

FACULTY-PROFILE



Name : **Dr. DHIRAVIDAMANI P**

Date of Birth : 07.05.1975

Highest Qualification : Ph.D

Academic Performance :

Qualification	SSLC	HSC/PUC	U.G.	P.G.	Ph.D.
Month and Year of Passing	MARCH 1990	MARCH 1992	MAY1998	APRIL 2006	APRIL 2018
Class	I	I	I	I	I

Date of Joining :15.07.2013

Status as on date of Joining :

ASST.PROF Scale of pay as on date of Joining

:33,595/-

Present Status : PROFESSOR

Scale of pay as on date : 60,300/-

Number of promotions : 2

Since date of joining

Experience :23YEARS

Achievements

Faculty Development Program	R&D	No. of Publications	Teaching Award	Books / Monograph	Conf./ Seminars Attended	Extra Curricular Activities
7	-	12	11	1	35	-

Signature

DETAILED BIO DATA

1. **Name** : Dr. DHIRAVIDAMANI P
2. **Department** : MECHANICAL ENGINEERING
3. **Date of Birth** : 07.05.1975
4. **Present Designation** : PROFESSOR

5. Educational Qualification

<i>Degree</i>	<i>Institute</i>	<i>Specialization</i>	<i>Name of the Degree</i>	<i>Year</i>	<i>Division</i>
UG	KONGU ENGINEERING COLLEGE, BHARATHIAR UNIVERSITY	MECHANICAL	B.E.,	1998	I Class
PG	PSG COLLEGE OF TECHNOLOGY, ANNA UNIVERSITY	INDUSTRIAL ENGINEERING	M.E.,	2006	I Class
Ph.D	ANNA UNIVERSITY	MECHANICAL	Ph.D.,	2018	I Class

6. Employment Record (from present to past)

<i>Organization</i>	<i>Period</i>		<i>Designation</i>
	<i>From</i>	<i>To</i>	
K.S.R.COLLEGE OF ENGINEERING, TIRUCHENGODE.	01.05.2018	-	PROFESSOR
K.S.R.COLLEGE OF ENGINEERING, TIRUCHENGODE.	01.05.2015	30.04.2018	ASSOCIATE PROFESSOR
K.S.R.COLLEGE OF ENGINEERING, TIRUCHENGODE.	15.07.2013	30.04.2015	ASSISTANT PROFESSOR
SASURIE COLLEGE OF ENGINEERING, VIJAYAMANGALAM.	02.05.2011	17.06.2013	HEAD OF THE DEPARTMENT
NANDHA ENGINEERING COLLEGE, PERUNDURAI.	14.08.2001	12.04.2011	ASSISTANT PROFESSOR
THE KAAVERY POLYTECHNIC, MECHERI, SALEM.	10.08.2000	13.08.2001	LECTURER
LAKSHMI TOOLS PEENYA, BANGALORE	10.06.1998	17.08.2000	PRODUCTION ENGINEER

7. Memberships of Professionals / Learned Bodies / Societies

<i>S.No.</i>	<i>Name of the Professionals / Learned Bodies / Societies</i>	<i>Membership No</i>
-	-	-

8. Awards/PrizesReceived

Name of the Award	Year	Awards / Prizes received from
Performance Certificate	2001-2002	Nandha Engineering college
Certificate of Appreciation	2017-2018	KSR College of Engineering
Certificate of Excellence	2011-2012	Saurie College of Engineering
Highest Funding award (Certificate of Merit)	2014-2016	KSR College of Engineering
Highest submission of more proposal in Consultancy award (Certificate of Merit)	2014-2016	KSR College of Engineering
Highest more Completion of Consultancy award (Certificate of Merit)	2014-2016	KSR College of Engineering
Certificate of Merit	2017-2018	KSR College of Engineering
Securing Highest funded Consultancy award (Certificate of Merit)	2011-2015	KSR College of Engineering
Highest fund received for of Consultancy work(Department level) (Certificate of Merit)	2017-2018	KSR College of Engineering
Staff Proficiency	2015-2016	KSR College of Engineering

