

PSG COLLEGE OF TECHNOLOGY

FACULTY INNOVATION ACHIEVEMENTS

Name of the Faculty	Department	Type of Innovation	Granted in the Month/Year	Title of the Innovation (Project title/Patent title/Award Granted by)	Awarded by/Technology transfer to
Dr. D. Vijayalakshmi	Apparel & Fashion Design	Research	July 2019	Ergonomic study and design development of work wear for operators and managers of ITC Limited-Food Division	ITC Limited
Dr. D. Vijayalakshmi	Apparel & Fashion Design	Research	Published in September 2019	Evaluating the effectiveness of the collaborative learning in fashion studies	Indo Universal Collaboration for Engineering Education (IUCEE)
Dr. D. Vijayalakshmi	Apparel & Fashion Design	Research	October 2016	Design and Development of Functional Wear for Elderly	UGC Grants Commission, Hyderabad
Nirmala Varghese	Apparel and Fashion Design	IP granted	20/03/2019	STRETCH WOVEN FABRIC FOR COMFORT FIT SARI BLOUSE	The Patent office, Government of India
Sandhya S	Apparel and Fashion Design	Research	August/2020	A study on influence of store ambience on consumers purchase behavior	International Journal of Advance Research, Ideas and Innovations in Technology
R S Lekshmi	Applied Maths and Computational Sciences	Awards	9th March 2019	Effective Pedagogical Practices in Knowledge Dissemination – An Experiential Approach	Best Paper Award, PSG CARE
D.Brindha	Biomedical Engineering	Research	2013-2015	Design and Development of low cost, non-contact, palm Biometric system for Healthcare	AICTE

				Establishments	
D.Brindha	Biomedical Engineering	Research	2016-2018	Design & Development of Novel Multi parameter monitoring system	DST
D.Brindha	Biomedical Engineering	Research	2015-2016	Development of Image Processing algorithm for Automated Screening of Cervical Cancer from Pap Smear Image.	Robert Bosch Engineering & Business Solutions Bangalore
Dr. B. Banu Rekha	Biomedical Engineering	Research	March 2020	(Co-PI) Development of Smart, Assistive Aids to Screen and assess Dyslexic Children in Primary School along with Curriculum Development For Remedial Teaching in Regional Language	DST - CSRI
Dr. B. Padmapriya	Biomedical Engineering	Research	2016	Development of suitable image processing algorithm to count the number of platelets per unit area with a detection accuracy of minimum 90%	Robert Bosch Engineering and Business Solutions Private Limited (RBEI)
N.Subhashini	Biomedical Engineering	Technology Transfer	July 2017	Design and Development of Low cost Intelligent wheelchair for severely disabled/old people	STEPS Knowledge Solutions PVT LTD ,Coimbatore
N.Subhashini	Biomedical Engineering	Research	2013-2016	Design and Development of Low Cost Intelligent Wheelchair for severely disabled /old people	DST ,Govt of India
Dr S Jayanthi	Biotechnology	Research	June 2019	Process optimization for Mass Production of Bio Inoculants using Tea	TEQIP Collaborative Research Scheme, NPIU, New Delhi.

