



Government Engineering College Kozhikode

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DR. JESSEELA S

General Details

Name	DR. JESSEELA S	Gender	Female
Staff Id	KTU-F11023	Joining Date	10/07/2003
Date of Birth	30/05/1969	Blood Group	AB-
Department	Mechanical Engineering	Category	General
Designation	Professor	Institution Last Worked	Govt.Engineering College Kozhikode
Contract Type	Permanent		

Personal Details

Father Name	Muhammed Kunju	Marital Status	Married
Mother Name	Sainaba	Spouse Name	Hamza K
Nationality	Indian		

Contact Details

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Present Address	AASHIYANA PERIYANGATPARAMB PUTHIYANGADI KOZHICKODE 673021	Office Address	Professor Mechanical Engineering Department Govt. Engineering College Kozhikode
Permanent Address	AASHIYANA PERIYANGATPARAMB PUTHIYANGADI KOZHICKODE 673021		

Qualifications				
S.No	Degree	Discipline / Stream	University / Institution	Year of Passing
1	Ph.D. (Doctorate)	Mechanical Engineering	NIT Calicut	2016
2	ME/ M.Tech./ MS (Engg/ Sciences)	Thermal Sciences	REC Calicut	1994
3	BE/ B.Tech (Engineering)	Mechanical Engineering	Govt.Engineering College Trissur	1990

Publications				
S.No	Description	Category	Academic Year	Period
1	Jesseela S and Sobhan C B: Numerical Modeling of Annular flow with Phase Change in Microchannel. International Journal of Thermal Sciences, Elsevier, Vol. 89, 2015, pp. 87-99.	International Journal papers with impact factor 2-2.5	2015-16	In this college
2	Jesseela S, Sobhan C B and Peterson G P: Optimum Design of Microchannel Heat Sinks for Annular Flow with Phase Change, International Journal of Enhanced Heat Transfer, Begell House, ol.21 Nos.4-5,2014,pp.373-395	International Journal papers with impact factor<1.5	2014-15	In this college
3	Jesseela S and Sobhan C B: Molecular Dynamics Simulation of Interfacial Phenomena in Two-Phase Flow: A Review, International Journal of Micro-Nano Scale Transport, Multi- Science Publishing, Vol. 1, 2010, pp. 219-243.	International Journal papers with impact factor<1.5	2010-11	In this college
4	Ajith Krishnan R and Jesseela S: Experimental Investigation of Single Phase Heat Transfer and Pressure Drop in a Rectangular Minichannel with Lower Aspect Ratio, IEEE 2nd International Conference on Knowledge Collaboration in Engineering, March 27- 28, 2015, 978-1-4799-8619-4/15 IEEE.	International Conferences	2014-15	In this college
5	Ajith Krishnan R and Jesseela S Visualization of Flow Patterns during Flow Boiling in a Rectangular Minichannel , 2nd International Conference on Emerging Trends in Technology and Applied Sciences (ICETTAS'15), April 30th to May 2nd 2015,ISBN 978-93-84743-79-6.	International Conferences	2015-16	In this college
6	• Sajith Krishnan R, Jesseela S: Fluid Flow and Heat Transfer Analysis on Single Phase Flow Through Microchannels with Single Side Heating, Third National Conference on Emerging Trends in Engineering (NET 2015), ISBN 978-93-85477-33-1© 2015,pp. 85-89.	National Conferences	2015-16	In this college
7	• Vishnu Sankar R., Sreejith B., and Jesseela S:CFD Analysis of Savonius Wind Turbine with Guide Blades and Twisted Two Stage Rotor , The Third National Conference on Emerging Trends in Engineering (NET 2015), ISBN 978-93-85477-33-1© 2015,pp.112-116.	National Conferences	2015-16	In this college
8	• Nabeel Mahaboob M, Varghese M. Thannickal and Jesseela S: Numerical Simulation of Ion Flow Inside Ion Optics of a Gridded Ion Thruster, Proceedings of International Conference on Information Systems, Energy, Environment and Safety (ISEES 2016) ,29-30 SEPTEMBER 2016.	International Conferences	2016-17	In this college
9	• Shameer S and Jesseela.S: Fluid Flow and Heat Transfer Analysis on Single Phase flow through Microchannels using CuO nanofluid, Proceedings of International Conference on Information Systems, Energy, Environment and Safety (ISEES 2016), 29-30 SEPTEMBER 2016.	International Conferences	2016-17	In this college
10	Shameer S and Jesseela S: Fluid flow and heat transfer analysis on single phase flow through microchannels using nanofluids, Proceedings of the 1st International and 18th ISME Conference ISME 18 February 23rd – 25th, 2017, NIT Warangal, Warangal ISME-TE-143	International Conferences	2016-17	In this college
11	• Muhammed Fasil and Jesseela S Two phase flow through micro channel using nanofluids, Proceedings of the International Conference on Energy and Environment, ICSEE, July 2019	International Conferences	2019-2020	In this college
12	• Ajith Krishnan R and Jesseela S,Forced Convective Fluid Flow and Flow Boiling of Water in a Single Rectangular Microchannel with Lower Aspect Ratio, Journal of Mechanical Science and Technology, springer,under review.	International Journal papers with impact factor<1.5	2020-2021	In this college

