

## Funded Research Projects

- **Title:** low temperature insitu transesterification of dry algae and dry Jatropha seeds and performance evaluation of IC Engine using biodiesel

**Funding Agency:** TEQIP-3, UTU



Dr Siddharth Jain  
Associate Professor  
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College of Engineering Roorkee  
Principal Investigator

Dr Rajesh Kumar  
Assistant Professor  
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Co- Investigator

Dr M.P. Sharma  
Professor  
Department of Hydro and  
Renewable Energy  
IIT Roorkee  
Co- Investigator

- **Title:** Smart hybrid solar kitchen (for households and community cooking in Uttarakhand)

**Funding Agency:** TEQIP-3, UTU



Mr. Varun Pratap Singh  
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Associate Professor  
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Dr R.P. Saini  
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- **Title:** Combustion, Performance and Emission Analysis of Pine oil based Biodiesel fueled DI Diesel Engine.

**Funding Agency:** TEQIP-3, UTU



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Dr. Sudhakar Subudhi  
Associate Professor  
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IIT Roorkee  
Co- Investigator

- **Title:** Multi-parabolic flat plate solar collector for space heating system in Himalayan region

**Funding Agency:** TEQIP-3, UTU



Dr Nitesh Dutt  
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Dr Krishnan Murugesan  
Professor  
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IIT Roorkee  
Co- Investigator

- **Title:** Automatic sketch packing station for Luxor sketch for 2 lakh sketch packet packing per day

**Funding Agency:** Texplas Pvt Ltd, Haridwar



Mr. Varun Pratap Singh  
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Mr. B D Patel  
Assistant Professor  
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College of Engineering Roorkee  
Principal investigator

- **Title:** Optimization of process parameters to minimize energy consumption in machining process.

**Funding Agency:** Seed Grant, College of Engineering Roorkee



Dr Gunjan Agarwal  
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ME Department  
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