



**ASSOCIATE PROFESSOR**  
*Government College of  
Engineering(GCET), Chak  
Bhalwal Jammu*



April 2022 - Present

## Sanjeev Gupta

B.E. MTECH  
P.H.D.  
(PURSUING)  
(MECHANICAL  
ENGINEERING)

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## PROFILE

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- BE degree in Production Engineering from NIT Jamshedpur. Studied in Advance manufacturing technology and received MTech degree from Punjab university,
- Research interests and expertise: 19 years of teaching/research experience in India. Published more than 20 papers in various National and International journals. Attended 12 short term courses in different prestigious institutes like NITTTR , IIT'S etc.
- Best paper Award in Mechanical Engineering in NCEEITET 2018.
- Evaluated 25 project thesis for B.E students of Mechanical Engineering.

## QUALIFICATION

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### B.E.

NIT Jamshedpur

**1992**

### Mtech

Punjab university

**2010**

# **MTECH THESIS**

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Comparative analysis of JIT and Non JIT industries

## **PROJECT**

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Design and fabrication of screw jack

## **PROFESSIONAL EXPERIENCE**

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### **1. Teaching:**

- Working as an Assistant Professor in Mechanical Engineering Department at Government College of Engineering, Jammu. From 19 March 2001 to till date.
- Taught the IGNOU students for different courses DME, DCE, BTME at IGNOU Study centre 1278-P
- Acted as Head of Department mechanical engineering in 2007, 2013 and from October 2017 to till date.
- Technical Expert in selection Process for IIIM, Jammu.
- Technical Expert in JKSDFC in 2008.
- Technical Expert for selection process in Private engineering Colleges Affiliated to Jammu University.
- Member of University Inspection Committee.
- Co-Coordinator in EDC, GCET

### **2. Academic Activities:**

- Actively involved in Entrepreneurship Development Cell, GCET, Jammu
- Actively involved in organizing the NCEEITET 2014, 2015, 2016.
- Actively involved with the active learning methodology in engineering curriculum.
- Actively involved with Departmental Lab Development.
- Organized blood donation Camp in association with RED CROSS society in year 2018.
- NBA coordinator for mechanical engineering department since 2017.
- Actively involved as co-coordinator startup workshop at UIET Chandigarh.
- Member of Board of studies Jammu University
- Convener of Transport committee.
- Member of TEQUIP purchasing Committee.
- Member of Maintenance Committee.
- Member of sports committee.
- Acting as Training and Placement Officer (TPO) Mechanical since 2018.
- Member of anti ragging committee.
- Member of anti ragging Squad.
- Member of Purchasing Committee.

- Member of startup club.
- Member of Refreshment committee.
- In charge sports GCET from 2004-2005
- Convener general maintenance 2013-2015
- Member cultural committee GCET.; 2010-2013
- External examiner and Evaluator in BGBSU 2007.
- Paper evaluator in Jammu University since 2002 to till date
- Visiting Faculty in Jammu university.
- External evaluator and examiner in JKBSTE since 2006
- Expert Lecture at BCET in 2018
- Expert Lecture at UIET, Chandigarh, Punjab, India
- Member disciplinary committee from 2005 to 2012.
- Member Library committee from 2005 to 2013.
- Member local Fund committee from 2005 to 2010.
- Member student welfare Committee.
- Member Mess committee from 2013 to 2015.
- Member hostel committee from 2013 to 2015.
- Member beautification committee from 2013 to 2016.
- Member of organizing team for the workshop on Innovation and startup held at UIET Chandigarh on 9 November 2017.
- Expert member PMSSS for the session 2015-2016.
- Expert member PMSSS for the session 2016-2017.

## **SHORT TERM COURSES/WORKSHOPS:**

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- Attended one week short term course on QSS and EMS at TTTI Chandigarh from 14 Jan to 18 Jan 2002.
- Attended Two week short term course on CNC machine TTTI Chandigarh from 18 March to 29 March 2002.
- Attended Two Week Short term course on Recent Trends in Product design and Development held at BBSBEC Fatehgarh Sahib from July 15 to 26 2002.
- Attended one week short term course on Student Evaluation machine TTTI Chandigarh from 7 Oct to 11 Oct 2002.
- Attended National conference on Mechatronics held at NITTTR, Chandigarh in March 2007.
- Attended Short Term course on ANN and Fuzzy Logic conducted by NITTTR held at GCET, 25 to 29 Feb. 2008.
- Attended three day workshop entrepreneurship awareness programmed held at GCET from 24 to 26 September 2009.
- Attended Two Week workshop entrepreneurship awareness programmed held at GCET from 8 to 21 Jan 2011.
- Attended three day workshop entrepreneurship awareness programmed held at GCET from 22 to 24 May 2012.

