

Faculty Profile

Name : Parul Chaudhary
Designation : Assistant Professor
Qualifications : Pursuing Ph.D., M.Tech. , B.E (ECE)
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Email : parul@msit.in
Area of Interest/Specialization: Energy Harvesting, Triboelectric material,
Piezoelectricity, Applications
Experience : 10 years



Key Publications

1. Parul Chaudhary and Puneet Azad ,”Energy Harvesting from Human Biomechanical Energy for Health-monitoring Devices”, *IETE Journal of Research*, 67(1), 74-81,2021
2. Parul Chaudhary and Puneet Azad ,” Energy harvesting using shoe embedded with piezoelectric material”, *Journal of Electronic Materials*, 49(11), 6455-6464, 2020

Papers presented in Conferences

1. Parul Chaudhary and Puneet Azad, “Demonstration of double electrode vertical-sliding triboelectric generator.” In *2017 International Conference on Computing, Communication and Automation (ICCCA)*, 1483-1487. IEEE, 2017

Awards and Recognitions

1. UGC-NET Qualified

Book Chapter/Books published

1. Parul Chaudhary and Puneet Azad ,” Efficiency Enhancement in a Piezoelectric Energy Harvester for a Low-Frequency System Using Synchronous Charge Inversion”, In *Innovations in Cyber Physical Systems* ,497-503, Springer, Singapore 2021

Memberships of Professional bodies : Lifetime Member of ISTE society