skit.ac.in

ICETS - 2023

Registration

There will be no fee for registration.

To join this STTP, you are requested to register your name by clicking the following registration link / QR code:

<https://forms.gle/FTG5VshnRy28rkUC9>



*Scan the
QR to fill
the
registration
form*

Contents of STTP

- Alternative fuels and their impact on engine Performance
- Engine downsizing and turbocharging
- Hybrid and electric powertrains and their testing requirements
- Hands-on sessions using testing equipment and simulation softwares
- Troubleshooting and problem-solving in engine testing and simulation
- Safety protocols during engine testing
- Environmental impact and sustainability of alternative fuels
- Compliance with regulations and standards
- Exploration of cutting-edge research and development in IC engines
- Trends in alternative fuels, hybridization, and electrification
- Industry insights and career opportunities in engine testing and simulation

RESOURCE PERSON

The various sessions of this STTP will be taken by renowned experts from IITs, NITs and various reputed institutions.

About SKIT

Swami Keshvanand Institute of Technology, Management & Gramothan (SKIT) inspired from the learnings of Swami Keshvanand, was established in the year 2000 by Technocrats and Managers Society for Advanced Learning. Today the institute is recognized as one of the centers of academic excellence in Northern India. SKIT is the only affiliated technical institute in Rajasthan to have earned an A++ grade by NAAC. The Institute is affiliated to Rajasthan Technical University, Kota for offering Postgraduate and Graduate Courses in Engineering and Management. SKIT has been ranked No.1 in Engineering Program in Rajasthan consecutively for the last six years by RTU, Kota.

SKIT is putting in efforts for making industry ready engineers and managers through effective Industry –Institute Interface. Apart from the University curriculum SKIT also pursues activities for research and development in various fields. The green landscaping, aesthetic elegance of arches and the vibrant pursuit of knowledge by the young aspirants make the environment serene, pleasant, and dynamic. Students joining the institute share the box full of opportunities for professional and personal development through an environment of practical orientation, industrial interaction and student led activities which help the students to develop good communication skills, integrated personality, and greater competitive spirit.

About the Department of Mechanical Engineering

The department started academic activities in the year 2003-04 with the admission of its first batch of under-graduates. The department offers B.Tech (Mechanical Engg.) and M.Tech (Renewable Energy) Technology courses. Also the department is also identified as research center of affiliating university for Ph.D. courses in Renewable energy, Production Engineering and Mechanical Engineering. The department has modern laboratories developed and designed from the perspective of the latest requirements of academia. Consistent pursuit of excellence by the department is clearly reflected in the fact that the department has already been accredited and re-accredited by National Board of Accreditation (NBA) (India). The department has developed its facilities in such a way that students can practice self-study and undertake other curricular activities. Special attention is paid for developing positive attitudes, leadership, group working and safety consciousness in the students.

Outcomes of STTP

A short-term training program focused on “**Internal combustion engine testing and simulation**” can have several potential outcomes for participants, depending on their level of expertise and the specific content covered in the program. Here are some possible outcomes:

- **Enhanced Knowledge:** Participants can gain a deeper understanding of internal combustion engines, including their components, working principles, and various testing and simulation techniques. This knowledge can be valuable for both beginners and those with some prior experience.
- **Improved Testing Skills:** Participants can acquire practical skills related to engine testing, such as setting up test equipment, data collection, and analysis. They may learn about emissions testing, and noise/vibration analysis.
- **Simulation Proficiency:** The program may cover engine simulation software and techniques. Participants can learn how to use software tools for modeling and simulating engine performance, emissions, and efficiency.
- **Troubleshooting Skills:** A key outcome could be the ability to identify and troubleshoot issues in engine testing and simulation setups, ensuring accurate and reliable results.
- **Emissions Compliance Knowledge:** Participants might gain insights into emissions regulations and standards, enabling them to conduct tests that adhere to legal requirements.
- **Improved Efficiency and Performance:** For engineers and professionals, the training can help them optimize engine performance and efficiency. They may learn how to make data-driven decisions for tuning engines and reducing fuel consumption.
- **Innovative Solutions:** Training in engine simulation can foster creative problem-solving. Participants may be encouraged to develop innovative solutions for improving engine designs and performance.
- **Research and Development Skills:** Participants can be better prepared for roles in research and development, where they can apply the skills and knowledge acquired in the training to innovate in the field of internal combustion engines.

Schedule of STTP



Swami Keshvanand Institute of Technology, Management & Gramothan
Department of Mechanical Engineering

Pre Conference

Short term Training programme on I C Engine testing and Simulation
(October 10 – 14, 2023) (Hybrid mode)



Schedule of the Program

DAY/DATE	Session – I 9.00 -11.00 AM		Session – II 12.00-02.00 PM	
Tuesday 10.10.2023	Inaugural Session (9:00-9:30 AM)	I C engine testing, and simulation with Diesel-RK software Prof. Dilip Sharma, MNIT, Jaipur	Alternative fuels Dr. Sanjay Patil, General Manager, ARAI, Pune	
Wednesday 11.10.2023	Numerical simulation of diesel-additives fuel blends Dr. Chandan Kumar, SKIT, Jaipur		Latest trends in alternative fuels, hybridization and electrification technologies Dr. Anmesh Srivastav, NIT Patna	
Thursday 12.10.2023	Alternate Fuels: Myth v/s Reality Dr. Vinod Singh Yadav, NIT UK		New generation fuel: Biodiesel Shree K.H Subramanian, General Manager, BPCL, Chennai	
Friday 13.10.2023	Modelling of engine performance and emissions Prof. (Dr.) Ashish Nayyar, SKIT, Jaipur		Performance and emission studies on Dual Fuel Diesel Engine with Biogas and Hydrogen Dr. K. K. Khatri, LNMIIT, Jaipur	
Saturday 14.10.2023	Engine performance testing Dr. Rahul Goyal, Manipal University, Jaipur		I C engine emission control Dr. Nikhil, MNIT, Jaipur	Valedictory Session (1:30-2:00 PM)

