

## NAME: Dr. Tharakeshwar T.K.

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### Education

	Degree	Year	Institute	Specialization
1	Ph.D	2017	Jawaharlal Nehru of Technological University, Anantapuram (JNTUA)	Thermal
2	M.Tech	2006	Vivesvaraya Technological University, Belgaum. (VTU)	Thermal
3	B.E.	1997	Bangalore University (BU)	Mechanical

### Professional Experience

	Date (from-to)	Designation	Organization
1	20th July 2006 to till date.	Assistant Professor	<b>Siddaganga Institute of Technology</b> , Tumkur- 572103, Karnataka, India.
2	02-Sep-2002 to 12-Aug-2004	H.O.D	“Nadgir Polytechnic” Near Modi Eye Clinic Rajajinagar,

	(2 years)		Bangalore-560010 India. Ph: 23387333/ 23387347
3	Jan 1998 to 01 Sep 2002  (4.8 years)	Faculty (Teaching)	“B.I.I.T (Bangalore Institute of Information)” #274/1 14 <sup>th</sup> Cross, 2 <sup>nd</sup> Main, Above Post Office Behind Ganesh Temple, Thygarajanagar, Bangalore-560028 India.

*(Please fill in reverse order. Current designation should be at the top)*

#### Courses Taught

##### Undergraduate Courses

Sl No	Subjects	Mechanical Department
1	Engineering Materials	U.G
2	Strength of Materials	U.G.
3	Estimation and Costing	U.G.
4	Industrial Management	U.G
5	Fundamentals of Mechanical Engineering Science	U.G.
6	Basic Thermodynamics	U.G.
7	Applied Thermodynamics	U.G.
8	Finite Element Methods	U.G
9	Non-conventional energy sources.	U.G.
10.	Mechatronics	UG
11.	Power Plant Engineering	UG
12.	Computer Aided Engineering Graphics.	U.G.
13.	Computer Aided Machine Drawing	UG
14.	Energy Engineering	UG

##### Postgraduate Courses

SI No	Subjects	Mechanical Department
1	Heat and Mass Transfer	M.Tech (Thermal Power Eng.)
2.	Advanced Power Plant Cycles	M.Tech (Thermal Power Eng.)
3.	Design of Theory and Steam Turbines.	M.Tech (Thermal Power Eng.)

### Publications

#### Journals

1. T.K. Tharakeshwar, K.N. Seetharamu, B. Durga Prasad, Multi-objective optimization using bat algorithm for shell and tube heat exchangers, *Applied Thermal Engineering*, Elsevier, 110 (2017) 1029–1038.
2. Tharakeshwar T.K, K.N. Seetharamu, B.Durga Prasad, Bharath Kumar, “Optimization by using Bat algorithm on shell and tube heat exchangers”, *Indian Journal of Advances in Chemical Science S1* (2016) 1-5.

#### Conference Proceedings

- Presented paper in the National Conference on “Emerging Technologies in Mechanical Engineering for Sustainable Development” and awarded the certificate, 22<sup>nd</sup> and 23<sup>rd</sup> Dec 2006 S.R.K.R Engineering College, Bhimavarm , Andhra Pradesh.
- Presented paper in the National Conference on “Emerging Trends in Energy and Environment” and awarded the certificate, 18<sup>th</sup> and 19<sup>th</sup> Feb 2005 Sri Sai Ram Engineering College, Chennai.
- Tharakeshwar T.K , K.N. Seetharamu, B.DurgaPrasad, “Optimization using flower pollination for a shell and tube heat exchanger”, National conference on Emerging Trends in Mechanical Engineering, JNTUACE, Ananthapuramu,27 Aug 2016, page 46.
- Presented paper in the International Conference on “Computer Aided Engineering “ held at Githam University of Hyderbad from 10- 12 Dec 2015.
- Presented paper in the International Conference on “The Sixth International Congress on Computational Mechanics and Simulation” held at I.I.T, Bombay from 27 June -1 July 2016.
- Tharakeshwar T.K. K.N Seetharamu, “ Prediction of exit temperature of 1-2 pass cross flow shell and tube heat exchangers using ANN”, at

Kalaignarkarunanidhi Institute of Technology, Coimbatore, Tamilnadu. 23-24  
March 2018.