Programs Coordinated			
S.No	Description	Category	Academic Year

1	Co-ordinated the 3rd national conference (NET 15) on Emerging Trends in Engineering, Oct.30-31st, 2015	Conference Co-ord	2015-16
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Programs Attended				
S.No	Description	Category	Academic Year	Period
1	Optimization using Natural Algorithm at Govt.Engg.College Kozhikode	STTP	2019-2020	In this college
2	Soft Skills for Interpersonal Effectiveness: Attitude and Skill Enhancement Lab at IIM Kozhikode	STTP	2016-17	In this college
3	Faculty Development Program at Teaching Learning Centre, IIT, Madras	STTP	2016-17	In this college
4	FDP on Robotics and Control at NIT Calicut (TEQIP sponsored)	STTP	2015-16	In this college
5	Indo-German Workshop on Modeling and Measuring Techniques for Microscale Flows (IGMF) at IIT Madras	STTP	2014-15	In this college
6	Nanoscale Science and Technology at NIT Calicut	STTP	2014-15	In this college
7	Basics of Computational Fluid Dynamics at FCRI, Palakkad	STTP	2013-14	In this college
8	Advanced Research for High Tech R & D at Government Engineering College, Kozhikode	STTP	2013-14	In this college

Research Activities					
S.No	Description	Academic Year	Is Funded	Funded Agency	Fund Amount
1	Principal Investigator of the project on 'Measurement of liquid film thickness during flow boiling in rectangular mini/micro channels' funded by TEQIP II	2012-13	Yes	TEQIP II	2,00,000
2	Principal Investigator of the project on 'Fluid flow and heat transfer analysis on flow boiling in mini/micro channel coated with carbon nanotubes' funded by TEQIP II.	2013-14	Yes	TEQIP-II	150,000
3	• Principal investigator of the project on "Two phase flow through micro channel using nanofluids"	2018-19	Yes	TEQIP II	10,000
4	• Principal investigator of the project on "Exergy Analysis of Single phase flow in Microchannel with Nanofluid "	2019-2020	Yes	TEQIP II	10,000

Interactions with Outside World		
S.No	Description	Academic Year
1	Board of Studies Member, University of Calicut. 2014-2020	2014-15
2	Camp Officer, KTU, 2018-20	2018-19
3	Question Paper Setter B.Tech and M.Tech, KTU	2018-19
4	PSC question paper setter 2019	2019-2020

Positions Held / Other Responsibilities			
S.No	Description	Academic Year	Period
1	PG Coordinator (KTU) 2015-2017	2015-16	In this college
2	Time table coordinator (College level) 2019 onwards	2019-2020	Currently in Charge in this college
3	Camp Officer, KTU, 2018-19 onwards	2018-19	Currently in Charge in this college