List of Invited Speaker

S.No.	Speakers details
1	Prof. Dilip Sharma, MNIT, Jaipur
2	Dr. Sanjay Patil, General Manager, ARAI, Pune
3	Dr. Chandan Kumar, SKIT, Jaipur
4	Dr. Anmesh Srivastav, NIT Patna
5	Dr. Vinod Singh Yadav, NIT UK
6	Prof. (Dr.) Ashish Nayyar, SKIT, Jaipur
7	Dr. K. K. Khatri, LNMIIT, Jaipur
8	Dr. Rahul Goyal, Manipal University, Jaipur

List of Participants

S. No.	Full Name	Category	Organisation / Institute Name
1	Ms. Soni Jaiswal	Faculty	A C Patil College of Engineering, Navi Mumbai, Maharashtra
2	Ms. Ruchita Shrimali	Faculty	A C Patil College of Engineering, Navi Mumbai, Maharashtra
3	Dr. Achin Srivastav	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
4	Dr. Laxman Kumar Pandey	Faculty	A C Patil College of Engineering, Navi Mumbai, Maharashtra
5	Dr. Amit Jhalani	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
6	Dr. Abhishek Kumar Tripathi	Faculty	Aditya Engineering College, Kakinada, Andhra Pradesh
7	Dr. Sasmita Bal	Faculty	Alliance University, Bangalore, Karnataka
8	Mr. Amit Sharma	Faculty	Amity University, Jaipur, Rajasthan
9	Dr. Deepshikha Rathore	Faculty	Amity University, Jaipur, Rajasthan
10	Mr. Jitendra Dixit	Faculty	Anand International College of Engineering, Jaipur, Rajasthan
11	Dr. Chandan Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
12	Mr. Somya Rawat	Industry Person	Anand International College of Engineering, Jaipur, Rajasthan
13	Dr. Deepak Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
14	Mr. Sonu Saini	Faculty	Anand International College of Engineering, Jaipur, Rajasthan
15	Mr. Prashant Kumar	Faculty	Anand International College of Engineering, Jaipur, Rajasthan
16	Dr. Dharmendra Hariyani	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
17	Mr. Ajit	Faculty	Anand International College of Engineering, Jaipur, Rajasthan
18	Mr. Preetam Singh Sankhla	Faculty	Aravali Institute of Technical Studies, Udaipur, Rajasthan
19	Ms. Shalini Mali	Faculty	Aravali Institute of Technical Studies, Udaipur, Rajasthan
20	Ms. Chandra Veer Kunwar Ranawat	Faculty	Aravali Institute of Technical Studies, Udaipur, Rajasthan
21	Mr. Ritesh Mathur	Faculty	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
22	Mr. Jitendra Garg	Faculty	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
23	Mr. Lakhan Singh Madhukar	Student	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
24	Mr. Abhishek Vaishnav	Student	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
25	Ms. Geetam Sharma	Student	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
26	Mr. Pawan Kumar Yogi	Faculty	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
27	Mr. Shyam Kumar Dhakar	Faculty	Arya College of Engineering & Information Technology, Jaipur, Rajasthan
28	Mr. Dawit Wami Negera	Faculty	Assosa University, Assosa, Benishangul-Gumuz
29	Dr. Venkatesh Lamani	Faculty	B. M. S. C. E., Bangalore, Karnataka
30	Dr. Manoj Kumar Sain	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
31	Mr. Ramesh Mallappa Chalkapure	Faculty	B.M.S. College of Engineering, Bangalore, Karnataka
32	Mr. Sarabjit Singh	Faculty	CEC Jhanjeri, Mohali, Punjab
33	Mr. Mugutrao Haribhau Tharkar	Faculty	College of Agricultural Engineering and Technology, Dapoli, Ratnagiri, Maharashtra
34	Dr. Ibrahim Imbayah Alzayani	Faculty	College of Renewable Energy, Tajoura, Libyan, Tripoli, Libya
35	Dr. Digambar Singh	Faculty	College of Technology and Agriculture Engineering, Agriculture

S. No.	Full Name	Category	Organisation / Institute Name
			University, Jodhpur, Rajasthan
36	Ms. Khemlata Soni	Student	CTAE, MPUAT, Udaipur, Rajasthan
37	Dr. Abhishek Bhushan	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
38	Dr. Rajesh Kumar	Faculty	Dayalbagh Educational Institute, Agra, Uttar Pradesh
39	Mr. Yuvraj Singh Rathore	Industry Person	Design2occupancy Services LLP, Jaipur, Rajasthan
40	Dr. Vijaykumar Kisan Javanjal	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
41	Dr. Poonam Ojha	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
42	Mr. Kundlik B. Kshirsagar	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
43	Dr. Prem Singh	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
44	Ms. Mohini R. Kolhe	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
45	Ms. Vasundhara Sutar	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
46	Dr. Raj Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
47	Mr. Gorakh Bhagat	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
48	Mr. Chandrika Wagle	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
49	Mr. Prateek Deoman Malwe	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
50	Dr. Narendra Rameshwar Bhople	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
51	Dr. Pradeep Kumar Sharma	Faculty	Dr. K. N. Modi University, Newai, Rajasthan
52	Mr. Alok Kumar	Student	Dr. RPCAU, Pusa, Samastipur, Bihar
53	Mr. Pravin Ingle	Faculty	D. Y. Patil Institute of Technology, Pimpri, Pune, Maharashtra
54	Mr. Rahul Srivastava	Faculty	Engineering College, Bharatpur, Rajasthan
55	Dr. C.Natesamurthi	Faculty	Erode Sengunthar Engineering College, Erode, Tamilnadu
56	Dr. Swati Joshi	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
57	Dr. Sujeet Jain	Faculty	GDC, Bhim, Rajasthan
58	Dr. Megha Vyas	Faculty	Geetanjali Institute of Technical Studies, Udaipur, Rajasthan
59	Dr. Deepak Paliwal	Faculty	Geetanjali Institute of Technical Studies, Udaipur, Rajasthan
60	Dr. Vikash Gautam	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
61	Dr. Virendra Swaroop Sangtani	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
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69	Mr. Denis Jangeed	Faculty	Geetanjali Institute of Technical Studies, Udaipur, Rajasthan
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73	Dr. Vishnu Agarwal	Faculty	Geetanjali Institute of Technical Studies, Udaipur, Rajasthan
74	Mr. Mukesh Ganchi	Faculty	Geetanjali Institute of Technical Studies, Udaipur, Rajasthan
75	Mr. Akash Choudhary	Student	Swami Keshvanand Institute of Technology, Management and

