

FACULTY PROFILE FORMAT (Format 3)		
Staff Name	:	Dr. M. SURESH
Faculty ID	:	TEC59
Designation	:	Associate Professor
Qualification	:	M.E.,Ph.D.
Teaching Experience	:	23 Years 6 Months
Area of Specialization	:	Control Engineering, Soft Computing Techniques
Subjects Handled	:	Control Systems, Sensors and Transducers, Process Dynamics and Control, Digital Control System, Logic and Distributed Control System, Transducer Engineering, Industrial Instrumentation – I & II, Process Control, Digital Logic Circuits, Analytical Instrumentation, Mechanical Measurements – I & II, Electronic Devices and Circuits, Artificial Intelligence and Neural Networks, Process Instrumentation, Dynamics and Control, Automotive Embedded System, Advanced Digital System and Design, Electric Vehicles and Power Management.
Books Published	:	
Journals Published	:	<ol style="list-style-type: none"> 1. G Sivagurunathan, R Kotteeswaran, M Suresh, A Kirthini Godweena, 2021, Design of centralized controller for multivariable process using MOPSO algorithm, Indian Journal Of Science And Technology, Volume: 14, Issue: 26, 2021, Pages: 2223-2237, DOI: 10.17485/IJST/v14i26.539. 2. Divya Perumal, M. Suresh, 2020, Automated BFT testing in LABCAR using ECU Test Tool, International Research Journal of Engineering and Technology (IRJET), Volume: 07 Issue: 05 May 2020. 3. Palanisamy Boopathi Nevetha, Maruthai Suresh, 2016, 'Design of Decoupler and Performance Analysis of Distillation Column', International Journal Of Innovative Research In Electrical, Electronics, Instrumentation And Control Engineering Vol. 4, Issue 6, pp 40-43. 4. R. Ranjitha, Vijay Ramraj Rangam, M. Suresh, 2016, 'Design Of Feed Forward Compensator For A Thermal Process', International Journal of Science, Engineering and Technology Research, Vol 5, Issue 6, pp. 2014-2028, 2016. 5. T. Babu, M. Suresh and N. Pappa, 2015 'QFT Based Controller Design for Class of Nonlinear Uncertain System', Middle-East Journal of Scientific Research 23 (Sensing, Signal Processing and Security): 249-256, 2015 ISSN 1990-9233, DOI: 10.5829/idosi.mejsr.2015.23.ssps.104. 6. Suresh, M, Selvakumar, C & Rani Hemamalini, R 2013, 'Active disturbance rejection control of nonlinear thermal process', International review on mechanical engineering, International review of mechanical Engineering, vol. 7, no. 6, pp. 1213 – 1217. 7. Suresh, M, Selvakumar, C & Rani Hemamalini, R 2012, 'Design of feedforward controller for a FOPDT nonlinear thermal process',

