

## PROFILE



**Name:** Er. Varun Dutta

**Designation:** Assistant Professor

**Department:** Mechanical Engineering

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**Contact Number and Extn.:** 9419835685, 2248

**Experience:** 06 years

**Teaching:** 06 yrs

**Research:** 02 yrs

**Administration:** **Total:** 06 yrs

### Areas of Interest / Specialization:

1. Design of Mechanical Systems
2. Renewable Energy

### Educational Qualification:

S. No.	Qualifications	Discipline / Stream	Year of Passing	University / Institution / College	Division / % age
1.	B.E	Mechanical Engineering	2008	Jammu University	61.2 %.
2.	M. Tech.	Mechanical Engineering (Mechanical System Design)	2011	NIT Srinagar	7.6 /10 CGPA

### Experience:

S. No.	Employer	Post held	Pay Scale	Basic Pay	Period
1.	SMVDU, Katra	Assistant Professor	15600-39100	21110	05-09-2011 to Till Date

### Attended Workshops/seminars/Conferences/Orientation/Refresher recognized by National /International Professional bodies:

1. Two week AICTE approved Staff development program on Introduction to MATLAB® and matrix® Imaging Library (MIL) with emphasis on hands on Practice (WMMIL'11) at school of ECE, SMVDU

w.e.f 16<sup>th</sup> to 29<sup>th</sup> Dec,2011.

2. One week QIP Short Term Course on Integrated Navigation of Flight Vehicles conducted by IIT Bombay w.e.f 9<sup>th</sup> July,2012 to 13<sup>th</sup> July,2012
3. Two-day ISTE Workshop on Aakash For Education conducted by IIT Bombay on 10<sup>th</sup> & 11<sup>th</sup> Nov, 2012
4. Two week ISTE Workshop on Educational Database Management system, under the National Mission on Educational through ICT (MHRD, govt. of India) conducted by IIT Bombay at SMVDU Remote Centre w.e.f 21<sup>st</sup> to 31<sup>st</sup> may,2013.
5. Two week ISTE Workshop on Engineering Mechanics under national Mission on Education through (MHRD Govt. of India) organized by IIT Bombay at SMVDU w.e.f. 26<sup>th</sup> Nov,2013 to 6<sup>th</sup> Dec,2013.
6. General Orientation Course at UGC-ASC, University of Jammu w.e.f 17<sup>th</sup> June,2014 to 14<sup>th</sup> July,2014
7. Refresher Course in Gender Studies (ID) at UGC\_HRDC, University of Kashmir w.e.f 25<sup>th</sup> May,2015 to 16<sup>th</sup> June,2015
8. Attended One day Workshop “Patent Drafting and Filing” conducted by SMVDU,Katra, 20<sup>th</sup> October,2016.
9. Attended Short Term Course “Recent Trends in Automobile Engineering through ICT conducted by Mechanical Engineering Department, SMVDU, Katra, 29<sup>th</sup> Feb-4<sup>th</sup> March, 2016.
10. Attended Short Term Course ‘Optimization using MATLAB through ICT conducted by Mechanical Engineering Department, SMVDU, Katra, 24-10-16 to 28-10-2016.
11. Attended Faculty Development Programme “Entrepreneurship Development” conducted by Entrepreneurship Development Cell, SMVDU, 12-24 December, 2016.
12. Attended two-day workshop on ‘Introduction to Robotics on 27<sup>th</sup> & 28<sup>th</sup> October, 2017 organized by Department of Computer Science and Engineering, IIT Bombay, held at Bhargava College of Engineering and Technology, Samba, J&K.

**Presented papers in Conferences conducted or recognized by Professional agencies:**

1. Co-authored paper presented entitled “Conventional design Engineering Vs Reverse engineering at Annual international conference on Materials processing and Characterization, Gokaraju RamngaRaju Institute of Engineering & Technology, Hyderabad w.e.f 8<sup>th</sup> to 10<sup>th</sup> March,2012.
2. Balbir Singh, Sanjay Mohan and **Varun Dutta** “Study of Challenges and Strategies to Sustain Manufacturing Sector in Business Recession” UGC sponsored National Conference on ‘Contemporary Issues in Business with reference to Global Economic Meltdown’ on 29<sup>th</sup> March, 2013 at College of Management, SMVDU.
3. Paper presented entitled ‘Modal Analysis of Structures using Finite Element Analysis’ at National conference on Recent Trends in Mathematical Sciences, at School of Mathematics, SMVDU, Katra (J&K) (October 8-9, 2015).
4. Paper presented entitled ‘Six Sigma and its Applications in Service Sectors: Challenges and Opportunities, at 2<sup>nd</sup> International Conference on Applied Economics and Business, held on 28<sup>th</sup>-29<sup>th</sup> July, 2016 organized by Department of Economics, SMVDU, Katra (J&K).

### **Publications in International Journals**

1. Yatheshth Anand and **Varun Dutta** “Testing of Composites-A Review” published in an International Journal of Advanced Materials Manufacturing & Characterization, Vol. 3, March 2013, pp 359-363. ISSN: 2277-3886.
2. **Varun Dutta**, Sanjay Sharma, Kapil Chopra, Balbir Singh, Hybrid Electric Discharge Machining Processes for Hard Materials: A Review, International Journal of Material focus (American Scientific Publishers), 5(2016), pp 202-208. (Emerging Sources Citation Index )
3. Alankrit Srivastava, Sahil Arora, **Varun Dutta**, Sanjay Sharma, Kapil Chopra, A Review on Photo Voltaic Thermal Systems, International Journal of Scientific and Technical Advancements 2(2016), pp 53-56.
4. Natish Patyal, Abhijeet Saini, **Varun Dutta**, To Study Sustainability and Implementation of Green Manufacturing on Various Manufacturing Processes, International Journal of Scientific and Technical Advancements 2(2016), pp 139-142.

### **Certification**

- MOOC Certification on Introduction to Engineering Mechanics from University of Michigan.

### **Membership of Society**

- Senior Member of Indian Institution of Industrial Engineering (IIIE)

(Varun Dutta)

AP, SME