- Attended one week short term course on Soft Computing organized by Government College of Engineering and Technology, Jammu in Collaboration with NITTTR Chandigarh (19-23, March, 2012)
- Attended National conference at SLIET, Longowal in 2012 ..
- Attended Two week workshop on Engineering mechanics conducted by IIT Mumbai from 26 Nov to 6 Dec 2013.
- Attended NCEEITET 2014 held I GCET from 9 to 10 January 2015.
- Attended three days workshop on NBA accreditation at Jammu local Centre The Institution of Engineers, held on 8 to 10 Dec 2017 sponsored by TEQIP-III.
- Attended National conference on recent advancement In Mechanical Engineering from 16 to 17 March 2018; RCERT Ghaziabad.
- Attended FDP on Sustainable Design and Manufacturing (SDM 2018) held at SMVDU Katra from 12 to 16 Feb. 2018.
- TEQIP-III summer training program on Active learning workshop in 2018.
- Organized workshop on Application of Nanotechnology and Design of experiment on 29/11/2018.
- Workshop on Finite Modeling, updating and control on 3/05/2020.
- Workshop on Solid Modeling and visualization using AutoCAD on 27/04/2020.
- Seminar on Mechatronics product design on 05/03/2020.
- Finite Element Modeling and Analysis of Composites on 18/08/2020.
- Organized quiz on Industry 4.0 on 29/08/2021.
- Organized quiz on Additive Manufacturing on 8/08/2021.
- Rotor Dynamic and magnetic bearing on 8/10/2021.
- Workshop attended on IOT and its Applications on 01/2021.
- Attended Seminar on Intellectual property Rights in 2021.
- Seminar on Professional Development training program for faculty and administrators of project institutions of technical education quality improvement program III.
- Webinar on 3 D Printing on 24/01/2022.
- Workshop Attended on Basics of Entrepreneurship on 01/2022.
- FDP attended in 2020 on learning management system, blended learning and flipped approach in teaching and learning, emerging technologies in product design and development and recent development in sustainable processes.
- FDP attended in 2021 on Transforming supply chain with analytics, 3D Printing designs for academics and entrepreneurship.
- 7th National Conference and exhibition at GCET Jammu on 20/04/2020 to 21/04/2020.
- FDP in 2022 on IOT and its awareness training in manufacturing and its applications.
- Guest lecture at JKIMPARD, Jammu.
- Guest Lecture at GCET, Jammu on "Stress- A way of life". in March 2022.

## **SUBJECTS UNDERTAKEN:**

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- Operation research, Industrial engineering, Production planning and control, Production technology, CAD/CAM etc.
- Labs undertaken Fluid Mechanics and Strength of materials Lab, CAD/CAM lab etc..

## RESEARCH PUBLICATIONS:

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- Condition Monitoring in Industrial Maintenance Development: A Review National ISBN:978-93-86240-24-8 March, 2018
- Comparative Analysis of LPG and Petrol Operated Four Stroke Engine ISBN:978-93-86240-24-8 March, 2018
- Reliability Analysis of Various Automobile Parts of Ford 1250II Tractor under Preventive Maintenance using Weibull Distribution , International Journal of Scientific and Technical Advancements ISSN: 2454-1532 Vol. 4, 2018
- Automated Power Windows with Temperature Control , national ISBN:978-9386240-24-8 March, 2018
- A Comparative Analysis of JIT and Non JIT Industries.
- Performance Analysis of JIT and Non JIT Industries on the basis of T-Test, J-K Journal of Architecture & Engineering Sciences. Vol.01, April, 2018.
- Effect of Fillers on Tribological Properties of PTFE: A Review, International Journal of Scientific and Technical Advancements, ISSN: 24541532 Vol. 4, 2018.
- A Review of Nano-Particles as lubricant Additives for Friction and Wear Reduction, International Journal of Scientific and Technical Advancements, ISSN: 24541532 Vol. 4, 2018.
- Response of Microstructures of AISI4340 Steel and Inconel 718 with heat treatment: A Review, International Journal of Scientific and Technical Advancements ISSN:24541532 Vol. 4, 2018
- Just in Time Manufacturing: A Manufacturing Philosophy, International Journal of Scientific and Technical Advancements, ISSN: 24541532 Vol. 4, 2018
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- Optimizing Conditions for performing GMAW (TIG) Welding on Ultra 904L Specimens, International Journal of Scientific and Technical Advancements, ISSN: 24541532
- Evaluation of TPM initiative in industries IJIRSET ISSN:2319-8753.
- Smart waste sorter machine ,GRD journal ISSN(Online):2455-5703
- Optimizing sports coupe's engine by reducing frictional losses IJIRSET ISSN:2319-8753.
- Strengthening of Automobile chassis , GRD journal ISSN(Online):2455-5703 .
- Foot lever operated refrigerator door opener and motor operated closure GRD journal ISSN(Online):2455-5703
- Oral presentation of paper on JIT manufacturing in 7th JK Science congress held at university of Jammu from 13 Oct to 15 Oct 2011.
- Attended 10 day workshop as an expert on preparation of glossaries in Dogri held at J&K Academy of art culture and Language Jammu in August 2011
- Attended induction training program me through ICT held at NITTTR from 29 Jan 2013.
- Oral presentation of paper on JIT manufacturing in 3rd JK Science congress held at university of Jammu from 26 Feb. to 28 Feb. 2008.
- Participated in IEEE explore Digital library Awareness workshop held at GCET from 16 to 18 Sep. 2015
- Participated in FDP on Cloud , Big Data and Knowledge management held at GCET on 7 Aug. 2014 conducted by TCS.

- Effect of Fillers on Tribological Properties of PTFE: A Review International Journal of Scientific and Technical Advancements ISSN: 24541532 Vol. 4, 2018
- A Review of Nano-Particles as lubricant Additives for Friction and Wear Reduction International Journal of Scientific and Technical Advancements ISSN: 24541532 Vol. 4, 2018
- Response of Microstructures of AISI4340 Steel and Inconel 718 with heat treatment: A Review International Journal of Scientific and Technical Advancements ISSN: 24541532 Vol. 4, 2018
- Photovoltaic surface in plug- in electric vehicle (PEV) using Nanotechnology FEB.2019.(National Conference)
- Automated Power Windows With Temperature Control. FEB. 2019 (National Journal).
- Wattless Magnetic Refrigeration Using Hybrid Nano-Fluid. Feb.2020(National Conference).
- New Development of Photovoltaic TiO<sub>2</sub> Film as a Photovoltaic Removal of Micro Pollutants in Air. Feb 2020(National Conference).
- New Development in Hydrogen Vehicle Fuel Cell Stack. Feb 2020(National Conference).