



H.K.E Society's
Poojya Doddappa Appa College of Engineering,
Kalaburagi

FACULTY PROFILE FORMAT

Personal Details	
Name:	Dr HARISHCHANDRA VITHOBA ASTAGI
Designation:	ASSOCIATE PROFESSOR
Department:	MECHANICAL ENGINEERING
College Address: Dept of Mechanical Engineering P D A College of Engineering, Kalaburagi, 585102 Karnataka	
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Areas of Interest	I C Engines, Alternative fuels(Biofuel), Heat Transfer
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Subjects Taught	
U G	P G
Mechanical Engineering Science	Steam Generators and Auxiliaries
Computer Aided Engineering Drawing	Turbine Generators and Auxiliaries
Dynamics of Machines	

Automobile Engineering	
Heat & Mass Transfer	
Power Plant Engineering.	
Energy Engineering	
Operations Research	
Internal Combustion Engines	
Non Conventional Energy Source	

Academic Background				
Degree	Specialization	Name of the Institute	University	Month and Year of Passing
Ph.D	Alternative fuels(Biofuel)	P D A College of Engineering, Kalaburagi	Visvesvaraya Technological University, Belagavi	October,2020
PG (M.Tech)	Thermal Power Engineering	P D A College of Engineering, Kalaburagi	Visvesvaraya Technological University, Belagavi	February,2005
UG (B.E)	Mechanical Engineering	P D A College of Engineering, Kalaburagi	Gulbarga University Gulbarga	April,2000

Work Experience							
Name of the Institution		Position		From		To	
P D A College of Engineering, Kalaburagi		Associate Professor		07.12.2006		Till date	
Total Experience	19	Teaching	19	Research	04	Administration	02

Research Publications					
Total Number of Publications	International Journal	National Journal	International Conference	National Conference	Total
	16	- -	- -	01	17
Recent Publications (Journals)					
1.	“Experimental Analysis and Performance Test of a Direct Injection Diesel Engine Fuelled with Madhuca Indica Biodiesel” International Journal Of Innovative Research In Technology(IJIRT) ISSN: 2349-6002 Vol. 8 Issue 03, August-2021.				
2.	“Electrical Multipurpose Agriculture Vehicle” International Research Journal of Engineering and Technology (IRJET) ISSN: 2395-0056 Vol. 8 Issue 07, July-2021.				
3.	“Numerical Simulation and Experimental Investigation of Heat Transfer and Flow Structures around Heated Spherical Bluff Bodies” International journal for scientific Research And Development(IJSRD) ISSN: 2321-0613 Vol. 8 Issue 07, September -2020.				
4.	“Experimental Investigation of Injection Parameters on Engine Performance Using Neem Biodiesel and Optimization using Taguchi Method” International Journal of Technical Innovation in Modern Engineering & Science (IJTIMES) ISSN: 2455-2585 Vol. 6 Issue 03, March-2020.				
5.	“Investigation Of Best Performing Biofuel Among Various Bio Oils Diesel Engine” International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 8 Issue 04, April-2019				
6.	“Experimental Investigation of Engine Characteristics of Diesel Engine using Neem Biodiesel with Methanol Blending” International Research Journal of Engineering and Technology (IRJET) ISSN: 2395-0056 Vol. 6 Issue 08, August-2019				
7.	“Effect of nozzle opening pressure on the performance and emission of a di diesel engine using linseed biodiesel” (IJSART)International journal for science and advance research in technology, Volume No.4, Issue No.7, July 2018, 2395-1052.				
8.	“Heat Transfer Improvement of Cylinder Using Elliptical Fins” (IJSART), IJSART)International journal for science and advance research in technology Volume 4 Issue 6 – JUNE 2018,2395-1052				

9.	“Numerical Investigation of Sloshing In A Fuel Tank” (IJSART), IJSART)International journal for science and advance research in technology Volume 4 Issue 6 – JUNE 2018,2395-1052
10.	“Experimental investigation of performance, emission and combustion characteristics of C I engine using ethanol blended with mahua oil and diesel” (IJSART)International journal for science and advance research in technology, Volume No.3, Issue No.9, September,2017, 2395-1052.
11	“ Study On Performance and Emission Characteristics Of A Cottonseed Oil Blended With Methanol On A Diesel Engine With And Without EGR” (IJTR) International Journal Of Innovative Technology And Research, Volume No.5, Issue No.4, June – July 2017, 7128-7141.
12	“Experimental Investigation of Effect of Various Parameters on CI Engine Characteristics Using Cottonseed Biodiesel” (IJTR) International Journal Of Innovative Technology And Research, Volume No.5, Issue No.4, June – July 2017, 6861-6872.
13	“Effect of exhaust gas recirculation (EGR) on performance, emissions and combustion characteristics of a low heat rejection (lhr) diesel engine using pongamia biodiesel” (JTEN)Journal of Thermal Engineering Vol. 2, No. 6, Special Issue 5, pp. 1007-1016, December, 2016.