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79	Dr. Jani Dilip Batukray	Faculty	Government Engineering College, Dahod, Gujarat
80	Dr. Moti Lal Rinawa	Faculty	Government Engineering College, Jhalawar, Rajasthan
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111	Mr. Kapil Gupta	Faculty	Hindustan College of Science & Technology, Mathura, Uttar Pradesh
112	Mr. Lalit Singh Baghel	Faculty	Hindustan College of Science & Technology, Mathura, Uttar Pradesh
113	Ms. Shweta Mishra	Faculty	IET, Dr Rammanohar Lohiya Avadh University, Ayodhya, Uttar Pradesh
114	Ms. Subhasmita Satapathy	Faculty	Indira Gandhi Institute of Technology, Sarang, Dhenkanal, Odisha
115	Mr. Ashutosh Biswal	Faculty	Indira Gandhi Institute of Technology, Sarang, Dhenkanal, Odisha
116	Dr. Dheeraj Kumar Dhaked	Student	IIT Guwahati, Guwahati, Assam
117	Mr. Rahul Gautam	Student	IIT ISM Dhanbad, Jharkhand, Jharkhand
118	Mr. Abhishek Yadav	Student	IMS Engineering College, Ghaziabad, Uttar Pradesh
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121	Mr. Harshit Kumawat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
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125	Mr. Mohd Hamza	Student	IMS Engineering College, Ghaziabad, Uttar Pradesh
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129	Mr. Anurag	Student	IMS Engineering College, Ghaziabad, Uttar Pradesh
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136	Dr. Vivek Pandey	Faculty	IMS Engineering College, Ghaziabad, Uttar Pradesh
137	Dr. Subhash Mishra	Faculty	IMS Engineering College, Ghaziabad, Uttar Pradesh
138	Mr. Mohd Irfan Ansari	Student	IMS Engineering College, Ghaziabad, Uttar Pradesh
139	Mr. Lav Kumar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
140	Mr. Madhukar Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
141	Mr. Madhurum Verma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
142	Mr. Satyam Singh	Student	IMS Engineering College, Ghaziabad, Uttar Pradesh
143	Mr. Manish Kumar	Faculty	IMS Engineering College, Ghaziabad, Uttar Pradesh
144	Mr. Manoj Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan

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148	Mr. Milind Mathur	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
149	Ms. Ritambhara Pradhan	Faculty	Indira Gandhi Institute of Technology, Sarang, Dhenkanal, Odisha
150	Dr. Sanjay Soni	Faculty	Jabalpur Engineering College, Jabalpur, Madhya Pradesh
151	Mr. Avinash Nath Tiwari	Faculty	Jagannath University, Jaipur, Rajasthan
152	Mr. Rakesh Chandra Sharma	Faculty	Jagannath University, Jaipur, Rajasthan
153	Mr. Monu Gupta	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
154	Dr. Prof. Renu Bagoria	Faculty	Jagannath University, Jaipur, Rajasthan
155	Mr. Rakesh Kumar	Faculty	Jagannath University, Jaipur, Rajasthan
156	Mr. Suraj Yadav	Faculty	Jagannath University, Jaipur, Rajasthan
157	Dr. Fauzia Siddiqui	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
158	Mr. Yogesh Dubey	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
159	Dr. Vishal Saxena	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
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164	Mr. Neeraj Garg	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
165	Mr. Nikhil Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
166	Mr. Nishant Saini	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
167	Mr. Nitin Goyal	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
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170	Dr. Rajprakash H G	Faculty	Jawaharlal Nehru New College of Engineering, Shivamogga, Karnataka
171	Mr. Pawan Bora	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
172	Dr. Manoj Pathak	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
173	Mr. Pramod Jain	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
174	Mr. Ravi Yadav	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
175	Mr. Hukam Chand	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
176	Mr. Abhishek Kumar	Faculty	Jaipur Engineering College and Research Centre, Jaipur, Rajasthan
177	Mr. Vignesh Manivannan	Faculty	Karpagam Academy of Higher Education, Coimbatore, Tamilnadu
178	Dr. Lukman Muhammad	Student	Kebbi State University of Science and Technology, Aliero, Kebbi State
179	Mr. Muhammad Nazir Adamu	Student	Kebbi State University of Science and Technology, Aliero, Kebbi State
180	Mr. Praveen Saraswat	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
181	Mr. Muhammad Uthman	Student	Kebbi State University of Science and Technology, Aliero, Kebbi

