




H.K.E Society's

Poojya Doddappa Appa College of Engineering, Kalaburagi

FACULTY PROFILE FORMAT

Personal Details	
Name:	Dr. SRINIVAS VALMIKI
Designation:	Associate Professor
Department:	Mechanical Engineering
College Address:	PDA College of Engineering, Aiwan-E-Shahi Road Gulbarga (Kalaburagi)-585102
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Areas of Interest	Thermal Engineering
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Subjects Taught	
UG	PG
Mechanical Engineering Science	Steam Generator and Auxiliaries
Basic Thermodynamics	Thermal Power station
Applied Thermodynamics	Theory of I C Engines
Fluid Mechanics	Design of Heat Transfer Equipments
I C Engines	
Dynamics Of Machines	
Fluid Machinery	
Heat and Mass Transfer	
Automotive Engineering	
Energy Engineering	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	I.C Engines (Alternative Fuels)	PDA College of Engineering	VTU Belagavi	June 2021
PG (M.Tech)	Thermal Power Engineering	PDA College of Engineering	VTU Belagavi	Jan 2000
UG (B.E)	Mechanical Engineering	PDA College of Engineering	Gulbarga Univesity Gulbarga	Jan 1996

Work Experience							
Name of the Institution		Position		From		To	
PDA College of Engineering, Gulbarga		Associate Professor		13.05.2005		Till date	
HMSIT Tumakuru		Lecturer		1 Feb 2000		04 May 2005	
Total Experience	21	Teaching	21	Research		Administration	

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	20	----	01	01	22
Recent Publications (Journals)					
1.	Influence of CR and TBC on the Performance and Emission Attributes of MEMS Biodiesel of DI-CI Engine. International Journal of Mechanical and Production Engineering Research and Development (IJMPERD). ISSN (P) : 2249-6890; ISSN (E) : 2249-8001, Vol. 10, Issue 3, June 2020				
2.	A comparative Study on Performance and Emission in IC Engine with Mango Seed Methyl Ester Blends. Paper ID : D6698048419, IJRTE, (Scopus Indexed) Sept 2019 Volume-8, Issue-3, 6713-6723 ISSN:2277-3878				
3.	Experimental Investigation of Emission Characteristics for Methyl Ester Mango seed Biodiesel of Diesel Engine. TJPRC Pvt. Ltd. IJMPERD(UGC Approved) Scopus indexed June 2019 Vol. 9, Issue 3, 533-550 ISSN (P): 2249-6890; ISSN (E): 2249-8001				
4.	Influence of Thermal Barrier coating and MEMS Biodiesel on the performance and Emission characteristics of Single cylinder diesel engine. TJPRC Pvt. Ltd. (IJMPERD) Scopus indexed , UGC approved, Apr 2019, Vol. 9, Issue 2, 277-286 ISSN (P): 2249-6890; ISSN (E): 2249-8001				
5.	Performance and Emission Characteristics of a single cylinder diesel engine operated with Methyl Ester Mango Seed Biodiesel. IJMRA(IJM,IT&Engineering) (Scopus indexed)				

