

Name: Prof. Pranab Kanti Roy
 Designation: Assistant Professor
 Branch: Mechanical Engineering
 E-mail: pkroy@iutripura.edu.in



Educational Qualification(s):

Qualifications	University
M.Tech (Thermal Engineering)	National Institute of Technology, Silchar
PhD (Thesis Submitted)	Indian Institute of Technology (ISM), Dhanbad

Details: **Experience in years:** Academic: 10 years

Sl. No.	Organization	Position Held	Duration	
			From	To
1	ICFAI University, Tripura	Assistant Professor	Feb/2019	Till date
2	Bengal Institute of Technology and Management, Santiniketan, West Bengal	Assistant Professor	April/2010	Feb/2019
3	NIT, Durgapur	Research Scholar	Jan/2009	April/2010

Details: Experience in years Industrial: 1.5 years

Sl. No.	Organization	Position Held	Duration	
			From	To
1	AFCONS Infrastructure Limited	Engineer	Jan/2007	Aug/2008

Other Information:

(a) Publication details.

8. **Pranab Kanti Roy**, Ashis Mallick, Hiranmoy Mondal and Precious Sibanda, A modified decomposition solution of triangular moving fin with multiple variable thermal properties, *Arabian Journal for Science and Engineering* 43 (2018) ,1485–1497 (*Springer*). IF: 1.09.
7. **Pranab Kanti Roy**, Ashis Mallick, Hiranmoy Mondal, Sicelo Goqo, and Precious Sibanda, Numerical Study on rectangular-convex-triangular profiles with all variables thermal properties, *International Journal of Mechanical Sciences*, 133 (2017) 251-259. (*Elsevier*). IF: 3.57.
6. Hiranmoy Mondal, Poulomi De, Sewli Chatterjee, Precious Sibanda, and **Pranab Kanti Roy**, MHD Three-Dimensional Nanofluid Flow on a Vertical Stretching Surface with Heat generation/Absorption and Thermal Radiation, *Journal of Nanofluids*, 6 (2017) 189-195.
5. **Pranab Kanti Roy**, and Ashis Mallick, Thermal Analysis of Straight rectangular fin using homotopy perturbation method, *Alexandria Engineering Journals*, 55, (2016), 2269-2277. (*Elsevier*).
4. **Pranab Kanti Roy**, Apurba Das Hiranmoy Mondal, Ashis Mallick, Application of homotopy perturbation method for a conductive radiative fin with temperature dependent thermal conductivity and surface emissivity, *Ain Shams Engineering Journal*, 6 (2015) 1001-1008 (*Elsevier*).
3. **Pranab Kanti Roy**, Hiranmoy Mondal, Ashis Mallick, A decomposition method for convective-radiative fin with heat generation, *Ain Shams Engineering Journal*, 6 (2015) 307-313 (*Elsevier*).
2. **Pranab Kanti Roy** and Kosalaya Chakraborty, Heat transfer and friction characteristics of artificially roughened solar air heater duct: a review, *Asian Journal of Science and Technology*, 4, 7, 45-56(2013).
1. A. Bowmik, R.K. Singla, **Pranab K. Roy**, D.K. Prasad, R. Das and R. Repaka, Predicting geometry of rectangular and hyperbolic fin profiles with temperature-dependent thermal properties using decomposition and evolutionary methods, *Energy Conversion and Management* 74 (2013) 535-547(*Elsevier*).IF:6.37.

(b) Details of Seminar/Workshop/Conference.

1. **Pranab Kanti Roy** and Hiranmoy Mondal, Influence of moving fins with temperature dependent surface heat flux and multi boiling heat Transfer, *National Conferences on Recent Advances in Mathematics, Engineering & Management RAMEM-2014*, BITM Santiniketan, 2014.

2. R.K. Singla, R. Das and **Pranab K. Roy**, Application of Adomian decomposition method for a conductive, convective and radiative moving fin, 22nd National and 11th ISHMT-ASME Heat & Mass Transfer Conference, IIT Kharagpur, India, 2013.

3. **Pranab Kanti Roy**, Thermo hydraulic Characteristics of artificially roughened solar air heater duct, 4th International Conference on Recent Advances in Mathematics, Technology and Management, BITM Santiniketan 2012.

(c). Professional membership of reputed bodies if any.

Reviewer

1. Journal of Alloys and Compounds (*Elsevier*).
2. Infrared Physics and Technology (*Elsevier*).