

**Name: PARVESH KUMAR**



**Qualification : PhD ( Delhi Technological University, Delhi)**

**Experience (write a brief paragraph):**

- Assistant Professor at Vaagdevi College of Engineering, Warangal.

**9<sup>th</sup> Feb. 2018 – Till Date**

- Assistant Professor at SRM University, Modinagar Campus.

**6<sup>th</sup> July, 2017 – 5<sup>th</sup> Feb. 2018**

- Research Scholar at Delhi Technological University, New Delhi.

**1<sup>st</sup> Aug. 2013 – 5<sup>th</sup> July, 2017**

- Worked as Asst. Prof. at MAIT, Ghaziabad.

**4<sup>th</sup> Aug 2012- 26<sup>th</sup> April 2013**

- Worked as Lecturer at MAIT, Ghaziabad.

**1<sup>st</sup> July 2008 – 30<sup>th</sup> June 2010**

**Area of Interest:** Internal Combustion Engines, Alternative Fuels, Alternate Sources of Energy

**Subjects Taught:**

- Basics of Thermodynamics
- Refrigeration and Air-Conditioning
- Internal Combustion Engines
- Fluid Mechanics
- Engineering Mechanics
- Theory of Machines

**Research Publications:**

- **Parvesh Kumar** & Naveen Kumar. Study of ignition delay period of n-Butanol blends with JOME and diesel under static loading conditions. Energy Sources, Part A: Recovery, Utilization, and Environmental Effects (Publisher: Taylor and Francis) (Accepted)
- **Parvesh Kumar** & Naveen Kumar (2016): Effect of EGR on performance and emission characteristics of a dual fuel engine fuelled with CNG and JOME, Biofuels, 7:6, 743-751. DOI: 10.1080/17597269.2016.1193838 (Publisher: Taylor and Francis).

- **Parvesh Kumar** & Naveen Kumar (2016): Experimental investigation of Jatropha oil methyl ester (JOME) as pilot fuel with CNG in a dual fuel engine, *Biofuels*, 7:5, 511-520. DOI: 10.1080/17597269.2016.1163215 (Publisher: Taylor and Francis).
- **Parvesh Kumar** & Naveen Kumar (2016) Comparative study of biodiesel from Jatropha and orange peel oils as pilot fuels in a dual-fuel engine, *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*, 38:23, 3491-3496, DOI:10.1080/15567036.2016.1170908. (Publisher: Taylor and Francis).
- RaghendraGautam, Naveen Kumar, Harveer Singh Pali and **Parvesh Kumar**, Some experimental studies on use of methyl and ethyl esters as an Extender in small capacity diesel engine, *Biofuels*, 2016, 7:6, 637-646, DOI: 10.1080/17597269.2016.1187538 (Publisher: Taylor and Francis).
- Y. Alhassan, N. Kumar, I.M. Bugaje, H.S. Pali, **P. Khatkar**, Co-solvents transesterification of cotton seed oil into biodiesel: Effects of reaction conditions on quality of fatty acids methyl esters, *Energy Conversion and Management*, 2014, (84) 640-648. (Publisher: Elsevier).
- **Parvesh Kumar**, Vartika, Ashish Kumar Singh, "Experimental investigations on performance and emission of dual fuel engine using JOME and LPG". National Conference on "Recent Trends in Engineering, Science and Management", 18 April, 2017.
- **Parvesh Kumar**, VartikaShivaji. "Performance and emissions characteristics of Dual Fuel Engine using CNG". V<sup>th</sup> international symposium of fusion science and technology, 18-22 January, 2016.
- Sidharth, **Parvesh Kumar**, Harveer Singh Pali, Naveen Kumar, BUTANOL AS A CI ENGINE FUEL: A REVIEW, V<sup>th</sup> international symposium of fusion science and technology, 18-22 January, 2016.
- VartikaShivaji, **Parvesh Kumar**, MohitTyagi, R.S. Walia, Subhash Kumar, Identification and analysis of key performance indicator of Humanitarian Logistics – case study, V<sup>th</sup> international symposium of fusion science and technology, 18-22 January, 2016.
- JayantiPrabha Bharti\*, Waqar Khan, **Parvesh**, Dileep Kumar Gupta, Preparation of landslide hazard zonation map of Jharkhand hilly areas, V<sup>th</sup> international symposium of fusion science and technology, 18-22 January, 2016.
- JayantiPrabha Bharti, Waqar Khan, **Parvesh**, Dileep Kumar Gupta, Combined effect of addition of marble dust and fly ash on expansive soil, V<sup>th</sup> international symposium of fusion science and technology, 18-22 January, 2016.
- Ashish Kumar Singh, Naveen Kumar, Amardeep, **Parvesh Kumar**. A Comparative Study on the Performance and Emission Analysis of a Dual Fuelled Diesel Engine with Karanja Biodiesel and Natural Gas. International Symposium on the Fusion Technologies 2014 (ISFT2014).
- **Parvesh Kumar**, Naveen Kumar, VartikaShivaji, Performance & Emission Analysis of a CI engine in dual Mode with LPG and Karanja Oil Methyl Ester, 2<sup>nd</sup> International Conference on Technological and Management Advances in the New AgeEconomy: An Industry Perspective, 1 March 2014.
- Amarjot Singh, **Parvesh Kumar**, Naveen Kumar, Potential Utilisation of CNG in HCCI Engine, 2<sup>nd</sup> International Conference on Technological and Management Advances in the New AgeEconomy: An Industry Perspective, 1 March 2014.

