

FACULTY PROFILE

Name : VARUN BABU
Designation : Assistant Professor (Senior Grade)
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Area of Specialization : Materials Science

Total Experience : Academic : 10 Years 9 Months
Industry : Nil

Educational Qualification:

Degree	Branch / Specialization	College	University
Ph.D (Pursuing)	Materials Science	Government College of Technology-Coimbatore	Anna University
Master in Engineering	Engineering Design	Anna University of Technology-Coimbatore	Anna University of Technology-Coimbatore
Bachelor in Engineering	Mechanical Engineering	CSI College of Engineering, Ketti, The Nilgiris	Anna University-Chennai

Experience Details:

S.No	Institution/Industry	Design.	Experience		Total Years & Months
			From	To	
1	Government Polytechnic College	Lecturer	01-06-2005	24-06-2008	3 Years 1 Month
2	Sri Ramakrishna Institute of Technology	Lecturer	25-06-2008	31-07-2012	4 Years 2 Months
3	Sri Ramakrishna Institute of Technology	Assistant Professor	01-08-2012	30-09-2014	2 Years 1 Month
4	Sri Ramakrishna Institute of Technology	Assistant Professor (Senior Grade)	01-10-2014	Till Date	1 Year 5 Month

Total (as on Feb 2016)	10 Years 9 Months
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Publications :

Journals :

1. Suresh Vellaiyan , K.S.Amirthagadeswarn, B.Varun, June 2015,"Carbon dioxide capture via liquid nitrogen in compression ignition engine", International Journal on Diverse aspects of Environment, ISSN 0972-6268,Vol. 14, No. 2(June), Year 2015.
2. Suresh V, Amirthagadeswaran K S, Vijayakumar S, Varun B,2014,"Emission Characteristics of Diesel Engine using Water-in-Diesel Emulsified Fuel and its CFD Analysis",International Journal of Applied Environmental Sciences, ISSN 0973-6077 ,Volume 9, Number 5 (2014), pp. 2739-2749
3. Varun.B, May, 2014 ,"Stress Analysis and Optimization of Crankshafts Subject to Static Loading" IJECS Volume 3 Issue 5,Page No.5579-5587 , ISSN: 2319-7242
4. Medhun Hashini D.R and Varun..B, May 2014 "Clustering Approach to Test Case Prioritization Using Code Coverage Metric " International Journal of Computer Science and Technology Special Issue, ISSN :2320 0790,

National Conferences:

1. Varun.B, Suresh V and Mutu Kumar V "Optimization of Spur Gears by Using Genetic Algorithm" in the National Conference on "Intelligent Automation in Manufacturing and Automotive Technologies" IAMAT 2013 , Sri Ramakrishna Institute of Technology, on 27th of April 2013.
2. Suresh V and Varun B "Experimental Investigation of Engine Performance and Emission Characteristics using Nano Blended Diesel" in the National Conference on "Intelligent Automation in Manufacturing and Automotive Technologies" IAMAT 2013,Sri Ramakrishna Institute of Technology, on 27th of April 2013.
3. Varun B "Stress Investigation and Optimization of Crank Shaft Subjected to Dynamic and Static Loading" in the 7th National Conference e-TIME 2014, Karpagam College of Engineering, Coimbatore on 28th March 2014.
4. Medhun Hashini D.R. and Varun B "Clustering Approach to Test Case Prioritization Using Code Coverage Metric " in the fourth National Conference on Advanced Computing,Applications & Technologies and Easwari College of Engineering,Chennai on May 2014

Seminar, Conference, Workshop Organized:

S.No.	Title	Duration	Level (Intern./ National)
1	Graphical System Design using LabVIEW	2 Days	National
2	Entrepreneurship	1 Day	National

Seminar, Conference, Workshop Attended:Conference Participated:

1. Participated in the National Conference on "Innovative Practices for Sustainable Energy and Waste Management" Organized by Department of Civil and Mechanical Engineering, Sri Ramakrishna Institute of Technology, During April 24th & 25th, 2009.
2. Participated in the National Conference on "Intelligent Automation in Manufacturing and Automotive Technologies" Organized by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology, on 30th April 2011.