9. R&D Details

a) Research Grants Received / Submitted

S.No.	Academic Year	Agency	Title	Grant Requested	Status	Grant Received
1	2015-2016	Department of Science and Technology (DST)	Waste recovery System in an Educational Institution. (Modern Bio- gas plant)	Rs.18Lakhs	Not approved	-
2	2015-2016	University Grants commission (UGC)	Artificial Intelligent based Solar vehicle.	Rs.5,00,000/-	Not approved	-
3	2016-2017	Anna University (FDTP)	Thermal Engineering	-	Not approved	-
4	2016-2017	AICTE	Green Technology	Rs 65,000/-	Not approved	-
5	2018-2019	SERB	"impact on green technology for reducing e-waste on environment and human health"	Rs45,500/-	Not approved	-
6	2017-2018	DRDO	"Investigation of Mechanical Properties on TIG welding with Stainless Steel weldments"	6,60,000/-	Not approved	-
7	2017-2018	AICTE	Green Vehicles	1,15,000/-	Not approved	-

8	2017-2018	ICMR	Awareness programmer on Dengue in Rural area people.	55,000/-	Not approved	-
9	2020-2021	TNSCST	Introductory and Hands on training of Organic farming (Out reach Programme)	61,500/-	Not approved	-
10	2022-2023	TNSCST	Design and Development of a Small thread mill bike	13,500/-	Processing	-

b) PhD Registration Details

Year of Registration	Topic	Name of the Supervisor	Reference No	Name of the University
2010	Investigation and Development of Lean Audit System for Value Addition while Implementing Lean Tools In Engineering Industries	Dr.A.S.Ramkumar	71030321023	Anna University

c. Grants Received

I received Rs 7 Lakhs from AICTE for conducting Two Weeks Staff Development Program and acted as a Co-ordinator when I was working in Nandha Engineering College.

I received Rs 65,000 from AICTE for conducting Two Days National level Seminar on 'Green Engine' and acted as a Co-ordinator when I was working in Nandha Engineering College.

I received Rs 1.5 Lakhs from MHRD for conducting Two Weeks Staff Development Program When I was working in Sasurie College of Engineering.

d. No. of consultancy work completed / Amount received: 09

Duration in years	Organization	Title	Total Amount Received
2022-2023	ABV Industries, 205, Bhavani Road Perundurai –52.	Design and Manufacturing of Textile components	Rs. 1,02,242/-
2022-2023	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Machining of Textile Parts (Job work)	Rs. 1,00,500/-
2021-2022	ABV Industries, 205, Bhavani Road Perundurai –52.	Design and Fabrication of Fixture	Rs. 1,00,110/-

2020-2021	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Manufacturing of Auto Ancillary parts.	Rs.1,03,520/-
2019-2020	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Fabrication of Panel Board	Rs.1,06,000/-
2018-2019	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Manufacturing of Auto Ancillary parts.	Rs.1,01,150/-
2017-2018	GRP Industries, Karur Main Road, Solar Erode 638 002	Design and Fabrication of Panel board.	1,00,600/--
2016-2017	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Manufacturing of Auto Ancillary parts.	1,02,240/--
2014-2015	Thirumurugan Industries, 186-A, Sathy Road, Erode 638 003	Design and Manufacturing of Auto Ancillary parts-	1,09,031.00
2014-2015	ABV Industries, 205, Bhavani Road Perundurai – 638 052	Modeling and Analysis of Steering Knuckle & Fixture Design	1,02,540.00
2013-2014	Vengateswara Workshop, 31, Bhavani Road Perundurai – 638 052	Design of Modern three axis pneumatic trailer	1,01,200.00

10. Publications

i) Publications in Journals

Sl. No	Name of the Author	Title of the Paper	Journal Name	Vol, No & pages	Year of Publication
1	Dr. P. Dhiravidamani and R. Vigneshvaran	Meeting the Challenges of Safety Management in Wind Energy Industry	International Journal for Research in Applied Science & Engineering Technology (IJRASET)	Volume 10 Issue V	May 2022