S. No.	Full Name	Category	Organisation / Institute Name
	Ibrahim		State
182	Mr. Ramireddy Devarapalli	Faculty	Mahatma Gandhi Law College, Hyderabad, Telangana
183	Mr. Priyanshu Goyal	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
184	Dr. Ashu Yadav	Faculty	Manipal University, Jaipur, Rajasthan
185	Dr. Hemant Raj Singh	Faculty	Manipal University, Jaipur, Rajasthan
186	Dr. Karan Motwani	Faculty	Marwadi University, Rajkot, Gujarat
187	Mr. Rahul Patra	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
188	Dr. Manish Bhandari	Faculty	MBM University, Jodhpur, Rajasthan
189	Ms. Jaishree Chauhan	Faculty	Mohanlal Sukhadia University, Udaipur, Rajasthan
190	Dr. Navdeep Singh	Faculty	Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh
191	Mr. Raju Malani	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
192	Mr. Rajvardhan Gupta	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
193	Mr. Gajendra Kumar Nhaichaniya	Student	Malviya National Institute of Technology, Jaipur, Rajasthan
194	Mr. Pushkar Singh	Student	National Institute of Technology, Srinagar, Garhwal, Uttarakhand
195	Mr. Rajnish Kumar	Student	National Institute of Technology, Patna, Bihar
196	Dr. Alok Singh	Faculty	Navsari Agricultural University Navsari, Dediapada, Gujarat
197	Mr. Sudheer Kethamreddy	Faculty	NBKR Institute of Science & Technology, Tirupati, Andhra Pradesh
198	Mr. Shivaprakash.S	Faculty	New Horizon College of Engineering, Bangalore, Karnataka
199	Mr. Varun Kumar	Student	National Institute of Technology, Patna, Bihar
200	Mr. Arvind Meena	Faculty	Netaji Subhas University of Technology, New Delhi, Delhi
201	Dr. Deepak Singh Panwar	Faculty	P P Savani University, Surat, Gujarat
202	Mr. Prasanth Kumar	Student	Panimalar Engineering College, Chennai, Tamil Nadu
203	Mr. Mohammed Noman Kasmani	Faculty	Parul University, Vadodara, Gujarat
204	Mr. Parth Kamlesh Gaud	Faculty	Parul University, Vadodara, Gujarat
205	Mr. Rohan Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
206	Dr. Amit Kumar Mandal	Faculty	Poornima College of Engineering, Jaipur, Rajasthan
207	Mr. Rohit Kumar Soni	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
208	Mr. Rajveer Singh	Student	Poornima College of Engineering, Jaipur, Rajasthan
209	Mr. Sandeep Kumar Bhaskar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
210	Mr. Sanjay Bairwa	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
211	Mr. Sanjay Choudhary	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
212	Mr. Sanjay Kumar Jangid	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
213	Mr. Ajay Kumar Pagare	Faculty	Poornima College of Engineering, Jaipur, Rajasthan
214	Dr. Mukesh Didwania	Faculty	Poornima College of Engineering, Jaipur, Rajasthan
215	Mr. Naveen Porwal	Faculty	Poornima Institute of Engineering and Technology, Jaipur, Rajasthan
216	Mr. Saurabh Gupta	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
217	Mr. Saurav Kumar Jha	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
218	Mr. Shailesh Mali	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
219	Mr. Nitin Mukesh Mathur	Faculty	Poornima Institute of Engineering and Technology, Jaipur,

S. No.	Full Name	Category	Organisation / Institute Name
			Rajasthan
220	Mr. Ram Mohan	Faculty	Poornima Institute of Engineering and Technology, Jaipur, Rajasthan
221	Mr. Shivam	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
222	Mr. Sharad Shrivastava	Faculty	Poornima Institute of Engineering and Technology, Jaipur, Rajasthan
223	Mr. Shorya Pathak	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
224	Mr. Shreshth Singh Rathore	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
225	Dr. Neeraj Tiwari	Faculty	Poornima University, Jaipur, Rajasthan
226	Mr. Shubh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
227	Mr. Shubham Patel	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
228	Dr. Madhav Sharma	Faculty	Poornima University, Jaipur, Rajasthan
229	Dr. Bholu Kumar	Faculty	Poornima University, Jaipur, Rajasthan
230	Mr. Riaz Kurbanali Israni	Faculty	R K University, Rajkot, Gujarat
231	Dr. Brajesh Tripathi	Faculty	Rajasthan Technical University, Kota, Rajasthan
232	Mr. Sudesh Garg	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
233	Mr. Rakesh Suresh More	Student	Sardar Patel College of Engineering, Andheri, Parola, Maharashtra
234	Mr. Sunil Kumar	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
235	Mr. Shashank Pandey	Faculty	School of Engineering and Technology, Sitapur, Uttar Pradesh
236	Mr. Tehsin Khan	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
237	Mr. Trivendra Kumar Sharma	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
238	Mr. Vaibhav Vyas	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
239	Mr. Vansh Sinsinwar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
240	Mr. Ratnesh Singh	Faculty	School of Engineering and Technology, Sitapur, Uttar Pradesh
241	Mr. Vidhesh Khanna	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
242	Mr. Dipak Mishra	Faculty	Shankara Group of Institutions, Jaipur, Rajasthan
243	Mr. Vikas Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
244	Mr. Vinay Singh Marwal	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
245	Mr. Sikander Khan	Student	SHANKARA INSTITUTE OF TECHNOLOGY, KUKAS, JAIPUR, Jaipur, Rajasthan
246	Mr. Vishnu Jangid	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
247	Mr. Vivek Sharma	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
248	Dr. Sanjay Sharma	Faculty	Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir
249	Dr. Chetan Jaiswal	Faculty	Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore, Madhya Pradesh
250	Ms. Anju Katariya	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
251	Dr. Mit C. Patel	Faculty	Silver Oak University, Ahmedabad, Gujarat
252	Dr. Pankaj Mohan Rastogi	Faculty	Sir Padampat Singhania University, Udaipur, Rajasthan
253	Mr. Nalaagarla Sudarshan Rao	Faculty	Sree Venkateswara College of Engineering, Nellore, Andhra Pradesh