Faculty Development Programme:

1. Attended a Two Week Faculty Development Programme on "Fabrication and Characterization of Composite Materials" Conducted by Dr.Mahalingam College of Engineering and Technology, Pollachi, Coimbatore. From 21-04-2015 to 03-05-2015.
2. Attended a Faculty Development Programme on "CAD using CATIAV6" organised by the school of Mechanical and Building Sciences,VIT Chennai on 26th and 27th of September 2014
3. Attended a Two Week Faculty Development Programme on "Fluid Mechanics and Machinery" Conducted by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore from 20-05-2014 to 30-05-2014
4. Attended a Two Week Faculty Development Programme on "Modeling and Optimization of Manufacturing systems by Intelligent Techniques" Conducted by Bannari Amman Institute of Technology, Coimbatore, during the period 2nd May 2013 to 18th May 2013
5. Attended a Two Week Faculty Development Programme on "Engineering Mechanics" Conducted by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore during November-December 2013
6. Acted as s Teaching Assistant for the Two Week Faculty Development Programme on "Engineering Thermodynamics" Conducted by IIT Bombay at Sri Ramakrishna Institute of Technology, Coimbatore During November-December 2013
7. Attended a Two Week Faculty Development Programme on "Entrepreneurship" Conducted by PSG College of Technology, Coimbatore, during the period November 19 – December 1 2012.

Workshops:

1. Participated in a One day workshop on "NPTEL" Conducted by Indian Institute of Technology, Chennai at Ammini College of Engineering Palakkad Kerala on 17th May 2015
2. Participated in a One day workshop on "LabVIEW" Conducted by National Instruments, Bengaluru at The Residency, Coimbatore on 17th May 2015

3. Participated in a One day workshop on "Friction Stir Processing of Aluminium Alloys" Conducted by Department of Production Engineering, Indian Institute of Technology, Madras on 05th March 2015
4. Participated in Two days workshop on "Design of Experiments" Conducted by Department of Mechanical Engineering, SNS College of Technology-Coimbatore on 30th and 31st January 2015.
5. Participated in One Day workshop on "Modern Trends in Optimization Techniques" Conducted by Department of Mechanical Engineering, Sri Ramakrishna Institute of Technology-Coimbatore.
6. Participated in the One Day Workshop on "Design for Manufacture and Assembly" organized by the School of Mechanical & Building Sciences, VIT-Chennai on March 02nd.2013
7. Participated in a Two Day ISTE-Workshop on "Aakash for Education" Conducted by Indian Institute of Technology Bombay on 10th & 11th November, 2012
8. Attended a One Day Workshop on "Non Conventional Energy Sources" Conducted by Sri Ramakrishna Institute of Technology, Coimbatore, on 01 March 2012.
9. Attended a One Day Workshop on "Effective Experimentation in Mechatronics Laboratory" Conducted by SNS College of Technology, Coimbatore, on 27-07-2012.
10. Attended a One Day Workshop on "Learn Solid Modeling in One day" Conducted by SKR Engineering College, Chennai, at Karpagam Institute of Technology, Coimbatore, on 20-07-2012.
11. Attended a One Day Workshop on "Need based Approach for Effective Teaching" Conducted by Sri Ramakrishna Institute of Technology, Coimbatore, on 21-06-2011.
12. Attended a One Day Workshop on "Reverse Engineering and Rapid Prototyping" Conducted by Kumaraguru College of Technology, Coimbatore, on 25-06-2004.

Membership in Professional Bodies:

1. Professional Life time Member in International Association of Engineers (ID: 126856)
2. Life member in Indian Welding Society (L01610)
3. Life member in WSSET

Contributions to the Institution, Department and Society:

1. Hostel Chief Deputy Warden during (2008-2012)
2. Engineering Practices Laboratory In charge during (2009-2014)
3. Educational Expo Coordinator during (2009-2015)
4. Class Advisor for 2013-2017 Mechanical Engineering Batch