2	Dr. P. Dhiravidamani, A.V. Manoj, M. Mohan Kumar S. Naveenkumar, V. Sree	Pneumatic Power Steering System	International Journal of Engineering Science and Computing	Volume 12 Issue No.5	May 2022
3	Dr. P. Dhiravidamani and K. Gokul Raj	An over view of Hazop on Handling and Storage of LPG and Rust Preventive oil in heavy manufacuring industry	International Journal of Creative Research thoughts	Volume 10 Issue No.7	July 2022
4	Dr.P.Dhiravidamani P.Mathankumar S.Mohankumar P.Nanthagopal C.Nareshkumar	Fabrication of vehicle accident avoiding system in Bumber	International Journal of Research & Development in Technology	Vol. 13, Issue 2, pg.no. 66-73	2020
5	Dr.P.Dhiravidamani P.Rajendran S.Muthumanikandan M.Potharaja S.Ragunath S.Rajkumar	Compressed Air Engine in Bike	International Journal of Research & Development in Technology	Vol. 13, Issue 2, pg.no. 74-75	2020
6	R.Senthilkumar P.Dhiravidamani A.S.Ramkumar M.Chandrasekaran	Particle Swaram Optimization To Solve Level Schedules In Mixed Model Assembly Line	Tierarztliche Praxis	Vol. 40, pg.no. 1234-1256	2020
7	Dr.P.Dhiravidamani, J.Durairaj, G.Vasanthasekaran	Safety Performance Measurement (Going Beyond Lost Time Injuries)	Journal of Industrial Engineering and Its Applications	Vol.3, Issue 3, pg.no. 1-6.	2018
8	P.Dhiravidamani N.Muthu Kum ar R.Dhineshkumar A.T.Naveenkumar	Design and Analysis of Abrasive Machine for Surface Rust and Dust Removal.	International Journal of Innovative Technology and Exploring Engineering.	Vol.7, Issue 7, Pg.no. 10-12.	2018
9	P.Dhiravidamani A.S.Ramkumar S.G.Ponnambalam Nachiappan Subramanian	Implementation of lean manufacturing and lean audit system in an auto parts manufacturing industry-an industrial case study	International Journal of Computer Integrated Manufacturing.	Pg.no.1-16	2017
10	P.Dhiravidamani and A.S.Ramkumar	Application of Lean Tools for Reduction of Cycle Time in Rubber Molding Process Cell- An Industrial Case Study	International journal of Advanced Engineering Technology	Vol.7, Issue 2, pg.no. 967-977.	2016

11	P.Dhiravidamani and A.S.Ramkumar	Sustainability of Green Environment Through Lean tool Implementation in Auto Parts manufacturing Industry- An Industrial case study.	Asian journal of research in Social sciences and Humanities	Vol.6, Issue 7, pg.no. 2069-2077	2016
12	K.Vignesh and P.Dhiravidamani	Designing SOP for high pressure die casting by risk assessment technique.	International Journal Of Science, Engineering and Technology Research.	Vol.4, Issue 3, pg.no. 488-491.	2015
13	Stalin.V and P.Dhiravidamani	Ergonomics and Material Handling in CNC and Fettling in Foundry.	International journal of Science Engineering and Technology Research.	Vol.3, Issue 4, pg.no. 849-851.	2014

ii) Papers Presented in International Conferences / Symposiums

Sl.No	Name of the Author	Title of the Paper	Conference Name	Proceeding pages	Date& Year
1.	Dr.P.Dhiravidamani	Re heater tube failure analysis using ANSYS	Advanced Science and Engineering research	-	April 2018
2	Dr.P.Dhiravidamani	Fabrication of Pneumatic Slotting Machine	Sustainable Materials	-	March 2019
3	Dr.P.Dhiravidamani	Investigation and Design of Lean Manufacturing cell in a foundry Division	Advances in Industrial Engineering Applications	-	January 6-8 ,2014
4	Dr.P.Dhiravidamani	Investigations on tool pin shape effect for friction welding of tube to tube plate using an external tool	Innovations in Communication, Information and Computing	-	January 9-11, 2013
5	Dr.P.Dhiravidamani	Designing SOP for high pressure DTE casting by Risk Assessment technique.	Innovative research techniques in Management, Aeronatical, Mechanical and Electrical Systems	-	12-13 February 2015

