

CHANDRA PRASAD B S

Assistant Professor

Mechanical Engineering

Sri Venkateshwara College of Engineering,

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Sl. No	Particulars	Details		
		Degree	University	Specialization
1	Educational Qualification	B.E.	VTU	Mechanical Engineering
		M. Tech	VTU	Thermal Power Engineering
		Ph.D.	NA	
2	DOB	10 MARCH 1989		
3	Work Experience	Teaching	10 Years	
		Research	4 Years	
		Industry	Nil	
		Others	Nil	
4	Area of Interest	Alternate Fuels, Fuel Additives, Optimization Techniques, Waste Management Techniques.		
5	Subjects Taught	UG	Basic Thermodynamics, Applied Thermodynamics, Heat and Mass Transfer, Operation Research, Fluid Mechanics, Elements of Mechanical Engineering, Management & Engineering Economics.	
		PG	Advanced Heat Transfer, Design of Heat Transfer Equipment's for Thermal Power Plants.	
6	Project Guidance	UG	15	
		PG	2	

7	Awards	<ul style="list-style-type: none"> ➤ Received best paper award for paper titled “Characterisation of Biodiesel from Watermelon Seed Oil and Optimization of Reaction Parameters for Maximizing the Yield” at 10th Annual KSTA Conference on Science & Technology for future of humanity organized at REVA University 18th -19th Jan 2018. ➤ Received best paper award for paper titled “Optimization of Reaction Parameters of Spent Coffee Oil Biodiesel Production and Performance Test on a Diesel Engine” at 11th Science and Technology Academy Conference organized by KSTA in association with NMKRV College for women, 1st -2nd Feb 2019, NMKRV College, Bengaluru. ➤ Received best paper award for paper titled “Development and Characterization of Biodiesel from Spent Coffee Oil and Performance Test on a Diesel Engine” at national Conference on Biofuel: Research and Innovation organized by BEC, Bagalkot in the eve of world Bio-Fuel day celebration on 26th August 2020. ➤ Received Prestigious “Best Project Award ” from KSCST with a cash reward of 10,000/-. 																	
8	Patents Applied	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Title of the Innovation</th> <th style="width: 15%;">Date of Filing</th> <th style="width: 20%;">Patent Number</th> <th style="width: 35%;">Application Status</th> </tr> </thead> <tbody> <tr> <td>Apparatus and Method for Producing Biodiesel Fuel</td> <td>01-08-2020</td> <td>202041033065 A</td> <td>Published in Patent Journal- 34/2020</td> </tr> <tr> <td>Development of Air Freshner Card using Fibrous Agro Waste</td> <td>31-12-2019</td> <td>201941054588</td> <td>Published in Patent Journal-04/2020</td> </tr> <tr> <td>Design, development and fabrication of pyrolysis reactor to convert waste into sustainable liquid fuel.</td> <td>31-12-2019</td> <td>201941054587 A</td> <td>Published in Patent Journal-03/2020</td> </tr> </tbody> </table>	Title of the Innovation	Date of Filing	Patent Number	Application Status	Apparatus and Method for Producing Biodiesel Fuel	01-08-2020	202041033065 A	Published in Patent Journal- 34/2020	Development of Air Freshner Card using Fibrous Agro Waste	31-12-2019	201941054588	Published in Patent Journal-04/2020	Design, development and fabrication of pyrolysis reactor to convert waste into sustainable liquid fuel.	31-12-2019	201941054587 A	Published in Patent Journal-03/2020	
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10	Grants Received	Rs.7,20,000/- is sponsored by Er. Surya Prakash, Kuwait Oil Company for the work on “Design and Development of Vacuum Pyrolysis Plant to Process Various Agricultural and Agro-Industrial Biomass to Demonstrate Its Technical and Economical Feasibility”																	
11	Guest Lectures	<p>Delivered a Lecture on “ Fundamentals of Heat Transfer” at Sha-Shib College of Engineering in the AY 2017-18</p> <p>Delivered a Lecture on “ Fundamentals of Basic Thermodynamics” at Achutha College of Engineering in the AY 2016-17</p>																	

		Delivered a Lecture on “ Fundamentals of Basic Thermodynamics” at Sri Revana Siddeshwara Institute of Technology in the AY 2015-16			
12	Workshops Organized/Attended	<ul style="list-style-type: none"> ➤ Attended 3 days’ workshop on “AutoCAD as a tool for Mechanical Engineers- hands on experience”, SVCE, Bengaluru between 4th & 6th November 2017. ➤ Attended one day workshop on “Advancement in Mechanical Science”, MSCE, Bengaluru between 24th December 2016. ➤ Attended Three day Workshop on “Rapid Prototyping and 3D Printing Technology” organized by MED, SVCE in association with Debilian Technologies & AAM India Pvt Ltd, 13th to 15th October 2017, SVCE, BENGALURU 			
13	Professional Body Membership	IEI, ISTE, IAENG			
14	Responsibilities	<ul style="list-style-type: none"> • Department NAAC COORDINATOR • Department ARIIA & NIRF COORDINATOR • Department Budget Coordinator 			
15	Contact Number	9535235108			
16	Email-Id	chandradas.bs_me@svceengg.edu.in			
17	Portal/Blog				
18	Funds Received for Research / Events	Sl.	Title of the Project	Funding Agency	Amount Funded
		1	Design and Fabrication of Pyrolysis System	KSCST	6,000/-
		2	“Study on Effect of Addition of Cobalt Oxide Nano Particles on Performance and Emission of Diesel Engine fueled with Simarouba Biodiesel blends”.	KSBDB	13,000/-
		3	Optimization of reaction parameters for watermelon biodiesel production using DOE & study of effect of addition of nanoparticles on a diesel engine fueled with watermelon biodiesel blends.	KSBDB	7000/-
		4	Studies on effect of injection pressure and	KSBDB	9000/-

			injection timing on performance and emissions of a 4s single cylinder diesel engine fueled with spent coffee powder biodiesel blends.		
		6	Optimization of engine parameters to maximize the fuel economy of a CI engine fuelled with tamarind seed biodiesel	9000	KSBDB
		7	Design and Fabrication of a Reactor to Convert Municipal Solid Waste to Fuel	VTU	5000/-
		8	Production of Cardanol From Cashew Shell oil and Study of Effect of Cardanol as Fuel Additive in Simarouba Biodiesel Fuelled Engine.	VTU	5000/-
		9	Value Addition to Bio-Fuel by-products	KSCST	6500
		10	PMS cramp relieving belt for women	KSCST	6500
		11	Artificial Intelligence Based Assistance Device to Guide Blind People	KSCST	6000