				Waste	
Dr. V. Ramamurthy, Dr. J. Hema	Biotechnology	IP granted	Dec. 2019	An adsorbent for effective fluoride removal from groundwater	Government of India; Technology Transferred to WATSAN Envirotech, Chennai
Dr. V. Ramamurthy, Dr. J. Hema	Biotechnology	Technology Transfer	December 2016	An adsorbent for effective fluoride removal from groundwater	WATSAN Envirotech Private Limited
Dr.S.Niju	Biotechnology	Awards	September, 2020	Young Acheiver Award-2020	IEI, Coimbatore Local Centre
Dr.S.Niju	Biotechnology	Honor received	January, 2019	Research work highlighted in Technology news of Biofuels, Bioproducts and Biorefining Journal	Biofuels, Bioproducts and Biorefining Journal, Wiley Publications with 4.528 Impact Factor
Dr.S.Niju	Biotechnology	Honor received	March, 2020	Topic Editor-Plant Seed Oils and Their Potential for Biofuel Production	Biofuels and Bioenergy Section of " Frontiers in Energy Research" Journal with 2.746 Impact Factor
Dr.S.Niju	Biotechnology	Awards	September/2016	Early Career Research Award	SERB-DST, Govt.of India
Dr.S.Niju	Biotechnology	Awards	September/2018	Outstanding Reviewing Award	Journal of Environmental Chemical Engineering, Elsevier
Dr.M.Ibrahim Bathusha	Civil Engineering	Awards	September 2020	Outstanding Engineer Award 2020	The Institution of Engineers (India), Coimbatore Local Centre
Dr L S Jayashree	Computer Science and Engineering	Technology Transfer	August 2019	Memory Aide Device for Cognitively Impaired Patients	Agna Inc.
Dr L S Jayashree	Computer Science and Engineering	Awards	November 2019	National Award for Innovation in Engineering and Technology	ISTE
Dr L S Jayashree	Computer Science and Engineering	Awards	March 2019	Best Outstanding Academic of the Year	PSG Trust

Dr L S Jayashree	Computer Science and Engineering	Technology Transfer	September 2020	Gait Watch - A Complete Gait Monitor and Fall Predictor	Agna Inc.
Dr L S Jayashree	Computer Science and Engineering	Recognition	July 2016	Senior Member	IEEE
Dr L S Jayashree	Computer Science and Engineering	Awards	July 2004	Innovative Project Award	INAE
Anusuya. K.V	Electronics and Communications Engineering	Awards	June 2017	CAT - FTC Overall Champion Award 2017 & Winning Alliance award 2017	Caterpillar (I) Ltd
Anusuya. K.V	Electronics and Communications Engineering	Awards	October 2017	Low cost Data acquisition and monitoring system for Blood bank at ESI hospitals	PSG - STEP
Anusuya. K.V	Electronics and Communications Engineering	Awards	India Innovation Challenge design contest 2018	E- Nose	DST & Texas Instruments
Anusuya. K.V	Electronics and Communications Engineering	Awards	2018	V R Natarajan Endowment Award 2018 for the best project titled " Queuing and scheduling of messages in VANET for congestion avoidance using FLC.	PSG Tech - Alumni Association
Anusuya.K.V	Electronics and Communications Engineering	Awards	CAT - FTC Overall Champion Award 2019 & Winning Alliance Award 2019	First Tech Challenge - FTC 2019	Caterpillar (I) Limited, Chennai
Dr.N.Hema Priya	Information Technology	Technology Transfer	April 2018	Consultancy project on Customized ERP solution	Yathi pumps pvt ltd, Coimbatore
Dr.S.Sarathambekai	Information Technology	Awards	2019	Best Researcher in Swarm Intelligence	RULA Collaboration with World Research Council
S.Sangeetha	Information Technology	Research	August 2019	Privacy Preservation in Recommender System	National Science & Technology Fair 2019 by CODISSIA
Vairam T	Information Technology	Awards	2019	Best Researcher in	RULA

				swarm intelligence	
Dr A Prabukarthi	Mechanical Engineering	Awards	September 2019	Young achiever Award 2019	The Institution of Engineers (India), Coimbatore Local Centre.
Dr Babu S	Mechanical Engineering	Research	Sep 2016 to Jan 2017	Completed Online Course on Solid Waste Management	Offered by UNESCO, Institute for Water Education, Netherlands
Dr Babu S	Mechanical Engineering	Awards	Dec 2019	Awarded the "Best Faculty Award 2019"	Nehru Group of Institutions, Thirumalayampalayam, Coimbatore
Dr Babu S	Mechanical Engineering	Awards	June 2016)	Best paper awarded in Conference on "Large Scale Multi-disciplinary Systems of National Significance"	ISSE Sriharikota - Chennai Chapter & SDSC SHAR, ISRO-Sriharikota.
Dr Babu S	Mechanical Engineering	Awards	Dec 2016	Appreciated and honored the Best Firer in 0.22 Rifle	Organized by 2-TN Composite Tech Coy. NCC, Coimbatore
Dr Babu S	Mechanical Engineering	Awards	Aug 2011	Awarded Cambridge International Certificate for teachers and trainers with distinction	awarded by University of Cambridge International Examination
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Awards	October 2020	Indian Achievers Award for Educational Excellence	Indian Achievers Award
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Honor received	July 2020	MSME Professional Trainer	Ministry of Micro, Small and Medium Enterprises (MSME)
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	IP granted	May 2020	Apparatus for monitoring and controlling dimensional variations in the machining process of the workpiece	Indian Patent Office
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	IP granted	March 2019	Fixture holder for CNC machines	Indian Patent Office
Dr Ganesh Kumar	Mechanical Engineering	IP granted	May 2018	Portable Intelligent	US Patent Office