		<p>International review on modelling and simulations, vol. 5, No. 6, pp. 2507-2511.</p> <p>8. Suresh, M, Rani Hemamalini, R & Srinivasan, GJ 2010, 'Limitations of feedback, feedforward and IMC controller for a first order nonlinear process with dead time', Sensors & Transducers Journal, vol. 121, no.10, pp. 77-93.</p> <p>9. Suresh, M, Rani Hemamalini, R & Srinivasan, GJ 2009, 'Fuzzy logic based set-point weighted controller for an internal model based PID controller', Sensors & Transducers Journal, vol. 109, No. 10, pp. 29-42.</p> <p>10. Suresh, M, Rani Hemamalini, R & Srinivasan, GJ 2009, 'Integrated fuzzy logic based intelligent control of three tank system', Serbian Journal of Electrical Engineering, vol. 6, No. 1, pp.1-14.</p>
Conference /Workshop Attended	:	<ol style="list-style-type: none"> 1. FDP on 'Building Advanced Data Analytics Applications With cloud' under Next Gen Employability Program from 18-12-2023 to 22-12-2023, Edunet Foundation. 2. Online Elementary FDP on "Recent Trends in Electric Vehicles" from 05/07/2021 to 09/07/2021 at National Institute of Technology, Arunachal Pradesh . 3. Online Elementary FDP on "Applications of Machine Learning for Autonomous futuristic Electric Vehicles" from 12/07/2021 to 16/07/2021 at National Institute of Technology, Calicut . 4. Online Elementary FDP on "Industry Oriented FDP on Artificial Intelligence" from 07/06/2021 to 11/06/2021 at MSME-Technology Development Centre (PPDC), Meerut. 5. Online Elementary FDP on "Cultivating Excellence in Implementation of Computational Science for Scientific and Technological Innovations" from 14/06/2021 to 18/06/2021 at National Institute of Technology Rourkela . 6. International Webinar on "Design of Wind Tower Cooling System with passive Evaporative cooling", conducted by SRMIST- ENFUSE on 31st July 2020. 7. Webinar "Adaptive Tracker For N-Link Rigid Robotic Manipulators Via Sliding Mode Control" organized by the Department of Electrical Engineering, K. K. Wagh Institute of Engineering Education and Research Nashik on 28th July, 2020. 8. Online Webinar on "IPR and Technology Transfer", Institution's Innovation Council Innovation Ambassadors (IA) Programme, R.M.K. Engineering College, 12-7-2020 9. Webinar on " Research aspects on Medical device development" conducted by EEE department, Nalla Narasimha Reddy Group of Institutions on 8th July 2020 10. Webinar on "Role of language as the ultimate & vital factor for success in careers" organized by the Department of Electronics and Instrumentation Engineering, St. Joseph's College of Engineering, Chennai-119 in association with IEEE Control Systems Society on June 11, 2020. 11. Webinar on "Role of language as the ultimate & vital factor for success in careers" organized by the Department of Electronics and Instrumentation

		<p>Engineering, St. Joseph's College of Engineering, Chennai-119 in association with IEEE Control Systems Society on June 11, 2020.</p> <p>12. Webinar on smart factory automation with digital twin and live demonstration on skillon365, conducted by MTAB TECHNOLOGY CENTER P LTD, Organized by Department of Electronics and Instrumentation Engineering of KCG College of Technology on 10 June 2020.</p> <p>13. Future Electric Grid Organized by Chennai Institute of Technology on 08-06-2020.</p> <p>14. Research Trends in VLSI Design from 25-05-20 to 29-05-20 (One Week) Organized by Electronics and Communication Engineering Department NITTTR, Chandigarh.</p> <p>15. Strategic Planning for Entrepreneurship Promotion from 04-05-20 to 08-05-20 (One Week) Organized by Entrepreneurship Development and Industrial Coordination Department, NITTTR, Chandigarh</p> <p>16. Scilab Programming from 14-04-20 to 18-04-20 (One Week) Organized by Computer Science and Engineering Department NITTTR, Chandigarh</p> <p>17. Cloud, Fog and Edge Computing from 14-04-20 to 18-04-20 (One Week) Organized by Computer Science and Engineering Department, NITTTR, Chandigarh.</p> <p>18. Neural Network and CNN, Conducted by Curriculum Development Centre Department, from 09/04/2020 to 13/04/2020 (One Week) at NITTTR, Chandigarh</p> <p>19. Integrated Approach for Cyber Security in Power Sector, at The Institution of Engineers (India), Tamilnadu State Centre, Chennai by NATIONAL POWER TRAINING INSTITUTE, (Ministry of Power, Govt. of India), Southern Region, Neyveli on 28th November, 2018</p> <p>20. Process Instrumentation Dynamics and Control, Anna University Sponsored FDP , Dhaanish Ahmed College of Engineering – Chennai, 4th Dec 2017 to 10th Dec 2017</p> <p>21. Students Guidance and counseling, St. Peter's Engineering College, Avadi, Chennai, 29.7.05, 30.7.05 & 31.7.05</p> <p>22. Industrial Instrumentation & Process Control, Kongu Engineering College, Perundurai , 30.6.03 to 5.7.03.</p> <p>23. Trends in Industrial Instrumentation, REC , Trichy, 10.8.02 & 11.08.02</p>
Patent Details	:	<ol style="list-style-type: none"> 1. IoT-based automation for the purpose of monitoring temperature and vibration in processes and preventing accidents, 01/09/2023. 2. Quantum cryptography for secure cloud computing applications, 14/06/2024
Funded Project Details		-