



# University Of Petroleum & Energy Studies



*The Board of Governors of the University*

*On the Recommendation of the Academic Council*

*And by Virtue of the Authority Vested in Them*

*Have Conferred upon*

**Kane Nilesh Narayan**

*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Strategies for Sustainability of Power Utilities in  
India**

*In Testimony whereof, the Seal of the University and*

*the Signature of its Officers are hereunto Affixed*

*on this 24th Day of November, 2018*



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VICE CHANCELLOR

PLACE : DEHRADUN  
Mode of Delivery : Regular

*S. J. Chopra*  
CHANCELLOR



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*The Board of Governors of the University*

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*And by Virtue of the Authority Vested in Them*

*Have Conferred upon*

**Suresh Vishwakarma**

*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Training Needs Assessment of Frontline Managers:  
A Case of Power Distribution Companies in Central  
India**

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the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*

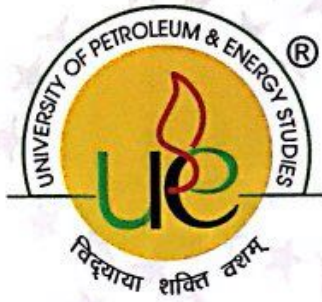


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*Have Conferred upon*

**Rajinder Kumar Malik**

*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

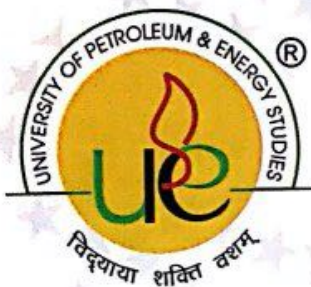
**Electricity Distribution Business in India: Alternative  
Suggestive Framework for Implementation of Open  
Access**

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the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*



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*S. T. Gupta*



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*Have Conferred upon*

**Gargi Chatterjea**

*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Electricity Tariff in India: Development of a  
Suggested Approach on Cross-Subsidy  
Determination Based on Cost of Supply**

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the Signature of its Officers are hereunto Affixed  
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**Utpal Bhattacharyya**

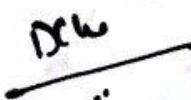
*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Investment Decisions Under Uncertainty with  
Special Reference to IPPS in India**

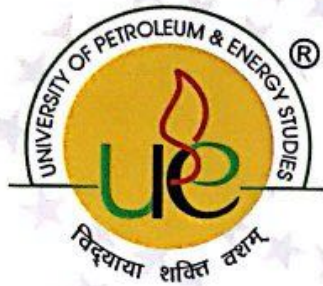
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**Rakesh Kulshreshtha**

*The Degree of Doctor of Philosophy  
(Infrastructure Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

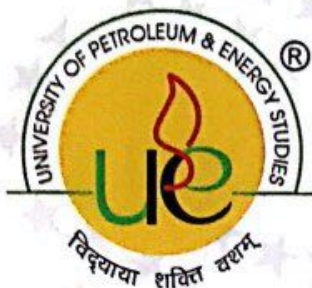
**Identification of Critical Success Factors and  
Evaluation of their Impact on the Success of Public  
Private Partnerships in Rail Based Urban Mass  
Rapid Transit Systems in Indian Context**

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**Hicham Jamil A. Hebaichi**

*The Degree of Doctor of Philosophy  
(Oil and Gas Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Developing an Upstream Model for enhancing  
Production of Oil and Gas in UAE**

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the Signature of its Officers are hereunto Affixed  
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**Sudip Das**

*The Degree of Doctor of Philosophy  
(Oil and Gas Management)*

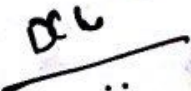
*The Subject on which he / she presented a thesis for the Degree was :-*

**Developing an Internet of Things (IoT) Business  
Model for Increasing Operational Efficiency and  
Employee Productivity in Indian Public Sector Retail  
Oil Outlets**

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**Anusuiya Prasad Semwal**

*The Degree of Doctor of Philosophy  
(General Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Evaluation of Benefits and Expectations from NAAC  
Accreditation Among Higher Educational  
Institutions in India**

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*the Signature of its Officers are hereunto Affixed*

