



**Government Engineering College, Kozhikode**

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**DR PRADEEP VALIYAPARAMBIL**

**General Details**

Name	DR PRADEEP VALIYAPARAMBIL	Gender	Male
Staff Id	KTU-F9212	Joining Date	20/06/2002
Date of Birth	27/05/1973	Blood Group	O+
Department	Mechanical Engineering	Category	General
Designation	Professor	Institution Last Worked	GEC Kozhikode
Contract Type	Permanent		

**Personal Details**

Father Name	Bhageeradhan V	Marital Status	Married
Mother Name	Panchali C	Spouse Name	Divya T G
Nationality	Indian		

**Contact Details**

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Present Address	Sivadam Palakkada Canal road Edakkad Kozhikode Kerala Kozhikode 673005	Office Address	Professor Dept. of Mechanical Engineering Government Engineering College Kozhikode , Kozhikode 6730
Permanent Address	Sivadam Palakkada Canal road Edakkad Kozhikode Kerala Kozhikode 673005		

Qualifications						
S.No	Degree	Discipline / Stream	University / Institution	Percentage / CGPA	Year of Passing	Special Remarks
1	Ph.D. (Doctorate)	Mechanical Engineering - Thermal Engineering- IC Engines	IIT Madras		2016	

Experiences						
S.No	Description	Designation	From Date	To Date	Nature of Employment Pay	Nature of Duty
1	Projects & Development India Ltd. Govt. of India Undertaking - Under the Department of Fertilizers - -- Noida U.P – 2.5 years: - Regular / Permanent	Asst. Project Engineer (Piping)	1995-03-30	1997-08-27		Asst.Project Engineer - Piping Design
2	MES College of Engineering Kuttippuram, Malappuram 1997-2002 - 4.5 years. Regular / Permanent	Lecturer in Mechanical Engineering -	1997-09-01	2002-06-19		Teaching
3	Lecturer & Assistant Professor in Mechanical Engineering at - Government Engineering College Kozhikode	Assistant Professor	2002-06-20	2012-06-19		Teaching
4	Associate professor in Mechanical engineering	Associate Professor	2012-06-20	2016-02-28		Teaching
5	Professor in Mechanical Engineering	Professor	2016-02-29	2021-10-22		Teaching

Publications				
S.No	Description	Category	Academic Year	Period
1	Visakh C, Vinish L V and Pradeep, V (2020) Development of a Solar Energy Based Desalination System Using a Hyperboloid Concentrator. Materials today Proceedings (Elsevier Sc.)	International Journal papers with impact factor<1.5	2020-2021	In this college
2	Nimya Manoharan T and Pradeep. V (2019) Use of emulsified fuel for emission abatement in diesel engine. Energy Engineering e. Journal (SSRN-Elsevier ) Vol. 2, No.73: Aug 27, 2019. & Proceedings of the International Conference ICSEE 2019 at Govt. College of Engineering Kannur	International Journal papers with impact factor<1.5	2018-19	In this college
3	Shamil B O, Akshay B P, Shameem K, Sharun K K and Pradeep. V (2019) Design and Development of a low cost SCR system for NOx reduction in a diesel engine. Energy policy & economics e. Journal (SSRN-Elsevier ) Vol. 2, No.124: Sep 11, 2019 & Proceedings of the International Conference ICSEE 2019 at Govt. College of Engineering Kannur	International Journal papers with impact factor<1.5	2018-19	In this college
4	Vinish Lazzar Vincent and Pradeep, V (2018) Design & Development of a Solar Energy Based Desalination System Fully Based on Solar energy. First International Conference on energy and environment global challenges ICEE 2018 March 2018 NIT Calicut, ICEE – 2018-225.	International Conferences	2018-19	In this college
5	Prabin T V, Vinish Lazzar Vincent, Midhun Mohan V and Pradeep, V (2016) Enhancement of Heat Transfer in a Solar Parabolic Dish Concentrator - An Experimental and CFD Study. National Conference on Futuristic Advancements in Mechanical Engineering FAME 2K16 August 2016, College of Engineering Thalassery, FAME 2k16 - 73.	National Conferences	2016-17	In this college
6	Pradeep, V and A. Ramesh. (2015) A Novel twin injection strategy for direct cylinder barrel injection of LPG in a 2S-SI engine. FUEL (2015) Volume 162C, 2015, Pages 128-137	International Journal Papers with impact factor >2.5	2015-16	In this college
7	Pradeep, V., S. Bakshi, and A. Ramesh (2015) Direct injection of gaseous LPG in a 2S-SI engine for improved performance. Applied Thermal Engineering Vol 89 (2015) pp 738-747	International Journal Papers with impact factor >2.5	2015-16	In this college
8	Twin-injector system for 2S-SI engines PATENT application No. 5296/CHE/2014 - published 2016	Patents	2015-16	Outside this college
9	Pradeep, V., S. Bakshi, and A. Ramesh (2014). Scavenging port based injection strategies for an LPG fuelled 2S-SI engine. Applied Thermal Engineering Vol 67 (2014) pp 80-88.	International Journal Papers with impact factor >2.5	2014-15	In this college
10	Nidhin A and Pradeep, V (2014) Parametric studies on enhancing heat interaction between HTF and PCM in direct charging – a CFD analysis. International Conference on energy and sustainability in engineering systems. ICESSES 2014 December 2014 CIT Coimbatore ICESSES -2014	International Conferences	2014-15	In this college

