Faculty Profile

Name:	**Dr. T. Divya**
Designation:	Assistant Professor
Teaching Areas:	Differential Equations, Calculus, Linear Algebra, Curve Tracing, Complex Analysis, Numerical Analysis, Statistics and Probability, Transforms, Operation Research, C and Data Structures, CPP.
Research Interests:	Computational Fluid Dynamics, Mass Transfer, Finite Volume Method, Flow Accelerated Corrosion, Turbulence.
Education:	*Ph.D.* (*Computational Fluid Dynamics)* 2014, Department of Mathematics, National Institute of Technology, Warangal. M.Sc (Maths with Computer Science) 2009, Badruka College, Osmania University. B.Sc (MPCs) 2006, Princeton Degree College, Osmania University.

Professional Experience (Total: 10)

Teaching:

1. From Oct. 2020: Assistant Professor at FST-IFHE, Hyderabad
2. Aug 2018 – Sep 2020: Assistant Professor at MRCET, Hyderabad
3. July 2017 – May 2018: Adhoc Faculty at NIT Andhra Pradesh
4. July 2104- May 2017: Adhoc Faculty at NIT Warangal
5. Aug. 2013- May 2014: Adhoc faculty at Kakatiya Institute of Technology Warangal

Research:

6. March 2010- July 2013: Senior Research Fellow of BRNS Project, at NIT Warangal

Research / Selected Publications:

1. H.P.Rani, T. Divya, R. R.Sahaya, Vivekanand Kain and D.K. Barua, Unsteady turbulent flow in a 3D 90 degree bend under wall thinning degradation environment,*Nuclear Engineering and Design, 267, 164-171(2014)**, I.F - 1.620**.*
2. H.P.Rani, T. Divya, R. R.Sahaya, Vivekanand Kain and D.K. Barua, Numerical simulation of Turbulent flow in carbon steel pipes leading to flow accelerated corrosion, *Arabian Journal of Science and Engineering, 39, 6435-6451(2014), **I.F -1.711**.*
3. H.P.Rani, T. Divya, R. R.Sahaya, Vivekanand Kain and D.K. Barua, CFD study of flow accelerated corrosion in 3D elbows, *Annals of Nuclear energy,* 69, 344-351(2014), ***I.F* -1.501**.
4. H.P.Rani, T. Divya, R. R.Sahaya, V.Kain and D.K. Barua, Numerical investigation of energy and Reynolds stress distribution for a turbulent flow in an orifice, *Engineering Failure Analysis,* Vol. 34, pp. 451-463(2013), ***I.F* -2.897.**