

**TEQIP III & NIT Patna sponsored**  
**Short term course on “Renewable Energy and Applications- 2018”**  
 19<sup>th</sup> – 23<sup>rd</sup> December, 2018  
 Organized by **Department of Mechanical Engineering, NIT Patna**

**Tentative Schedule of Events**

Venue: **Seminar Hall, Mechanical Engineering Dept.**

Day 1, 19 <sup>th</sup> December 2018			
Time	Lec. No.	Expert Details	Topics
10.00 AM – 10.30 AM	<b>Registration</b>		
10.30 AM – 11.00 AM	<b>Inaugural Address</b> Prof. P M V Subbarao, Mechanical Engineering, IIT Delhi		
11.00 AM – 11.30 AM	<b>Tea break</b>		
11.30 AM – 01.00 PM	I	<b>Prof. P M V Subbarao</b> , Mechanical Engineering, <b>IIT Delhi</b>	Biomass
01.00 PM – 02.00 PM	<b>Lunch</b>		
02.00 PM – 03.30 PM	II	<b>Dr. Rishi Raj</b> , Mechanical Engineering, <b>IIT Patna</b>	Bio Energy
03.30 AM – 03.45 PM	<b>Tea break</b>		
03.45 PM – 05.00 PM	III	<b>Dr. Yogesh K. Chauhan</b> , Electrical Engineering, <b>KNIT Sultanpur</b>	Solar Energy A perspective on different issues on photo-voltaic power generation
Day 2, 20 <sup>th</sup> December 2018			
10.00 AM – 11.30 AM	IV	<b>Prof. P M V Subbarao</b> , Mechanical Engineering, <b>IIT Delhi</b>	Solar photo-voltaic
11.30 AM – 12.00 AM	<b>Tea break</b>		
12.00 AM – 01.30 PM	V	<b>Dr. Ram Chandra CRDT</b> , <b>IIT Delhi</b>	Commercial scale power generation using paddy straw through biogas production.
01.30 PM – 02.30 PM	<b>Lunch</b>		
02.30 PM – 04.00 PM	VI	<b>Dr. Mohd. Kaleem Khan</b> Mechanical Engineering, <b>IIT Patna</b>	Recent advancement in Solar thermal technology
04.00 AM – 04.15 PM	<b>Tea break</b>		
04.15 PM – 05.30 PM	VII	<b>Dr. Abdus Samad</b> , Ocean Engineering, <b>IIT Madras</b>	Marine Energy
Day 3, 21 <sup>st</sup> December 2018			
10.00 AM – 11.30 AM	VIII	<b>Dr. Abdus Samad</b> , Ocean Engineering, <b>IIT Madras</b>	Wave Energy
11.30 AM – 12.00 AM	<b>Tea break</b>		
12.00 AM – 01.30 PM	IX	<b>Dr. Manabendra Pathak</b> , Mechanical Engineering, <b>IIT Patna</b>	Solar tracking mechanism for portable parabolic collector
01.30 PM – 02.30 PM	<b>Lunch</b>		
02.30 PM – 04.00 PM	X	<b>Dr. Arnab Sarkar</b> , Mechanical Engineering, <b>IIT – BHU</b>	Wind Energy
04.00 AM – 04.15 PM	<b>Tea break</b>		
04.15 PM – 05.30 PM	XI	<b>Prof G N Tiwari</b> , Center for Energy Studies, <b>IIT, Delhi</b>	PV Modules and Application
Day 4, 22 <sup>nd</sup> December 2018			
10.00 AM – 11.30 AM	XII	<b>Prof G N Tiwari</b> , Center for Energy Studies (Ex-Prof.), <b>IIT, Delhi</b>	Green House Technology
11.30 AM – 12.00 AM	<b>Tea break</b>		
12.00 AM – 01.30 PM	XIII	<b>Dr. Rahul Dev</b> , Mechanical Engineering, <b>MNNIT, Allahabad</b>	Nano- fluid in solar energy application
01.30 PM – 02.30 PM	<b>Lunch</b>		
02.30 PM – 04.00 PM	XIV	<b>Dr. Manoj Kumar Gaur</b> , Mechanical Engineering Madhav Institute of Technology and Science, Gwalior	Solar distillation
04.00 AM – 04.15 PM	<b>Tea break</b>		
04.15 PM – 05.30 PM	XV	<b>Dr. Amit Pal</b> , Mechanical Engineering, <b>Delhi Technological University</b>	Advanced Methods of Bio-diesel Production
Day 5, 23 <sup>rd</sup> December 2018			
10.00 AM – 11.30 AM	XVI	<b>Dr. Vijay Gautam</b> , Mechanical Engineering <b>Delhi Technological University</b>	Recent Developments in e-Vehicles &Engineering Materials : A Preview
11.30 AM – 12.00 AM	<b>Tea break</b>		
12.00 AM – 01.30 PM	XVII	<b>Dr. Manabendra Pathak</b> , Mechanical Engineering, <b>IIT Patna</b>	Porous media for heat transfer enhancement in solar water heaters
01.30 PM – 02.30 PM	<b>Lunch</b>		
02.30 PM – 04.00 PM	XVIII	<b>Dr. Amit Pal</b> , Department of Mechanical Engineering <b>Delhi Technological University</b>	Sustainable Energy source for transportation
04.00 AM – 04.15 PM	<b>Tea break</b>		
04.15 PM – 05.30 PM	<b>Valediction and Certificate Distribution</b>		