S. No.	Full Name	Category	Organisation / Institute Name
254	Dr. Saty Dev	Faculty	SRMS College of Engineering and Technology, Bareilly, Uttar Pradesh
255	Mr. Prashant Narendrarao Ulhe	Faculty	SSBT COET, Bambhori, Jalgaon, Maharashtra
256	Mr. G Veeresh Kumar	Faculty	Teegala Krishna Reddy Engineering College, Hyderabad, Telangana
257	Ms. Kratyakshi Mittal	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
258	Mr. Shri Bhagwan	Faculty	Teerthanker Mahaveer University, Moradabad, Uttar Pradesh
259	Ms. Monika Khurana	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
260	Ms. Namita Soni	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
261	Ms. Priyadarshini Singh Shekhawat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
262	Ms. Rashmi Kumawat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
263	Mr. Baldev Charpota	Student	Rajasthan Technical University, Kota, Rajasthan
264	Mr. Anurag Tiwari	Student	University of Technology, Jaipur, Rajasthan
265	Ms. Khushboo Sharma	Faculty	Vivekanand Global University, Jaipur, Rajasthan
266	Dr. Brajesh Kumar	Faculty	Vignan's Institute of Information Technology, Visakhapatnam, Andhra Pradesh
267	Dr. Mukesh Kumar	Faculty	Vivekanand Global University, Jaipur, Rajasthan
268	Mr. Vishal Sharma	Faculty	Vivekanand Global University, Jaipur, Rajasthan
269	Ms. Sumita	Faculty	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
270	Dr. Vijay Kumar Pandey	Faculty	Vivekanand Global University, Jaipur, Rajasthan
271	Mr. Satendra Singh	Faculty	Vivekanand Global University, Jaipur, Rajasthan
272	Dr. K. B. Rana	Faculty	Rajasthan Technical University, Kota, Rajasthan
273	Dr. O. S. Prajapati	Faculty	Rajasthan Technical University, Kota, Rajasthan
274	Dr. R. K. Bhamu	Faculty	Rajasthan Technical University, Kota, Rajasthan
275	Dr. S. K. Saini	Faculty	Rajasthan Technical University, Kota, Rajasthan
276	Dr. B. L. Gupta	Faculty	Engineering College, Bharatpur, Rajasthan
277	Mr. Aditya Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
278	Mr. Aditya Shilu	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
279	Mr. Akshat Joshi	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
280	Mr. Aman Kumar Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
281	Mr. Arthad Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
282	Mr. Ashish Vats	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
283	Mr. Bharat Yadav	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
284	Mr. Dharamraj Jat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
285	Ms. Dimple Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
286	Mr. Divyanshu Sain	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
287	Mr. Goutam Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
288	Ms. Hana Kazi	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan

S. No.	Full Name	Category	Organisation / Institute Name
289	Mr. Hardik Babbar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
290	Mr. Kartik	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
291	Mr. Kaushalendra Sehgal	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
292	Mr. Kshitiz Joshi	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
293	Mr. Madhvendra Singh Asawat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
294	Mr. Mahesh Jat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
295	Mr. Nilesh Raghav	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
296	Mr. Nitish Gupta	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
297	Mr. Piyush Saini	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
298	Mr. Prashant Godara	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
299	Mr. Rahul Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
300	Mr. Shashank Sharma	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
301	Mr. Tushar Bhola	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
302	Mr. Ravi Kumar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
303	Ms. Anshu Kumari Sarsunia	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
304	Mr. Khush Dhaka	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
305	Mr. Akash	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
306	Mr. Devi Pratap Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
307	Mr. Hiren Mathur	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
308	Mr. Mukesh Choudhary	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
309	Mr. Parikshit Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
310	Mr. Sourav	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
311	Mr. Himanshu Saini	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
312	Mr. Ashwini Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
313	Mr. Jitendra Kumar Meena	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
314	Mr. Keshav Singh	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
315	Mr. Mohit Pareek	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
316	Mr. Shyam Kumar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
317	Mr. Neeraj Kumar	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan

S. No.	Full Name	Category	Organisation / Institute Name
318	Mr. Saurabh Kumawat	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
319	Mr. Shailesh Rajendra Mali	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan
320	Mr. Himanshu Jangir	Student	Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan

STTP Photographs













CASE STUDY: Additives in Diesel

- The literature show that **the ignition delay and the amount of heat release in the premixed combustion phase decrease** with the increase of oxygen content in the blends.
- The diffusive combustion duration and the total combustion duration decrease, while the amount of heat release in the diffusive combustion phase increases with the increase of the oxygen mass fraction in the blends.

Ashish is presenting Engine Lab SKIT

Ashish

R

Ramesh...

You

D

Dr.Ve72 others





Presentation On

Combustion Mechanism and Modelling of engine performance and emissions




Dr. Ashish Nayar
 Professor, Department of Mechanical Engineering,
 Swami Keshvanand Institute of Technology, Management &
 Gramothan, Jaipur

Ashish is presenting



Satendra

Rahul



You



Ashi 46 others



Copy of Certificates



Pre-Conference (ICONRER-2023)
Short Term Training Programme
on



**IC Engine Testing and Simulation
(ICETS-2023)**
(Hybrid Mode)

Certificate of Participation

This is to certify that *Dr. Achin Srivastav* of *Swami Keshvanand Institute of Technology, Management and Gramothan, Jaipur, Rajasthan* has attended One Week Short Term Training Programme on “**IC Engine Testing and Simulation**” held from 10/10/2023 to 14/10/2023 organised by Department of Mechanical Engineering, **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India.**

Prof. Dheeraj Joshi
HOD, ME

Dr. Ashish Nayyar
Coordinator

Prof. Ramesh Kumar Pachar
Principal



Pre-Conference (ICONRER-2023)
Short Term Training Programme
on



**IC Engine Testing and Simulation
(ICETS-2023)**
(Hybrid Mode)

Certificate of Participation

This is to certify that *Dr. Deepshikha Rathore* of *Amity University, Jaipur, Rajasthan* has attended One Week Short Term Training Programme on “**IC Engine Testing and Simulation**” held from 10/10/2023 to 14/10/2023 organised by Department of Mechanical Engineering, **Swami Keshvanand Institute of Technology, Management & Gramothan, Jaipur, India.**

Prof. Dheeraj Joshi
HOD, ME

Dr. Ashish Nayyar
Coordinator

Prof. Ramesh Kumar Pachar
Principal

Feedback report from Participants

A feedback of STTP was taken from the participants through a Google form. 270 responses were recorded. Overall the STTP is considered to be of value by the participants. Most of the participants appreciated the efforts put by the organizers and the experts.

