


FACULTY PROFILE

Name	: Dr Devanand D Chillal	
Designation	: Associate Professor	
Department	: Automobile Engineering	
Employee ID	: TAU005	
E mail ID (College official ID), (Personal mail ID)	: ddcau@becbgk.edu ddchillal@gmail.com	
Contact details	: B Mahaveer Road, Near Water Tank, Bagalkot 597101	
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Google Scholar ID	: ucmbQaYAAAAJ&hl	
Qualification	: B. E. (Mech), M. Tech. (Adv. Mfg. Engg.), Ph. D. (Thermal Engineering, Heat Exchangers, Automotive Exhaust Heat Recovery)	
Professional Experience		
Teaching experience	: 27 years	
Industry experience		
Administrative Responsibilities	: <ol style="list-style-type: none"> 1. Assistant Placement Officer BEC, Bagalkot 2000 to 2005 2. Deputy Chief , VTU Valuation Center BEC, Bagalkot 2011 3. Co-ordinator, VTU Valuation Center BEC, Bagalkot 2010-11 4. BOE coordinator BEC, Bagalkot 2012-13 to 2014- 15 5. Project Coordinator BEC, Bagalkot 2011-12 to 2013- 14 6. Co-ordinator , Valuation center BEC, Bagalkot 2012-13, 2021 to till date 7. SAE Coordinator BEC-SAE collegiate club 2011 to till date 8. Co-ordinator , Confidential Section, BEC , 2016, 2017-2021 	
Teaching	: Subjects Taught: <ol style="list-style-type: none"> 1. CAD/CAM/CIM 2. Mechanical Vibrations 3. Heat Transfer 4. Thermodynamics 5. Vehicle Dynamics 6. Engineering Economics 	

		<ul style="list-style-type: none"> 7. Industrial Organization and Management 8. Fluid Power Systems 9. Automotive electrical systems 10. Electric Vehicles 11. Finite Element Method 12. Computer Integrated Manufacturing(PG) 13. Robotics (PG) 14. Tool Design (PG)
No. of Projects Guided		
	UG	: 35
	PG	: 10
Research Interest Area	:	<ul style="list-style-type: none"> 1. Thermal Engineering, Heat Exchangers, Heat/Fluid Flow. 2. CAE in Automotive Engineering.
Journals (with citations)	:	<ul style="list-style-type: none"> 1. Heat transfer rates in hot shell - cold tube inclined baffled small shell and tube heat exchanger using CFD and experimental approach", <i>Journal of Engineering Research, Vol 9, No 4B, Dec 2021, p. 347-358</i> 2. "Comparison of Heat Transfer rates for Water and Ethylene Glycol mixtures for diesel engine exhaust gas heat recovery using shell and tube heat exchanger", <i>Journal of Engineering Research, Online first article, DOI:36909/jer.13341.</i> 3. "Experimental Investigation of Influence of Piston Pin Offset on Reduction of Piston Slap Noise", <i>Journal of Failure Analysis and Prevention, Vol 21, 2021, p. 1195-1202.</i> 4. "Study the effect of inclined baffles on shell side liquid flow pressure variation for a small shell and tube heat exchanger with hot tube side fluid flow using CFD approach". <i>International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, Issue 2, Apr 2018, ISSN (P): 2249-6890; ISSN (E): 2249-8001, p. 1313-1320.</i> 5. "Study the effect of inclined baffles on heat duty for a small shell and tube heat exchanger with hot tube side fluid flow using CFD approach". <i>International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), Vol. 8, Issue 2, Apr 2018, ISSN (P): 2249-6890; ISSN (E): 2249-8001, p. 1331-1338.</i> 6. "Effect of shell side heat transfer rate for variation in baffle spacing in tema e-type shell and tube heat exchanger using CFD technique". <i>Asia Pacific Journal of Research Vol 1, Issue XLVII, January 2017, ISSN (Print), 2320-5504, p.80-89.</i> 7. "Effects on heat transfer rate for shell side in TEMA E-type shell and tube heat exchangers due to variation in the baffle cut percentage using CFD software". <i>International Journal of World Research, Vol: 1 Issue XXXVII, January 2017 Print ISSN: 2347-937X ,p.39-46</i> 8. "Study and Comparison of Tribological wear behavior characteristics of Titanium dioxide coated Mild steel", <i>International Journal for Research in Applied science and Engineering technology (IJRASET),Vol:5,Issue VI, June 2017, ISSN:2321-9653, p.1604-1609</i>

Conferences	:	<ol style="list-style-type: none"> 1. Impact of bagasse parameter on steam generation”, Citi-coms 2007, International conference on modelling and simulation, Coimbatore Institute of Technology, Coimbatore, 27th to 29th august 2007. 2. “Thermally Non Distortible Platforms for Satellite applications using CFRP”, proceedings of NMD-ATM conference, Nov 2005, IITM, Chennai. 3. “Computer Aided Capacity Planning for hospital Beds” Proceedings of National. Conference on Recent trends in CAD/CAM July 2004, Bidar, India. 4. “Performance analysis of flexible coupling for Misalignment using FEM” Proceedings of National Conference on Recent trends in CAD/CAM, July 2004, Bidar, India. 5. “Testing of low cost Generator set fuel economy at lean burning” Proceedings of 4th Asian Pacific International Symposium on Combustion and Energy Utilisation December 1997, Bangkok, Thailand.
Invited Talks	:	<ol style="list-style-type: none"> 1. “Polymers and Plastics in Automotives” AICTE-ISTE sponsored Short Term training programme on “Futuristic Materials” August 2003, BEC Bagalkot 2. “Robotics and Applications”, BVVS Polytechnic, Bagalkot. 3. “CAD applications in Automotive”, BVVS Polytechnic
Events Organized	:	<ol style="list-style-type: none"> 1. Coordinated activities for Faculty Development Programmes and organised SDP as coordinator under TEQIP.
Conferences/ Symposiums/ Workshops/ Training Programs Attended	:	<ol style="list-style-type: none"> 1. “Theoretical and Computational Fluid Dynamics” IITM, Chennai 10-03-2012 to 14-03- 2012 1 Week . 2. Curriculum development in Technical and Vocational Education through Quality Function Deployment(QFD) Technique” BVVS, Polytechnic, Bagalkot 28-05-2013 to 07-06- 2013 2 weeks 3. “Effective Leadership for Excellence” BEC, Bagalkot 06-02-2014 to 07-02- 2014, 2 days 4. “Management Capacity Enhancement Programme” IIMB, Bengaluru 23-01-2017 to 25-01- 2017 3 Days 5. “Energy Efficiency and Management” IIT, Mumbai 17-02-2017 to 19-02- 2017 3 days
Awards and Honors	:	<i>Topper for “Automation in Manufacturing” NPTEL course with Gold Elite Certification.</i>

NPTEL COURSES COMPLETED	1. Automation in Manufacturing
	2. Mechatronics
	3. Introduction to Robotics
	4. Electric Vehicles-I