

Name: Miss. Menaka Attmaja Ray

Employee ID: A5MEC00T62

Designation: Assistant Professor

Department: ME

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Date of Joining in the Institution: 01-08-2020

Academic Excellence:

QUALIFICATION	BOARD / UNIVERSITY	DIVISION	YEAR
Ph. D(ME)	IIT Kanpur	-	Pursuing
M. Tech (ME)	NIT Agartala	FIRST Class	May 2013
B. Tech	ITER, BPUT, Odisha	FIRST Class with Distinction	May 2010

Total Years of Experience (Teaching/Industry): 8 years

Period		Organization/Institution/Industry	Designation
Aug 2010	May 2011	TCS	Assistant Systems Engineer
May 2013	Aug 2020	IIT Kanpur	Ph.D Research Scholar
Aug 2020	Present	AITAM College	Assistant Professor

Areas of Interest:

1. Multiphase flow
2. Thermal Energy Storage
3. Renewable Energy
4. Computational Fluid Dynamics



Academic Projects Guided:

- i) Masters Projects : 1
- ii) Bachelor Projects : 1

Awards Received:

- Gold medal recipient for highest scorer in Thermal Science Engineering, NIT Agartala Feb 2014

Details of Publications:

International Journals:

Submitted:

1. Journal paper on “Effect of inclination on bubble inception”
2. Book chapter on “Modeling of Latent heat thermal Energy storage systems”

International Conferences:

1. Oral presentation on “Three-dimensional simulation of wall-interaction effects during gas bubble inception in liquid” in 13th International Conference on Flow Dynamics held at Sendai, from 10th October-12th October 2016.
2. Poster presentation on “Three-dimensional simulation of thermal energy storage using phase-change material in porous media” in 6th International and 43rd National Conference on Fluid Mechanics and Fluid Power-2016 held at Allahabad, from 15th December -17th December 2016.
3. Oral presentation on “Three-dimensional simulation of bubble growth dynamics for circular and square orifice using OpenFOAM” in 2nd Thermal and Fluids Engineering Conference held at Las Vegas from 2nd April -5th April 2017 (published in the proceedings, DOI: [10.1615/TFEC2017.cfn.017525](https://doi.org/10.1615/TFEC2017.cfn.017525))
4. Oral presentation on “Three-dimensional simulation of a bubble rising in viscous liquid using OpenFOAM” in 2nd Thermal and Fluids Engineering Conference held at Las Vegas from 2nd April -5th April 2017.
5. Oral presentation on “Heat transfer for pulsatile flow through a channel with symmetric sudden expansion and contraction in the presence of magnetic field” in Asian Symposium on Computational Heat Transfer and Fluid Flow held at IIT Madras from 10th December -13th December 2017.

Details of Workshops / Courses Attended:

Workshops:

S. No.	Dates	Name of the Programme	Host Institution
1	30 th Oct to 10 th Nov, 2017	GIAN course, Numerical Modelling of Multiphase Flows, IIT Kanpur, 30 October 2017-10 November 2017	IIT Kanpur
2	14 th to 20 th Dec,2015	One-week training program on Computational Fluid Dynamics (CFD) with OpenFOAM, VNIT Nagpur	VNIT Nagpur

Other Achievements:

1. Secured GATE Score of 503 in GATE-2010

Menaka Attmaja Ray
Signature