Memberships in Professional Bodies	
S.No.	Name of the Professional Body
1.	Life Time Member of Indian Society For Technical Education (ISTE)
2.	Member of Institution of Engineers (India) (IEI) (MIE)

Programs Organized	
1.	ATAL AICTE Sponsored one week FDP on “Sustainability Engineering” at P D A College of Engineering, Kalaburagi 8th to 12th Feb ,2021
2.	AICTE Sponsored Two week FDP on “Recent Developments in Advanced Composite Materials, Manufacturing and Sustainability” at P D A College of Engineering, Kalaburagi 10th to 22th January ,2020
3.	ATAL AICTE Sponsored one week FDP on “Alternative fuels : Biofuel” at P D A College of Engineering, Kalaburagi 04th to 08th October ,2021
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Awards	
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Training Programmes Attended	
1.	ATAL AICTE Sponsored one week FDP on "Design Thinking" at P D A College of Engineering, Kalaburagi 18th to 22th January ,2021
2.	ATAL AICTE Sponsored one week FDP on “Sustainability Engineering" at P D A College of Engineering, Kalaburagi 8th to 12th Feb ,2021
3.	NPTEL FDP on “Introduction to Operations Research” IIT Madras 19th Feb to 09th April ,2021
4.	AICTE Sponsored Two week FDP on “Recent Developments in Advanced Composite Materials, Manufacturing and Sustainability” at P D A College of Engineering, Kalaburagi 10th to 22th January ,2020
5.	NPTEL FDP on “IC Engines and Gas Turbines” IIT Guwahati 27th January to 17th April ,2020
6	AICTE Sponsored one week FDP on “Mathematical Perspectives on Computational Science And Engineering” at Department of Mathematics, Ramaiah Institute of Technology, Bangalore 6th to 8th July,2020.
7	NPTEL FDP on “Fundamentals Of Artificial Intelligence” IIT Guwahati 14th Sept to 04th Dec ,2020
8	NPTEL FDP on “Stress Management” IIT Kharagpur 14th Sept to 09th Oct ,2020
9	NPTEL FDP on “Effective Engineering Teaching In Practice” IIT Madras 27th January to 29th March ,2020.
10	NPTEL FDP on “Qualitative Research Methods and Research Writing” IIT Kharagpur 27th January to 17th April ,2020.
11	ATAL AICTE Sponsored one week FDP on "Internet of Things (IoT) at Shetty institute of technology,Kalaburagi 05th to 09th October 2020.
12	“Reliability, Maintainability and Quality Issues in Process Industries” at Dr. B. R. Ambedkar National Institute of Technology, Jalandhar, 04th to 08th August 2020.
13	AICTE Sponsored Two week FDP on “Machine Learning Tools and Applications for Engineers” at VJTI Mumbai, 10th to 22th June ,2019
14	NPTEL FDP on “Accreditation and Outcome based Learning” IIT Kharagpur 26th August to 18th October ,2019

15	TEQIP Sponsored one week FDP on “Cyber Security” at P D A College of Engineering, Kalaburagi 14th to 18th March ,2019
16	TEQIP Sponsored one week FDP on “Geometric Dimensioning & Tolerance (GD&T)” at P D A College of Engineering, Kalaburagi 25th to 30th April ,2018
17	AICTE Sponsored Two week FDP on “Finite Element Methods and Stress Analysis” at Cambridge Institute of Technology, Bengaluru 22th January to 03rd February ,2018
18	AICTE Sponsored Two week FDP on “Recent Development and Challenges in Materials and Manufacturing Process” at BIT, Bengaluru 01th to 13th January ,2018
19	QIP Sponsored Two week STTP on “Applied Optimal Control and State Estimation” at Indian Institute of Science , Bangalore 08th to 19th May ,2017
20	QIP Sponsored one week STTP on “Photovoltaics and Applications to Smart Grid” at Indian Institute of Science , Bangalore 18th to 22th January ,2016

**Special Lectures
Presented**

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**Role &
Responsibilities**

01	Dean charge of Administrative activities of EST-I and EST-II
02	TEQIP II & III MIS Coordinator
03	Departmental Training and Placement Coordinator
04	Departmental NBA Coordinator
05	Coordinator of AICTE 6th pays fitment preparation.
06	BOS Member
07	BOE Member
08	BOS Member of Sharnbasva University Kalaburagi
09	Coordinator of AICTE 7th pays fitment preparation.
10	Departmental Coordinator of cultural activities of nirvana (nirman), annual College techno – cultural fest.
11	Member of Preparation of rank list 2020.
12	Member of Discipline Team 2018-19

13	Screening committee (scrutinize and prepare eligibility of promotions) member
14	Coordinator of verification of original documents of SC/ST Backlog posts 2019
15	Nodal officer of SSP(State Scholarship Portal) 2019-20
16	Departmental Time Table Coordinator.