**Faculty Profile**

1. **Name of Faculty** : **Dr. PRASHANT SAINI**
2. **Designation** : Assistant Professor (Senior Scale)
3. **Department** : Mechanical Engineering
4. **E-mail** : psme@mmmut.ac.in
5. **Mobile** : +91 9235552360(O), +91 7388067890(R)
6. **Address**  :Department of Mechanical Engineering, Madan Mohan Malaviya University

of Technology, Gorakhpur UP 273010 India.

1. **Educational Qualifications:** B. Tech (Mech. Engg.), M. Tech (Thermal Engg.), PhD (Mech. Engg.)
2. **Research Interest:** Heat Transfer; Thermodynamics; I C Engines & Biofuels; Efficient energy conversion devices; Solar CCHP
3. **Editor of edited book** titled ***Futuristic Trends in Mechanical Engineering*** (IIPV3EBS01\_G19) under Iterative International Publishers (IIP) established in USA & India.
4. **Publications**

Total Research Publications in SCI / SCI Mago/ UGC Journals/International & National Conference Proceedings : 38

1. **Research Project: 01** (Completed)

Experimental Investigation on a Novel Designed Phase Changed Material Based Solar Still with sanctioned amount of 10.48 Lacs. (CRS project Id: 1-5743255861)

1. **Ph.D. Thesis**

In Progress : 02 (Full time) + 02 (Part time)

1. **M. Tech. Dissertations**

Supervised/submitted *:* 30 (till 2022) + 02 (In progress)

1. **B.Tech. Projects**

Supervised:14 (till 2022) + 04 (In progress)

1. **Reviewer/Session Chair:**

***Research Papers***

1. InSc – International Journal of Mechanical Engineering
2. International Conference on Technologies and Innovations for Sustainable Development (TISD-2023), held at MNNIT Allahabad, Prayagraj on 27-29 October 2023.
3. International conference on Innovations in Mechanical and Materials Engineering (IMME-2022), held at MNNIT Allahabad, Prayagraj on 04-06 November 2022.
4. International Conference on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development (FEEMSSD-2023) held at MMMUT Gorakhpur on 16-17 March 2023.
5. **Memberships/Award of Professional Bodies**
6. Lifetime membership of Institute of Scholars Id: InSc20210241.
7. InSc – Research Excellence Award 2021. https://www.insc.in/awards/singleinfo.php?tid=4584
8. **International Conference/Workshop/Training/STC/STTP Organised: 04**
9. ***Two Days*** ***International Conference*** on Frontiers in Desalination, Energy, Environment and Material Sciences for Sustainable Development (FEEMSSD-2023), at **MMMUT Gorakhpur** on 16-17 March 2023.
10. ***One Week*** *STTP on “Modern trends in Manufacturing and Thermal Sciences” (MTMTS-2022)*at ***MMMUT Gorakhpur*** from 21st – 25th December 2022, Sponsored by **AICTE-MMMUT** MoU Activities.
11. ***One Week*** *STTP on “Emerging Trends in Thermal, Design & Manufacturing” (ETTDM-2020)*at ***MMMUT Gorakhpur*** from 26th – 30th October 2020.
12. ***One Week*** *FDP on “Emerging Trends in Thermal Engineering” (ETITE-2017) at* ***MMMUT Gorakhpur*** from*Feb 27-March 03, 2017.*
13. **Workshop/Training/STC/FDP/STTP Attended:** 23
14. **Expert Talk Delivered: 05**
15. Delivered an expert talk in AICTE TRAINING AND LEARNING (ATAL) ACADEMY sponsored Two-Week Hybrid mode FDP (Online mode JAN 23-28, 2023 & Offline mode FEB 06-10, 2023) on **“Energy Management Challenges for Alternative Eco-Friendly System” (EMCAEFS-2023)** at **MMMUT Gorakhpur.**
16. Delivered an expert talk in **AICTE-MMMUT** MoU Activities sponsored One-Week offline STTP (21st – 25th December 2022) on **“*Modern Trends in Manufacturing and Thermal Sciences*” (*MTMTS-2022*)** at **MMMUT Gorakhpur.**
17. Delivered an expert talk in TEQIP-III sponsored One-Week online FDP (26th – 30th October 2020) on **“Emerging trends in thermal, design & manufacturing” (ETTDM-2020)** at **MMMUT Gorakhpur.**
18. Delivered an expert talk in TEQIP-II sponsored One-Week short term course (Feb 27-March 03, 2017) on **“Emerging trends in thermal engineering” (ETITE-2017)** at **MMMUT Gorakhpur.**
19. Delivered an expert talk in One-Week short term course (Feb 20-25, 2017) on **“Thermal power plants: past and present”** at **KNIT Sultanpur.**
20. **Administrative Experience in years: 10 Years**
21. **Technical Report Published: 01**

V. K. Sharma, G. Braccio, D. Barsiano, G. Cornacchia, ENEA, Italy, and S. K. Srivastava, J. Singh, L. Yadav, **P. Saini**, “Joint Technical Report on Comprehensive Overview of the Biomass Based R&D Activities to Avert an Impending Future Energy Crisis and Safe-guard Environment with Reduced Carbon Emissions” MMMUT Gorakhpur on 1 May 2019.

1. Developed Course Structure/Syllabi, Instruction manuals and Laboratory (*Equipment/Machines/Software).*