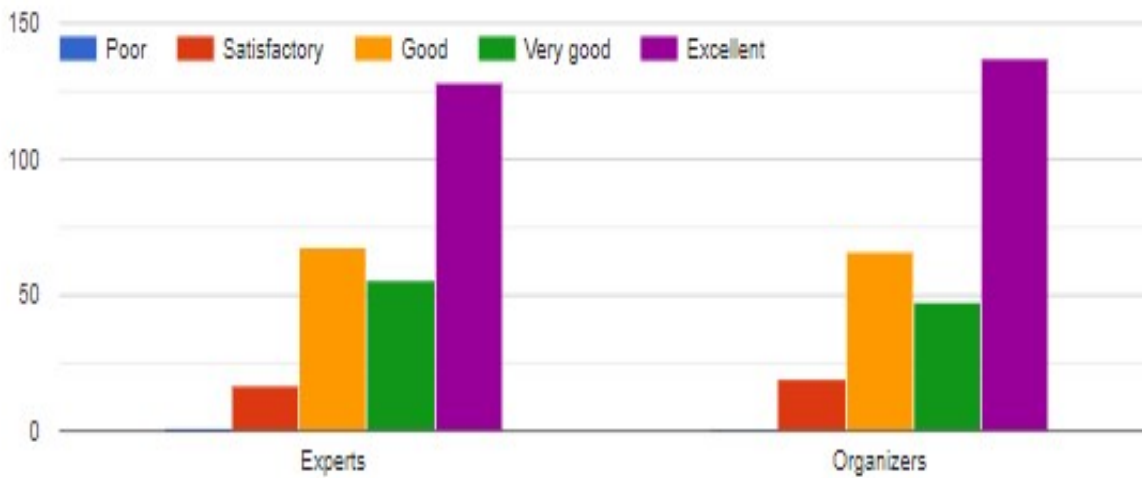


Figure 1. Level of Efforts

More than 80% of the participants considered the course to be of value addition. They have actively participated in the sessions.



Figure 2. Contribution of the course to your knowledge/learning

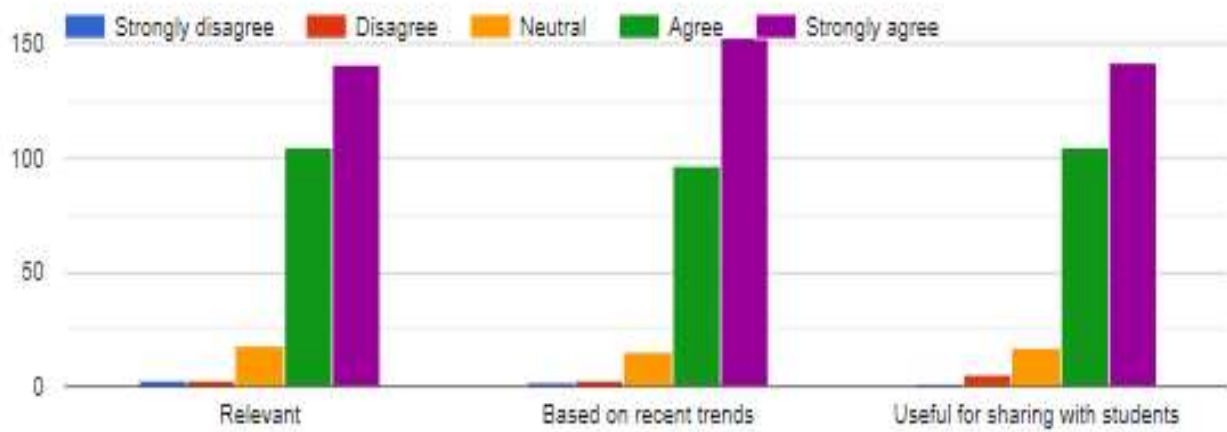


Figure 3. Course content Quality

In suggestions, many participants have suggested to provide the presentations used during the FDP for further study. More than 200 participants had 80% attendance or more. The session on Hydrogen fuel by Dr. Dilip Sharma from MNIT Jaipur and session on Sustainability by Dr. Anmesh Srivastava from NIT, Patna were the most liked sessions by the participants. They got their future research ideas from the different sessions.

The participants have shown their interest to join the such STTPs in future also.

एसकेआइटी में शार्ट-टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ



जयपुर(सीमा सन्देश)। जगतपुरा स्थित स्वामी केशवानंद इंस्टिट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान में 2 से 4 नवंबर को चतुर्थ इंटरनेशनल कांफ्रेंस का आयोजन किया जायेगा। इसी सन्दर्भ में आई.सी. इंजन टेस्टिंग एंड सिमुलेशन (आईसेट्स-2023) विषय पर पांच दिवसीय प्री-कांफ्रेंस शार्ट-टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ किया गया। ट्रेनिंग प्रोग्राम के दौरान अल्टरनेटिव वैकल्पिक ईंधन और उनके प्रभाव, इंजन प्रदर्शन, हाइब्रिड और इलेक्ट्रिक पावरट्रेन और परीक्षण आवश्यकताएं, सिमुलेशन सॉफ्टवेयर समस्या निवारण जैसे

समसामयिक विषयों पर चर्चा के साथ-साथ समस्या समाधान हेतु प्रायोगिक सत्र भी आयोजित किये जायेंगे। मुख्य अतिथि प्रो. दिलीप शर्मा (एम.एन.आई.टी जयपुर) रहे। जिन्होंने डीजल-आर.के. सॉफ्टवेयर के बारे में बताने के साथ-साथ इंजन के मूलभूत परीक्षण विधि को समझाया। संस्थान निदेशक (अकादमिक) प्रो. एस.एल. सुराणा तथा मैकेनिकल विभागध्यक्ष डॉ. धीरज जोशी ने सभी आगुन्तकों तथा प्रतिभागियों का अभिवादन किया। मुख्य समन्वयक डॉ. आशीष नैय्यर तथा डॉ. चन्दन कुमार ने कार्यक्रम की उपयोगिता के बारे में बताया।