### Projects guided:

UG projects

Title	Student Name	Year
<b>Design Optimisation and Analysis of Bunk Boat Trailer Frame Using CATIA and ANSYS</b>	<b>Bairi Pavan Sai</b>	<b>2018</b>
	<b>Budipudi Abhilash</b>	
	<b>Mathi Sri Harsha</b>	
	<b>Vadloori Pavan Kalyan</b>	
	<b>Shaik Yakub Sajahan Pasha</b>	

<b>Performance Improvement of an Automobile Radiator Using CFD Analisis</b>	<b>P. Divya</b>  <b>MD. Rahman</b>  <b>S. Avinash</b>  <b>B. Nagaraju</b>  <b>B. Saidev</b>	<b>2018</b>
<b>Improving Emission Characteristics of Small Capacity Engine by Using Turbo Supercharger</b>	<b>K. Naresh</b>  <b>P. Sunil Kumar</b>  <b>B. Srikanth</b>  <b>S. Sandeep</b>  <b>H. Shiva Sai</b>	<b>2018</b>

#### **Workshops/Seminars/FDP's Organized:**

- Member of Organization committee of ISFT Delhi Section Convention on "Technological Universities and Institutions in New Knowledge Age: Future Perspectives and Action Plan" held at Delhi Technological University.
- Organizing the "International Symposium on Concentrated Solar Power (CSP): Opportunities for India.
- Member of Organization committee of "5<sup>th</sup> International Symposium on Fusion of Science & Technology (ISFT-2016)" January 18-22, 2016, New Delhi, India.
- Member of Organization committee of "International Conference on New Frontiers of Engineering, Science & Technology (NFEST-2018)" January 08-12, 2018, New Delhi, India.

#### **Workshops/Seminars/FDP's Attended:**

- Participate in two days faculty development programme on Precision manufacturing and circular economy, held at Delhi Technological University, New Delhi.
- Participate in two days faculty development programme on Engineering Mechanics, held at ABES, Ghaziabad.
- Participate in workshop on "E-Learning Tools for Teaching."
- Participate in two day program on "Jawaharlal Nehru National Solar Mission Emerging Trends & Opportunities for Career in Solar.

#### **Conferences Attended:**

- Participate and present research paper in "5<sup>th</sup> International Symposium on Fusion of Science & Technology (ISFT-2016)" January 18-22, 2016, New Delhi, India.
- Participate and present research paper in "International Conference on New Frontiers of Engineering, Science & Technology (NFEST-2018)" January 08-12, 2018, New Delhi, India.
- Participate and present research paper in "2<sup>nd</sup> International Conference on Technological and Management Advances in the New Age Economy: An Industry Perspective", 1 March 2014.

#### **Achievements:**

**Three Times Gate Qualified** in year: 2010, 2011 and 2012.

Qualified Engineering Services 2013 Exam.