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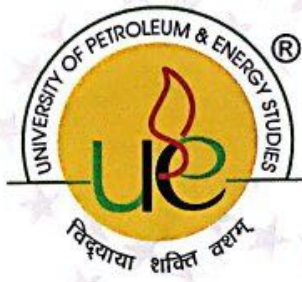
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**G. Ramakrishnan**

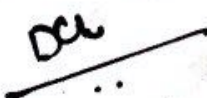
*The Degree of Doctor of Philosophy  
(Oil and Gas Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Employee Satisfaction of Third Country Nationals  
and Expatriates in EPC Companies of Oil and Gas  
Industry in U.A.E**

*In Testimony whereof, the Seal of the University and  
the Signature of its Officers are hereunto Affixed  
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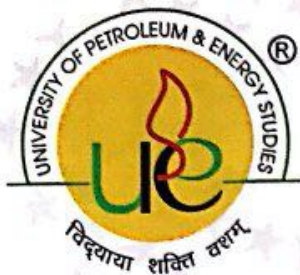


  
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**Ignatius Louis Prashanth**

*The Degree of Doctor of Philosophy  
(Oil and Gas Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Developing an Operational Dynamic Risk  
Assessment Model for Major Accident Hazard  
Process Safety Applications in Onshore Gas Drilling**

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**Tapas Roy**

*The Degree of Doctor of Philosophy  
(Infrastructure Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**An Analysis of the Factors Affecting Agricultural  
Land Price for Determining the Fair Value of Land  
During Land Acquisition in India**

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**Atul Kumar Agrawal**

*The Degree of Doctor of Philosophy  
(Power Management)*

*The Subject on which he / she presented a thesis for the Degree was :-*

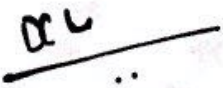
**Framework for Separation of Carriage and Content  
Business in Distribution Segment to Introduce  
Competitive Retail in Indian Power Sector**

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*the Signature of its Officers are hereunto Affixed*

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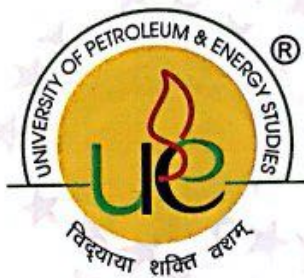


  
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**Meera Kumari Singh**

*The Degree of Doctor of Philosophy  
(Law)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Corporate Social Responsibility in an Indian Legal  
Perspective as Per Companies Act 2013: Resolution  
to Bridge the Gap between Indian Corporate Social  
Responsibility Objectives & Its Real Outcomes**

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**P. Prabhu**

*The Degree of Doctor of Philosophy  
(Petroleum Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

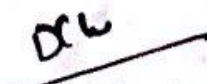
**Effect of Welding Parameters on Mechanical  
Properties and Corrosion Resistance of Duplex  
Stainless Steel (UNS S31803) and Super Duplex  
Stainless Steel (UNS S32750) Weldments**

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**Anil Kumar**

*The Degree of Doctor of Philosophy  
(Geo Science)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Late Quaternary Landscape Evolution along the  
Indus River: Responses to the Climate and  
Tectonics of Ladakh Himalaya**

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the Signature of its Officers are hereunto Affixed  
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*Have Conferred upon*

**R Tamilselvan**


*The Degree of Doctor of Philosophy  
(Health, Safety and Environmental Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Study of Hazard Identification and Consequence  
Assessment of Flammable Gas Facilities and  
Develop Methodology to find Failure Data**

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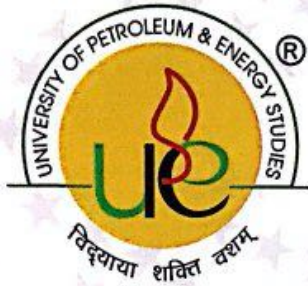
  
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**Manoj Kumar Gattani**

*The Degree of Doctor of Philosophy  
(Mechanical Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

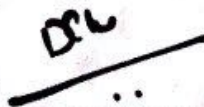
**Simulation and Modeling of Gate Operated  
Magnetic Piston Engine**