शॉर्ट टर्म ट्रेनिंग प्रोग्राम शुरू



बेधड़क. जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टिट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान में 2 से 4 नवंबर तक चतुर्थ इंटरनेशनल कॉन्फ्रेंस का आयोजन किया जाएगा। इसी सन्दर्भ में मंगलवार को आईसी इंजन टेस्टिंग एंड सिमुलेशन विषय पर 5 दिवसीय प्री-कॉन्फ्रेंस शॉर्ट टर्म ट्रेनिंग प्रोग्राम की शुरुआत की गई। कार्यक्रम के मुख्य अतिथि प्रो. दिलीप शर्मा एमएनआईटी जयपुर रहे, जिन्होंने डीजल आरके सॉफ्टवेयर के बारे में बताने के साथ इंजन के मूलभूत परीक्षण की विधि को समझाया। संस्थान निदेशक (अकादमिक) प्रो. एसएल सुराणा तथा मैकेनिकल विभागध्यक्ष डॉ. धीरज जोशी ने अभिवादन किया। कार्यक्रम मुख्य समन्वयक डॉ. आशीष नैय्यर तथा डॉ. चन्दन कुमार ने कार्यक्रम की उपयोगिता के बारे में बताया।

एस.के.आई.टी में पांच दिवसीय प्री-कांफ्रेंस शार्ट-टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ'



खबरों की दुनिया

जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टिट्यूट ऑफ़ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान में 2 से 4 नवंबर को चतुर्थ इंटरनेशनल कांफ्रेंस ICON-RER-2023 का आयोजन किया जायेगा। इसी सन्दर्भ में मंगलवार 10 अक्टूबर को 'आई.सी. इंजन टेस्टिंग एंड सिमुलेशन' विषय पर पांच दिवसीय प्री-कांफ्रेंस शार्ट -टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ किया गया। ट्रेनिंग प्रोग्राम के दौरान अल्टरनेटिव वैकल्पिक ईंधन और उनके प्रभाव, इंजन प्रदर्शन, हाइब्रिड और इलेक्ट्रिक पावरट्रेन और परीक्षण आवश्यकताएँ, सिमुलेशन सॉफ्टवेयर समस्या निवारण जैसे

समसामयिक विषयों पर चर्चा के साथ साथ समस्या समाधान हेतु प्रायोगिक सत्र भी आयोजित किये जायेंगे। कार्यक्रम के मुख्य अतिथि प्रो. दिलीप शर्मा ,एम.एन.आई.टी जयपुर रहे, जिन्होंने डीज़ल-आर.के.सॉफ्टवेयर के बारे में बताने के साथ साथ इंजन के मूलभूत परीक्षण विधि को विस्तृत रूप से समझाया।

कार्यक्रम में संस्थान के निदेशक(अकादमिक) प्रो. एस. एल.सुराणा तथा मैकेनिकल विभागध्यक्ष डॉ. धीरज जोशी ने सभी आगुन्तको तथा प्रतिभागियों का अभिवादन किया। कार्यक्रम के मुख्य समन्वयक डॉ. आशीष नैय्यर तथा डॉ. चन्दन कुमार ने कार्यक्रम की उपयोगिता के बारे में बताया।

एस.के.आई.टी में पांच दिवसीय प्री-कांफ्रेंस शार्ट-टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ

P3 Police Public Politics

जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टिट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान में 2 से 4 नवंबर को चतुर्थ इंटरनेशनल कांफ्रेंस ICONRER-2023 का आयोजन किया जायेगा। इसी सन्दर्भ में मंगलवार 10 अक्टूबर को ए.आई.सी. इंजन टेस्टिंग एंड सिमुलेशन (ICETS-2023) विषय पर पांच दिवसीय प्री-कांफ्रेंस शार्ट-टर्म ट्रेनिंग प्रोग्राम का शुभारम्भ किया गया। ट्रेनिंग प्रोग्राम के दौरान अल्टरनेटिव वैकल्पिक ईंधन और उनके प्रभाव, इंजन प्रदर्शन, हाइब्रिड और इलेक्ट्रिक पावरट्रेन और परीक्षण आवश्यकताएँ, सिमुलेशन सॉफ्टवेयर समस्या निवारण जैसे समसामयिक विषयों पर चर्चा के साथ साथ समस्या समाधान हेतु प्रायोगिक सत्र भी आयोजित किये जायेंगे। कार्यक्रम के



मुख्य अतिथि प्रो. दिलीप शर्मा, एम.एन.आई.टी जयपुर रहे, जिन्होंने डीज़ल-आर.के.सॉफ्टवेयर के बारे में बताने के साथ साथ इंजन के मूलभूत परीक्षण विधि को विस्तृत रूप से समझाया। कार्यक्रम में संस्थान के निदेशक(अकादमिक) प्रो. एस.

एल.सुराणा तथा मैकेनिकल विभागध्यक्ष डॉ. धीरज जोशी ने सभी आगुन्तको तथा प्रतिभागियों का अभिवादन किया। कार्यक्रम के मुख्य समन्वयक डॉ. आशीष नैय्यर तथा डॉ. चन्दन कुमार ने कार्यक्रम की उपयोगिता के बारे में बताया।

FUELING INNOVATION



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The Fourth International Conference I C O N R - ER-2023 will be organized from November 2 to 4, at Swami Keshavanand Institute of Technology, Management and Gramothan Jagatpura. In this context, a five-day pre-conference short-term training program on “Engine Testing and Simulation (ICE-TS-2023)” was launched on Tuesday.

Chief guest of the program Prof Dilip Sharma, MNIT Jaipur, who explained in detail the basic testing method of the engine along with explaining about the Diesel-RK software. In the program, Director (Academic) of the Institute, Prof. SL Surana and Head of Mechanical Department, Dr Dheeraj Joshi greeted all the guests and participants. Chief coordinators of the program, Dr Ashish Nayyar and Dr Chandan Kumar told about the usefulness of the program.