11	Pradeep, V et al. (2013). Boost port injection of LPG in a 2S-SI engine for reduction in HC emissions, Society of Automotive Engineers (SAE) Technical paper, 2013-01-0584, SAE World congress 2013, Detroit, USA.	International Journal papers with impact factor<1.5	2013-14	Outside this college
12	Air Assisted Direct Cylinder Barrel Injection of Gasoline in a Two-Stroke S.I. Engine SAE International Technical Paper 2013-01-0583 Ciju Paul, Pradeep V, A Ramesh	International Journal papers with impact factor<1.5	2013-14	Outside this college
13	Use of HOT EGR for NOx control in a compression ignition engine fuelled with bio-diesel from Jatropa oil. V. Pradeep, R.P. Sharma Renewable Energy 32 (2007) 1136–1154	International Journal Papers with impact factor >2.5	2006-07	In this college
14	Evaluation of performance, emission and combustion parameters of a CI engine fuelled with Bio-Diesel from rubber seed oil & its blends SAE Technical Paper 2005-26-353	International Conferences	2005-06	Outside this college

Programs Coordinated			
S.No	Description	Category	Academic Year
1	Coordinator - TEQIP II sponsored FDP on Thermal & Structural analysis a simulation approach, 2016	STTP Co-ord	2016-17
2	Coordinator - Workshop on personality development in association with Calicut Management Association. 2008	Seminar Co-ord	2008-09
3	Coordinator: National Technology Day Celebrations - Seminars - KSCSTE sponsored - 2008	Seminar Co-ord	2008-09
4	Coordinator - for Rajiv Gandhi Akshay Urja seminars 2007	Seminar Co-ord	2007-08
5	Coordinator for Dept. of Technical Education sponsored, two weeks, STTP on Green Power, 2006	STTP Co-ord	2005-06
6	Convener: Ignition 2005 Technical festival organized by ME Dept.	Other Programs	2005-06