*In Testimony whereof, the Seal of the University and*

*the Signature of its Officers are hereunto Affixed*

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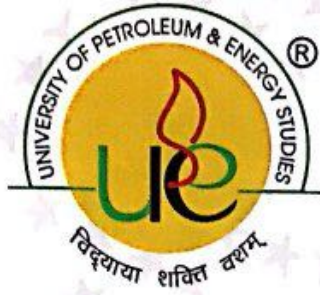
  
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*Have Conferred upon*

**Sudhir Joshi**

*The Degree of Doctor of Philosophy  
(Aerospace Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Aerodynamic Analysis of a Hypersonic Vehicle with  
Multidisc Aerospikes**

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the Signature of its Officers are hereunto Affixed*

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**Vijay Kumar Patidar**

*The Degree of Doctor of Philosophy  
(Aerospace Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

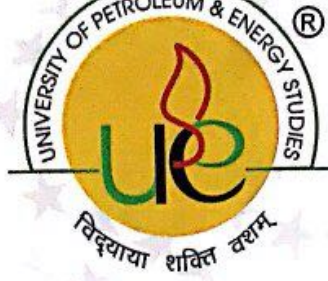
**Aerodynamic Analysis of Supersonic Biplane using  
Computational Fluid Dynamics**

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the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*



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*S. T. Chak*



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Have Conferred upon*

**Vamsi Krishna Kudapa**

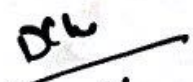
*The Degree of Doctor of Philosophy  
(Petroleum Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Macro Scopic Modeling of Gas Production From  
Shale Reservoirs**

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**Salauddin Mohammad**

*The Degree of Doctor of Philosophy  
(Electronics Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Tracking Loop Enhancements for Mitigating Signal  
Interference and Adjusting Signal Power**

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**Sudhir Kumar Chaturvedi**

*The Degree of Doctor of Philosophy  
(Aerospace Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Computational and Algorithmic Analysis of Tsunami  
Wave Parameters and Investigation of Early  
Tsunami Detection with Remote Sensing  
Techniques**

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the Signature of its Officers are hereunto Affixed*

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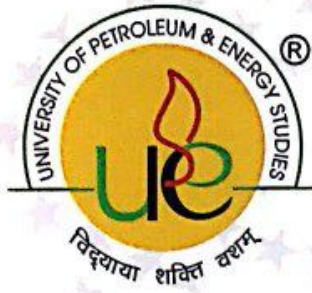


  
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Have Conferred upon*

**Akashdeep Bhardwaj**

*The Degree of Doctor of Philosophy  
(Computer Science)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Designing Secure Architecture to Mitigate DDoS  
Attacks on Hybrid Clouds**

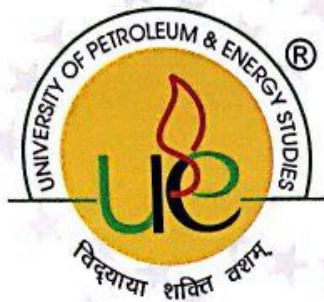
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**Sonal Singh**

*The Degree of Doctor of Philosophy  
(Power System Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Photocatalytic and Photo-electrochemical Property  
of Zinc Oxide and Bismuth Vanadate for Pollutant  
Degradation and Water Splitting Applications**

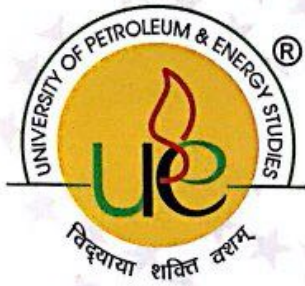
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**Rajesh Kumar**

*The Degree of Doctor of Philosophy  
(Power System Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Designing and Parametric Analysis of Grounding  
System of Gas Insulated Substation (GIS) for Multi  
Layered Soil Model**

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the Signature of its Officers are hereunto Affixed*

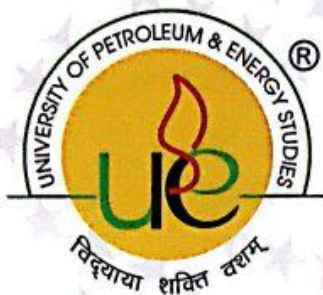
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*Have Conferred upon*

