

SARANATHAN COLLEGE OF ENGINEERING
VENKATESWARA NAGAR, PANJAPUR
TIRUCHIRAPALLI- 620012

DATA SHEET - 2020-21

Name of the Faculty member : N. Baskar

Name of the Department : Mechanical Engineering

Qualification:

Degree		Specialisation	Year of completion	Name of College/University	% of Marks obtained	Class
UG	B.E.,	Mechanical Engineering	1992	Shanmugha College of Engineering, Thanjavur /Bharathidasan University, Trichy	60.4	I
PG	M.E.,	Manufacturing Technology	1996	Regional Engineering College (REC), Trichy /Bharathidasan University, Trichy	61.4	I
Ph.D.		Production Engineering	2006	Regional Engineering College (REC), Trichy / Bharathidasan University, Trichy	Commended	

Designation while joining SCE : Professor

Date: 23/06/2014

Present Designation : Professor

Experience:

	Academic		Industry		Total
	Years	Months	Years	Months	Years
After UG	4	6			4.6
After PG	9	6			9.6
After Ph.D.	14	2			14.2
Total					28.2

I. Details of continuing higher education: NA

II. Prepared and submitted the following for Journal publication:

Academic Year	Title of the Publication	Name of the Journal	Author/ Co-Author	Impact factor	Status	AU Annexure I/II
2020-2021	A Drilling Operation: A Review	Materials Today: Proceedings	Co-Author		Volume 21, Part 1, 2020, Pages 926-933	Scopus
	Multi criteria decision making through TOPSIS and COPRAS on drilling parameters of magnesium AZ91	Journal of Magnesium and Alloys		10.088	In Print	SCI and Scopus
	Surface Modification method of duplex type stainless steels by the pack boriding process	Hemijaska Industrija		0.627	Vol.75 No.(3),15 5-166 ,(2021)	Annexure
	Research Review in IOT Based Smart Tractor for Field Monitoring and Ploughing	International Journal of Engineering Research and Applications			Vol. 11, Issue 2, (Series-I) February 2021, pp. 32-38	
	Comparison of incremental	Proceedings of the Institution of		2.610	Volume: 235 issue: 8,	Annexure

sheet metal forming process using newly designed multipoint tool with the existing single point tool by optimization and characterization methods on austenite stainless steel 202	Mechanical Engineers, Part B: Journal of Engineering Manufacture			page(s): 1298-1308, June 1, 2021.	
Evaluation of desirability function approach and grey relation analysis for modeling circularity, perpendicularity and cylindricity in drilling magnesium AZ31	Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering		1.620	Volume: 235 issue: 2, page(s): 238-248, April 1, 2021	Scopus & Google Scholar
Research Review in Experimental Analysis of Al-6061, Al-2024 in CNC Using MOORA Technique	International Journal of Engineering Research and Applications			ISSN: 248-9622, Vol. 11, Issue 3, (Series-I) arch 2021, pp. 36-39	
Process Evaluation and Optimization of Friction	International Journal of Rapid Manufacturing			1757-825, Vol. 9, No. 4, pp. 322-340 (25	Google Scholar

Welding Parameters on Aluminium Grade 6061 by Direct Drive Friction Welding Method	(IJRAPIDM), Inderscience Publishers,			September 2020)	
Mechanical properties and applications of Magnesium alloy - Review	Materials Today: Proceedings,			Volume 27, Part 2, 2020, Pages 909-913.	Scopus
Modeling and Optimization of Hole Accuracy and Drilling Time in Magnesium Az31 Plate	Surface Review and Letters	1.152		Vol. 28, No. 07	Science Citation Index (SCI) Science Citation Index Expanded (SCIE) Scopus, (Accessure -
Performance analysis of solar box preheaters for energy conservation in metal casting	Journal of Rapid Manufacturing (IJRAPIDM), Inderscience			Vol. 9, No. 4, pp.361-371. 25 September 2020	Google Scholar
Tool wear investigation of micro-textured and non-textured carbide inserts for machining industrial component	Journal of Rapid Manufacturing (IJRAPIDM), Inderscience Publishers.			1757-825, Vol. 9, No. 4, pp. 309-321. 25 September 2020	Google Scholar
Empirical Modelling And Optimization of Drilling Parameters to	Journal of Manufacturing Technology Research			Vol. 12, Iss. 1/2, (2020): 41-56	Scopus