Programs Attended				
S.No	Description	Category	Academic Year	Period
1	CFD for Solving Engineering Problems - online STTP - at Malaviya NIT Jaipur - AICTE sponsored 7.8.2020 to 11.8.2020	STTP	2020-2021	In this college
2	Air Delivery Systems & Indoor Environment Quality- at IIT Madras - AICTE sponsored - 02.3.2020 to 07.3.2020	STTP	2019-2020	In this college
3	Thermal Energy Storage for Effective Energy Management- at IIT Kanpur - AICTE sponsored- 10.2.2020 to 14.2.2020	STTP	2019-2020	In this college
4	Solar Energy Systems - at IISc Bangalore - AICTE sponsored- 01.7.2019 to 05.7.2019	STTP	2019-2020	In this college
5	Bio-Energy: Technologies & Transitions - online STTP- NIT Kurukshetra & Government Engg. College Bikaner - TEQIP III sponsored - 13.5.2020 - 17. 5. 2020:	STTP	2019-2020	In this college
6	Green energy, environment, engg.& technology for sustainable future - at CUSAT Kochi - TEQIP sponsored - 10.12.2018 to 14.12.2018	STTP	2018-19	In this college
7	Energy Management - at IIT Bombay - TEQIP II sponsored 21.11.2016 to 25.11.2016	STTP	2016-17	In this college
8	Learning improvement techniques - at IIT Madras- TEQIP II - 18.8.2016 to 20.8.2016	STTP	2016-17	In this college
9	Robotics & Control - at NIT Calicut - TEQIP II sponsored 23.5.2016 to 27.5.2016	STTP	2016-17	In this college
10	NBA accreditation - ESCI - Hyderabad - ESCI / GEC Kozhikode 15.7.2015 to 18.7.2015	STTP	2015-16	In this college
11	Recent advances in automotive systems - at IIT Madras- AICTEsponsored 02.2.2015 - 06.2.2015	STTP	2014-15	In this college

Projects Guided					
S.No	Description	Academic Year	Is Funded	Funded Agency	Fund Amount
1	Low Cost SCR for Diesel engines	2018-19	Yes	TEQIP II	10000
2	Emulsified Fuels for Diesel engines	2018-19	Yes	TEQIP II	10000
3	Hyperboloid concentrator based Solar desalination	2016-17	Yes	TEQIP II	50000
4	Solar Desalination system	2015-16	Yes	TEQIP II	100000

Interactions with Outside World		
S.No	Description	Academic Year

1	Doctoral Committee Member - Department of Mechanical Engineering VIT Vellore.	2019-2020
2	Member of Advisory Committee National Conference in Mechanical Engineering NCAME 2020 - Mar Baselios College of Engg. Idukki, Kerala	2019-2020
3	Journal Reviewer - Elsevier Science, Taylor & Francis	2019-2020
4	Resource Person & Reviewer - Workshop on NBA accreditation, National & International conferences at various Engineering/ Polytechnic Colleges in Kerala	2019-2020
5	Subject Expert - District Consumer Redressal Forum (Consumer courts) - Kozhikode	2019-2020
6	Panel Member, Committee constituted by the Director of Technical Education for NBA Accreditation - Mock Assessment at Government Polytechnic College Palakkad	2018-19
7	Reviewer of Projects of KSCSTE- Govt. of Kerala	2017-18

Positions Held / Other Responsibilities			
S.No	Description	Academic Year	Period
1	Head of the Department - Mechanical Engineering	2021-22	Currently in Charge in this college
2	Institute Coordinator – NBA Accreditation –PG programs - 2019-21	2020-2021	In this college
3	Placement Officer	2020-2021	In this college
4	Manager: Centre for Continuing Education 2016-2020.	2019-2020	In this college
5	Member & ME Dept. coordinator – Institute Placement cell, since 2019	2019-2020	In this college
6	ISO internal auditor – since 2016	2019-2020	In this college
7	Faculty in charge – Heat Transfer, Thermal Engg, Laboratory - ME Dept – 2017, 2019	2019-2020	In this college
8	Faculty Coordinator – NBA Accreditation - ME Dept. UG program – 2015-17	2016-17	In this college
9	Faculty coordinator: Entrepreneurship development Cell & Technology Business Incubator, 2005-2010	2009-10	In this college

Research Interests	
S.No	Description
1	IC Engines - Performance, Emissions, Combustion. Refrigeration & Air conditioning, Heat Transfer, CFD, Solar Energy Technologies, Thermal Engineering

Achievements	
S.No	Description
1	Bhagyalakshmi-Krishnaiyengar award for the best M.Tech Project at IIT Madras 2005
2	PATENT obtained - 2021- Government of India - on Twin Injector System on 2S-SI Engine - No. 364625 - 13-4-2021
3	Presented Paper on Two Stroke SI engine research at SAE World Congress - Detroit, Michigan, USA April 2013

Patents					
S.No	Patent No.	Title	Description	During Academic Year	Patent Status
1	364625	Twin Injector system for 2S-SI engines	Twin injector system for 2S-SI engines	2020-2021	Granted