6	Dr.P.Dhiravidamani	Lean Manufacturing process Implementation in an auto parts industry	Synergistic Evolutions in Engineering	-	4-5 march 2015
7	Dr.P.Dhiravidamani	Application of Value Stream mapping in auto parts manufacturing industry	Modern, Intelligent and green manufacturing	-	11-12 Dec 2015
8	Dr.P.Dhiravidamani	TPM Implementation and Application of TPM tools in an automobile parts manufacturing industry	Applications of advanced quality methods in Engineering and technology	-	23-24 Feb 2006

iii) Papers Presented in National Conferences /Symposiums

Sl.No	Name of the Author	TitleofthePaper	ConferenceName	Proceeding pages	Date& Year
1	Dr.P.Dhiravidamani	Lean manufacturing Evaluations and Implementation in Assembly	Design, Materials, Manufacturing and Construction techniques	-	March 2016
2	Dr.P.Dhiravidamani	E- Waste Management of India	Optimization techniques in Engineering sciences and technologies	-	March 2017
3	Dr.P.Dhiravidamani	Emission control by Hydrogen in IC Engine	Optimization techniques in Engineering sciences and technologies	-	March 2017
4	Dr.P.Dhiravidamani	AGV and Fire Fighting Vehicle	Advances in Mechanical and Materials Engineering	-	March 2017
5	Dr.P.Dhiravidamani	Design and Fabrication of spring Conveyor for a CNC turning machine	Recent Advancements in Mechanical Engineering	-	March 2018
6	Dr.P.Dhiravidamani	Investigation of Modeling Flow inside an anaerobe digester by CFD technique	Computational fluid dynamics applications in Bio technology processes	-	August 2015
7	Dr.P.Dhiravidamani	Application of Lean Six concept towards quality assurance in Auto parts Manufacturing IndustrySixma	Managerial innovations and challenges in globalised economy	-	Sept 2014

iv) Publication of Books

CAD Design and Computer applications – Ero Publisher, Erode

Fluid mechanics and Fluid Power – Under printing

Strength of Materials - Under printing

The above 3 books are published for polytechnic students belongs to Mechanical, Auto and production department.

11. Courses Attended

Paper Presentation / Seminar Attended / Work shop

<i>Sl.No</i>	<i>Date</i>	<i>Type of Course(FDP/Workshop/Seminar/Conference/Symposium/anyother)</i>	<i>Topic</i>	<i>Organizedby</i>	<i>Sponsored by</i>
1	06.10.2022 - 11.10.2022 to 15.10.2022 - 19.10.2022	FDP	Robotics and Automation in Industry 4.0	ATAL Academy	AICTE, New Delhi
2	16.10.2019 to 18.10.2019	FDP	Teaching Learning process	IIT , Madras	PALS, IIT, Madras
3	22.04.2019	Short term training programme	NBA Accreditation	National Institute of technical teachers Training and Research , Kolkata	NITTTR
4	9.6.2010 to 22.6.2010	FDP	Modeling of Manufacturing Process	Gnanamani College of technology	AICTE
5	10.11.2013 to 11.11.2013	FDP	Effective teaching techniques	National Institute of technology	NIT, Trichy
6	6.7.2009 to 19.7.2009	FDP	Lab VIEW based Control System	Nandha Engineering College	AICTE
7	5.12.2016 to 14.12.2016	FDP	Thermal Engineering	SNS College of technology	Anna University
8	10.06.2010 to 11.06.2010	Seminar	Clean and Green Techniques in material processing	Kongu Engineering college	DST

9	15.02.2020	Workshop	Intellectual Property as a Strategic asset for technology transfer	K.S.Rangasamy College of Technology	MHRD
10	10.07.2019	Workshop	J-Gate – An Electronic gateway for research	KSR Engineering College	Professional Skill Development Cell
11	01.11.2018	Workshop	Outcome based Education(OBE)	KSR Engineering College	Professional Skill Development Cell
12	1.7.2011 to 2.07.2011	National Seminar	Sustainable future through Renewable energy	Kongu Engineering college	MNRE
13	21.02.2005	Workshop	Total Quality Management	PSG College of technology	IIIE
14	11.06.2010 to 12.06.2010	National Seminar	Green Engine	Nandha Engineering College	AICTE
15	29.04.2010 to 30.04.2010	National Seminar	Developments and Challenges in Automotive Tribology	Kongu Engineering college	AICTE
16	06.08.2009 to 07.08.2009	National Seminar	Swarm Robots	Kongu Engineering college	AICTE
17	30.01.2009 to 31.01.2009	National Seminar	Emphasis on Fluid power system at low cost automation for textiles industries	K.S.Rangasamy College of Technology	AICTE

Name&Signature
(Dr.P.Dhiravidamani)