एसकेआईटी में प्रशिक्षण का समापन



जयपुर(सीमा सन्देश)। जगतपुरा स्थित एसकेआईटी (स्वामी केशवानंद इंस्टिट्यूट ऑफ टेक्नोलॉजी, मैनेजमेंट एंड ग्रामोत्थान) में 2 से 4 नवंबर तक चतुर्थ इंटरनेशनल कांफ्रेंस का आयोजन किया जायेगा। इसी सन्दर्भ में पांच दिवसीय आईसी इंजन टेस्टिंग एंड सिमुलेशन विषय पर प्री-कांफ्रेंस शार्ट-टर्म ट्रेनिंग प्रोग्राम का शनिवार को समापन हुआ। वक्ताओं द्वारा वैकल्पिक ईंधन और उनके प्रभाव, इंजन प्रदर्शन, हाइब्रिड

और इलेक्ट्रिक पावरट्रेन के साथ-साथ सिमुलेशन सॉफ्टवेयर समस्या-समाधान जैसे समसामयिक विषयों पर चर्चा की गई।

समापन पर आईसी इंजन एक्सपर्ट डॉ. राहुल गोयल उपस्थित रहे। मैकेनिकल विभागाध्यक्ष डॉ. धीरज जोशी ने सभी का अभिवादन किया। मुख्य समन्वयक डॉ. चन्दन कुमार ने कार्यक्रम की रिपोर्ट प्रस्तुत की तथा डॉ. आशीष नैय्यर ने धन्यवाद ज्ञापित किया।

पांच दिवसीय प्री-कांफ्रेंस ट्रेनिंग प्रोग्राम संपन्न



आधुनिक समाचार दुनिया

जयपुर। जगतपुरा स्थित स्वामी केशवानंद इंस्टिट्यूट ऑफ टेक्नोलॉजी में पांच दिवसीय आई.सी. इंजन टेस्टिंग एंड सिमुलेशन (ICETS-2023) विषय पर प्री-कांफ्रेंस शार्ट -टर्म ट्रेनिंग प्रोग्राम का समापन शनिवार को हुआ। ट्रेनिंग प्रोग्राम के दौरान, विभिन्न प्रतिष्ठित वक्ताओं द्वारा वैकल्पिक ईंधन और उनके प्रभाव, इंजन प्रदर्शन, हाइब्रिड और इलेक्ट्रिक पावरट्रेन के साथ-साथ सिमुलेशन सॉफ्टवेयर समस्या-समाधान जैसे समसामयिक विषयों पर चर्चा की गई। कार्यक्रम के समापन समारोह पर डॉ. राहुल गोयल, आई.सी. इंजन एक्सपर्ट उपस्थित रहे। कार्यक्रम में मैकेनिकल विभागध्यक्ष डॉ. धीरज जोशी ने सभी आगुन्तको तथा प्रतिभागियों का अभिवादन किया। कार्यक्रम के मुख्य समन्वयक डॉ. चन्दन कुमार ने कार्यक्रम की रिपोर्ट प्रस्तुत की तथा डॉ. आशीष नैय्यर ने धन्यवाद ज्ञापित किया।

Day wise report

Report on the Five-Day Pre-Conference Short-Term Training Programme on IC Engine Testing and Simulation (Hybrid Mode)

Date: October 10th to October 14th, 2023

Location: CADD Lab, ME

Participants: 250+ from Various Parts of India (Online)

Introduction:

A Five-Day Pre-Conference Short-Term Training Programme (STTP) on IC Engine Testing and Simulation in Hybrid Mode was conducted from October 10th to October 14th, 2023. Over 250 participants from different regions of India actively took part in this event. This comprehensive program featured a series of eight informative sessions, where experts from esteemed institutions and industries across India shared their insights on various aspects of IC engine testing and simulation.

Inauguration: The STTP commenced with a warm welcome note from Prof. S.L. Surana, Director of Academics at [Institution Name]. Prof. Ashish Nayyar, the Coordinator of the STTP, elucidated the program's objectives, and Dr. Chandan Kumar, another Coordinator, presented the overarching theme and schedule. The inaugural session received its chief guest, Prof. Dilip Sharma from MNIT Jaipur, who delivered an enlightening talk on IC engine testing and simulation, with a focus on Diesel RK software and the impact of alternative fuels on engine performance.

Session Highlights: Throughout the five days, eight sessions were conducted, each shedding light on various facets of IC engine testing and simulation.

Day 1 - Session 2: Dr. Sanjay Patil, General Manager at ARAI, Pune, emphasized the significance of alternative fuels and explored their future dimensions.

Day 2 - Session 3: Dr. Chandan Kumar of SKIT, Jaipur, shared insights on numerically simulating experimental data.

Day 2 - Session 4: Dr. Anmesh Srivastav from NIT Patna focused on the application of hybridization and electrification technologies in existing vehicles.

Day 3 - Session 5: Dr. Vinod Singh Yadav from NIT UK delved into the myths and realities surrounding alternative fuels.

Day 4 - Session 6: Prof. Ashish Nayyar from SKIT, Jaipur, explained the concept of modeling experimental data using various tools.

Day 4 - Session 7: Dr. K. K. Khatri of LNMIIT, Jaipur, delivered an engaging lecture on the performance and emission characteristics of dual fuel engines using biogas and hydrogen.

Day 5 - Session 8: Prof. Rahul Goyal from Manipal University, Jaipur, shared insights into diverse methods for engine performance and testing.

In these sessions, participants had the opportunity to engage in discussions on contemporary topics such as alternative fuels, engine performance, hybrid and electric powertrains, and testing requirements. Practical sessions were also conducted, focusing on troubleshooting simulation software and addressing real-world problems.

The Five-Day Pre-Conference STTP on IC Engine Testing and Simulation in Hybrid Mode successfully provided a platform for knowledge exchange and skill development, drawing valuable insights from renowned experts. This event contributed significantly to the understanding and advancement of IC engine testing and simulation in the context of evolving technologies and alternative fuels.