

Tripuresh Deb Singha

Assistant Professor in Mechanical Engineering
HOD, Basic Engineering



Educational Qualification

Graduation: B.E. in Mechanical Engineering from Jalpaiguri Govt. Engg, College (NBU).

Post Graduation: M.Tech. in Mechanical Systems Design from IIT Kharagpur.

Subjects Taught

Theory of Machines

Workshop/ Manufacturing Practices

Engineering Graphics and Design

Research Interests

Composite Sandwich structures

Finite Element Method

Vibration Induced Transport of Particle

International Conference Proceedings

- A. Das, **T. Deb Singha** and A. Karmakar, “Low velocity normal impact performance of functionally graded conical shell with simple power law”, Materialstoday: Proceedings, Vol. 11(2), pp. 729-739, 2019.
- **T. Deb Singha**, T. Bandyopadhyay and A. Karmakar, “Vibration and damping analysis of pre-twisted delaminated composite cylindrical shell using finite element method”, Int. Journal of Mechanical and Production Engg. Research and Development, ISSN (E): 2249-8001, Special Issue, pp. 17-24, 2018.
- **T Deb Singha**, A DasGupta, S.P. Khastgir, “Theoretical and experimental study of vibration induced directed transport of particles on a rigid surface.”, Proceedings of the 25th International Congress on Sound and Vibration, ISBN 978-83-7880-552-6, Hiroshima, July 8-12, 2018.

National Conference

- **T. Deb Singha**, T. Bandyopadhyay and A. Karmakar, “Free vibration analysis of pretwisted composite sandwich conical shell containing debonding”, National Conference on Trends and Advances in Mechanical Engineering (TAME - 2019) at KGEC Kalyani, West Bengal on Feb 15-16 jointly organized by KGEC and The Association of Engineers, India.

Career Development Program/ Seminar/ Workshop Attended (14)

- Participated in UGC sponsored Winter School, 2019 under Refresher Course on “Emerging Trends in Mechanical Engineering with Inter-Disciplinary Application” conducted by HRDC Jadavpur University from 2nd January 2019 to 22nd January 2019.
- Participated TEQIP-III sponsored Short Term Course on “Solid Modelling and Motion Studies using SolidWorks (SMMSS-2018)” conducted by NIT Rourkela from 18th June 2018 to 22nd June 2018.
- Participated Short Term Course on LABVIEW & MATLAB Applications in Engineering organized by NITTR Kolkata from 8th January to 12th January 2018.