	Jan 2019, Vol 9, issue 1, Page No: 168-191, ISSN: 2249-0558 IF:7.119
6.	Emission Characteristics of Totapuri Mango Methyl Ester Biodiesel fuelled single cylinder Four strokes Diesel Engine. IJRAT, Nov 2018, Vol. 6, No 11, 3226-3231 ISSN: 2321-9637
7.	Performance and emission characteristics of Methyl ester Mango seed Biodiesel on Four stroke Diesel engine with 200 bar injection pressure. (IJET), Volume 4, Issue 2, March-April 2018, page No. 327-332. ISSN: 2395-1303. (International Journal).
8.	An Enhancement in Finding the Characteristics of CI Engine with Methyl Ester Mango seed Biodiesel as Blends-A Review. (IJET), Volume 4, Issue 1, Jan-Feb 2018, Page No: 529-535, ISSN: 2395-1303. (International Journal).
9.	Review paper on Algae oil and Rice bran oil biodiesel as an alternative fuel for diesel engine. (AIJREAS), Volume 2, Issue 11 (2017, NOV), Page No: 302-306, ISSN-2455-6300 online. (International Journal).
10.	Review paper on Algae oil and Rice bran oil biodiesel as an alternative fuel for diesel engine. (AIJREAS), Volume 2, Issue 11 (2017, NOV), Page No: 302-306, ISSN-2455-6300 online. (International Journal).
11	Experimental investigation of performance, emission, and Combustion characteristics of C.I engine using methanol blended with Kusum Biodiesel and diesel at different injection pressures. (IRJET), Volume 4, Issue 8, August 2017, IF: 5.181, e-ISSN: 2395-0056, p-ISSN: 2395-0072. Page No: 512-517. (International Journal).
12	Heat transfer enhancement in pipe with passive enhancement techniques. (IJEDR), Volume 5, Issue 3, August 2017, Paper ID: IJEDR1703085, Page No: 578-583. (International Journal).
13	Opportunities for energy saving in sugar factory based on co-generation plant. (IJTR) Volume-5, Issue No. 4, July 2017, Page no. 6785-6889, ISSN: 2320-5547. (International Journal).
14	Design and analysis of Bagasse dryer to recover energy of water tube boiler in a sugar factory. (IJTR), Vol-5, Issue no. 4, July 2017, Page No. 6645-6652, ISSN: 2320-5547. (International Journal).
15	Heat transfer enhancement in pipe flow using wire coil inserts in forced convection. (IJERT), Volume6, Issue 8, Aug 2017, Reg. No: IJERTV6IIS080064. (International Journal).
16	Heat transfer enhancement in pipe with passive enhancement techniques. (IJEDR), Volume 5 Issue 3, August 2017, ISSN: 2321-9939, Paper ID: IJEDR1703085. (International Journal).
17	Design and analysis of Bagasse dryer to recover energy of water tube boiler in a sugar factory. (IJTR), Vol-5, Issue no. 4, July 2017, Page No. 6645-6652, ISSN: 2320-5547. (International Journal).
18	Heat transfer enhancement in pipe flow using wire coil inserts in forced convection. (IJERT), Volume6, Issue 8, Aug 2017, Reg. No: IJERTV6IIS080064. (International Journal).
19	Heat transfer enhancement in pipe with passive enhancement techniques. (IJEDR), Volume 5 Issue 3, August 2017, ISSN: 2321-9939, Paper ID: IJEDR1703085. (International Journal).
20	An Enhancement in Finding the Characteristics of CI Engine with Methyl Ester Mango seed Biodiesel as Blends-A Review. (IJET), Volume 4, Issue 1, Jan-Feb 2018, Page No: 529-535, ISSN: 2395-1303. (International Journal). Jan 2018
21	Numerical Investigation of Heat transfer of AL ₂ O ₃ /Water Nanofluid in the concentric tube heat exchanger, National Conference on “ Emerging Trends in Mechanical Engineering” ETME12, Dept of Mechanical Engineering, Raja Rajeshwari College of Engineering, Bangaluru-560074.
22	Experimental Studies of Performance and Emission Testing on Diesel Engine by Using Thevetia Oil and its Blends. National Conference on Recent Advances in Mechanical Engineering and their impact on Indian Industries (RAMEIII)-2012, 20-22 September, Page No : 428-433.

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	Indian Society for Technical Education, LM 124054
2.	Member of Institution of Engineers.
3.	
4.	

Training Programmes Attended	
1.	Recent Developments In Advanced Composite Materials, Manufacturing and Sustainability. Organized by IP Dept PDA College of Engineering, Kalaburagi, Karnataka. 10-22 January 2020
2.	Electric Vehicles, Motors, Storage and Technologies organized by Electrical and Electronics Dept PDA College of Engineering, 03 rd to 07 th September 2019
3.	Recent Advances in Micro Manufacturing (RAMM- 2019) organized by Department of Mechanical Engineering, BIET Jhansi in collaboration with PDA College of Engineering, Kalaburagi during, July 23-27, 2019 under TEQIP-III
4.	Implementation of Outcome based education in higher Educational Institutions, Conducted by SIT Tumakuru from 8 th – 12 th July 2019