**D Anbuendan**

*The Degree of Doctor of Philosophy  
(Renewable Energy Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Fire Safety Evaluation of Solar Photovoltaic  
Modules in Hydrocarbon Industry**

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**Vivek Kaundal**

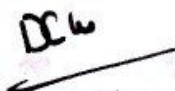
*The Degree of Doctor of Philosophy  
(Electronics Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Human Movement Tracking In Disaster Prone Area  
Using Sensor Network for Predefined Path and  
Routing Algorithm**

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**S Senthil Kumar**

*The Degree of Doctor of Philosophy  
(Aerospace Engineering)*

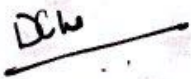
*The Subject on which he / she presented a thesis for the Degree was :-*

**Capability Enhancement of Ship Detection  
Algorithms by Usage of Circular Transmit, Linear  
Receive (CTLR) Mode of RISAT-1 SAR DATA**

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Mode of Delivery : Regular

  
CHANCELLOR



# University Of Petroleum & Energy Studies



*The Board of Governors of the University*

*On the Recommendation of the Academic Council*

*And by Virtue of the Authority Vested in Them*

*Have Conferred upon*

**Monika Wadhawan**

*The Degree of Doctor of Philosophy  
(Geo Science)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Shear Wave Velocity and Crustal Structure along  
Satluj Valley, Northwest Himalaya**

*In Testimony whereof, the Seal of the University and  
the Signature of its Officers are hereunto Affixed*

*on this 24th Day of November, 2018*



  
VICE CHANCELLOR

  
S. J. Chandra



# University Of Petroleum & Energy Studies



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*And by Virtue of the Authority Vested in Them*

*Have Conferred upon*

**Som Dutt**

*The Degree of Doctor of Philosophy  
(Geo Science)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Abrupt Precipitation Changes in the Northeast and  
Northwest Himalaya during the last Millennium  
using Proxy Records from Lake and Cave Deposits**

*In Testimony whereof, the Seal of the University and  
the Signature of its Officers are hereunto Affixed*

*on this 24th Day of November, 2018*



  
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*Have Conferred upon*

**Chandra Sekhar Mohanta**

*The Degree of Doctor of Philosophy  
(Chemistry)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Studies on the Storage Stability and Rheological  
Properties of Crumb Rubber Modified Bitumen by  
using Different Additives**

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the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*



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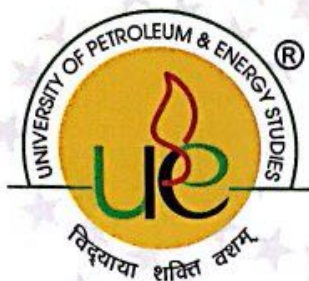
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*S. T. Chopra*  
CHANCELLOR



# University Of Petroleum & Energy Studies



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*Have Conferred upon*

**Amit Kumar**

*The Degree of Doctor of Philosophy  
(Chemistry)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Development of New Generation Catalyst for the  
Isomerization of Lighter Alkanes**

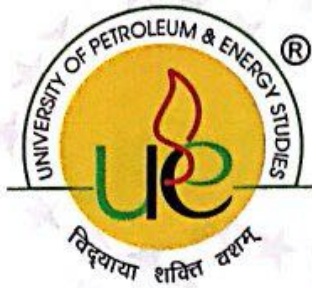
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And by Virtue of the Authority Vested in Them  
Have Conferred upon*

**Anita**

*The Degree of Doctor of Philosophy  
(Electronics Engineering)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Modelling, Optimization and Implementation of  
Sensor Nodes to Authenticate Ignition of Two  
Wheeler**

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the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*



  
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*And by Virtue of the Authority Vested in Them*

*Have Conferred upon*

**Neti Srinivas Ravindranath**

*The Degree of Doctor of Philosophy  
(Computer Science)*

*The Subject on which he / she presented a thesis for the Degree was :-*

**Investigations in the Areas of Performance  
Improvement in 802.11ac (Draft) WLAN standard  
over existing WLAN and cellular networks**

*In Testimony whereof, the Seal of the University and  
the Signature of its Officers are hereunto Affixed  
on this 24th Day of November, 2018*



DCW

VICE CHANCELLOR

S. T. K. S.