Nithyanandam				Controlling system for machines	
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Awards	April 2011	Cambridge Certificate at Professional Level	University of Cambridge
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Awards	March 2016	Certified Master Trainer for Foundation Skills in Integrated Product Development	Anna University and NASSCOM
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Awards	March 2014	Lean Six Sigma Black Belt	Juran Academy USA
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Honor received	September 2011	Plant Floor Information Systems	UAW DaimlerChrysler
Dr Ganesh Kumar Nithyanandam	Mechanical Engineering	Awards	April 2005	Associate Certificate in Project Management	The George Washington University USA
Dr R.Prakash	Mechanical Engineering	Awards	September 2019	PSG Teacher of the Year Award	PSG & SONS' CHARITIES
M. Parthiban	Mechanical Engineering	Research	In Progress	ARDB	Mechanical
Satish Chandran V	Mechanical Engineering	Research	Nov 2019	IUCEE International Engineering Educator Certification Program (IIEECP)	IUCEE
Satish Chandran V	Mechanical Engineering	Awards	Nov 2019	International Engineering Educator Certification	IUCEE
Satish Chandran V	Mechanical Engineering	Awards	July 2020	IUCEE Student Leadership - Mentor / IUCEE	IUCEE
Yuvaraja M	Mechanical Engineering	Awards	SEPTEMBER 2018	PSG TEACHER OF THE YEAR AWARD	P.S.GOVINDASWAMY NAIDU & SON'S CHARITIES
Yuvaraja M	Mechanical Engineering	Awards	SEPTEMBER 2018	PSG TEACHER OF THE YEAR AWARD	P.S.GOVINDASWAMY NAIDU & SON'S CHARITIES
Yuvaraja M	Mechanical Engineering	Awards	December 2017	Shri P.K Das Memorial Best Faculty Award	Nehru college of educational and charitable trust
Yuvaraja M	Mechanical Engineering	Awards	September 2015	IEI YOUNG ENGINEERS AWARD	Institution of Engineers - India

Dr Babu S	Mechanical Engineering	Awards	March 2019	Best paper awarded (1st, 2nd and 3rd prize) in Project Mr. Clean, an event of Swachhta Pakwada paper presentation contest	organized by Sardar Vallabhbhai Patel Institution of Textiles and Management (MHRD) CBE.
Dr Babu S	Mechanical Engineering	Awards	March 2019	Early Career Research award	awarded by DST/SERB
Dr Babu S	Mechanical Engineering	Awards	Jun 2019	Outstanding Performance in Coordinating Camp Activity	Organized by 2-TN Composite Tech Coy. NCC, Coimbatore
Dr Babu S	Mechanical Engineering	Awards	9.2019	Awarded the "Young Achiever Award 2019"	awarded by The Institute of Engineers (India), Coimbatore.
Dr Prasanth A S	Mechanical Engineering	Research	April 2019	Co-Continuous Ceramic Composites for Ballistic Protection	SPARC, MHRD
Prabu	Mechanical Engineering	Research	December/2019	Smart Pump	Scientific and Industrial Research Center (Si'Tarc)
S.Udhayakumar	Mechanical Engineering	Technology Transfer	29.09.2011	Design and Development of an Infant Ventilator	M/s PRICOL Medical Systems
S.Udhayakumar	Mechanical Engineering	Technology Transfer	27.03.2013	Design and Development of Physical and Health Fitness Monitor	M/s Pricol Medical Systems Ltd
S.Udhayakumar	Mechanical Engineering	Awards	10.12.2016	Young Engineer Award	Institution of Engineers (India)
S.Udhayakumar	Mechanical Engineering	Awards	16.09.2019	YOUNG ACHIEVER AWARD -2019	Institution of Engineers (India) - CLC
S.Udhayakumar	Mechanical Engineering	Awards	05.09.2017	PSG Teacher of the Year Award	PSG & SONS' CHARITIES
Dr Babu S	Mechanical Engineering	IP granted	29/08/2018	"Certificate of Registration of Design for Solar Water Heater"	approved by The Controller General of Patents, Design and Trade Marks, Government of India

Dr Babu S	Mechanical Engineering	Awards	Oct 2016	Awarded and won the first prize in teacher's day celebration contest on "Smart City Kovai: A way forward"	Confederation of Indian Industry (CII) – Coimbatore Unit
Dr.R.Amuda	Physics	Research	02February 2019	National post doctoral Fellowship- Mentor	DST-SERB
Dr M Senthilkumar	Production Engineering	Awards	NOVEMBER 213	ANNA UNIVERSITY NATIONAL AWARD FOR OUTSTANDING ACADEMIC	ISTE, NEWDELHI
Dr M Senthilkumar	Production Engineering	Awards	DECEMBER 2013	SHRI P K DAS MEMORIAL BEST FACULTY AWARD	NEHRU COLLEGE OF EDUCATIONAL AND CHARITABLE TRUST
Dr M Senthilkumar	Production Engineering	Awards	MARCH 2011	DR SUNDARAMOORTHY AWARD FOR OUTSTANDING ACADEMIC OF PSG COLLEGE OF TECHNOLOGY	PSG COLLEGE OF TECHNOLOGY
Dr M Senthilkumar	Production Engineering	Awards	NOVEMBER 2006	ISTE-SGSITS NATIONAL AWARD FOR THE RESEARCH WORK DONE BY YOUNG TEACHERS	ISTE, NEWDELHI
Dr M Senthilkumar	Production Engineering	Awards	SEPTEMBER 2015	PSG TEACHER OF THE YEAR AWARD	PSG & SONS CHARITIES TRUST
Dr M Senthilkumar	Production Engineering	IP granted	January 2020	Onion Peeler	Indian patent Office
Leo Kumar	Production Engineering	Awards	September 2020	Young Achiever Award	Institution of Engineers Coimbatore Region
Pratheesh Kumar S	Production Engineering	Awards	August 2019	Sheet metal forming without die	CODISSIA - National Science and Technology Fair 2019
Dr.M.Suresh	Robotics and Automation	Research	Dec 2019	Toilet Cleaning Robot	TNSCST
Dr.M.Suresh	Robotics and Automation	Awards	APR 2018	Best faculty of the year 2018	PSG Institute of Advanced Studies
S. Prabhakaran	Robotics and Automation	Fellowship	June 2017	Junior Visiting Research	University of New South

	Engineering			Fellowship	Wales, Australian Defence Force Academy, Canberra, Australia
S. Prabhakaran	Robotics and Automation Engineering	Awards	2020	Best Faculty of the Year	PSG IAS
S. Prabhakaran	Robotics and Automation Engineering	Awards	2018	Best Faculty of the Year	PSG IAS
S. Prabhakaran	Robotics and Automation Engineering	Awards	November 2019	Best Innovative Project Award – Design & Development of Robotic Endotrainer	DST
Dr.G.Thilagavathi	Textile Technology	Research	December /2015	Mentor Award for Best Industry Linked Engineering Institute 2015 for Chemical & Allied Engineering Institute	AICTE and CII
Dr.M.Senthilkumar	Textile Technology	Awards	November 2019	Novel approach in dyeing of cotton fabric without salt	National Institute of Technology (NIT), Jalandhar