Titanium Grade 2 Materials of Conventional and CNC Machine					
Productivity and quality improvement by optimization of milling parameters of super alloy	Materials Today: Proceedings			Volume 33, Part 7, 2020, Pages 3491-3496	Scopus
Optimization of cylindrical grinding process parameters using meta-heuristic algorithms	Indian Journal of Engineering and Materials Sciences (IJEMS)			Vol 27, No 2, (2020), pp-389-395	SCOPUS (Elsevier), Web of Science (Clarivate Analytics), SCI.

III. Prepared and presented paper in the following conference: NIL

Academic Year	Title of the Paper	Organizer	Author/ Co-Author
-	-	-	-

IV. Attended the following Seminar/Workshop/FDP/STTP

Academic Year	Topic	Organizer	No of Days
2020-2021	Basics of Finite Element Analysis-I	National Programme on Technology Enhanced Learning (NPTEL)	8 Week Course (September 2020 to November 2020)

V. Publication of Text Books:

Academic Year	Name of the text book	Publisher
-	-	-

VI. Details of Patent Filed :

Academic Year	Details of the Patent	Status
2020-2021	Motorized Copper Tubes Instead of Vent Holes in Sand Casting Process	First Examination Report Submitted
	Smart Drafting Device	Published 16/10/20
	Combination Drill Jig	First Examination Report Submitted

VII. Prepared/helped in preparing the following work for funding agencies:

Academic Year	Title of the Proposal	Agencies	Author/Investigator	Status
2020-2021	Experimental Design, Evaluation and analysis of friction welding joint on AISI D3 Steel (January 2021)	Tamil Nadu State Council for Science and Technology (TNSCST), Chennai	N. Baskar	Result Awaited
2020-2021	Experiment Evaluation, Characterization and Multi Objective Optimization of	Tamil Nadu State Council for Science and Technology	N. Baskar & S. Karthikeyan	Result Awaited

	Friction Welding Parameters on Combination of Two Dissimilar Materials. (January 2021)	(TNSCST), Chennai		
2020-2021	Experiment Evaluation, Characterization and Multi Objective Optimization of Friction Welding Parameters on Combination of Two Dissimilar Materials.	The Institution of Engineers (India) R&D Grant-in-aid Scheme, Kolkata. (February 2021)	N. Baskar & S. Karthikeyan	Results Awaited
2020-2021	Rudiments and Practices of Computational Fluid Dynamics in Thermo-Fluid Analysis	All India Council for Technical Education (AICTE), New Delhi	N. Baskar & A. Mercy Vasan	Completed and fund Received Rs.1,91.567
2020-2021	Manufacturing Intelligence in Industry 4.0	Council of Scientific and Industrial Research Human Resource Development Group CSIR Complex, New Delhi-110012, India	N. Baskar & M. Ganesan	Results Awaited

VIII. Details of Ph.D. Guidance:

a) Are you eligible for Guideship :

<input checked="" type="checkbox"/> YES	<input type="checkbox"/> NO
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b) If yes, details of Ph.D Guidance:

No. of Ph.D. : Guided - 10

Guiding : 04

S. No.	Name of the Candidate with Register Number	Title of the Thesis	Name of the University	Date & year Completion
1.	S. Bharathiraja	Experimental Investigation of Optimum Cutting Parameters for Machining Various Work piece Materials.	SASTRA University, Thanjavur.	July 24 th , 2011
2.	B. Sureshkumar 20092022038	Comprehensive Analysis of Machining Parameters in Drilling Operations	Anna University , Chennai	May 15 th , 2015
3.	R. Balasundaram 20092062006	Discovering Dispatching Rules for Permutation Flow Shop Scheduling Using Data Driven Approach	Anna University , Chennai	July 13 th , 2015
4.	V. Balasubramanian 20102042005	Optimization of Technological Parameters and their effects on Process Performance During EDM of Aluminium Silicon Carbide Composite Materials	Anna University , Chennai	January 22 nd , 2016
5.	R. Gayatri 20105052014	Comprehensive Performance Analysis of Non-Traditional Algorithmic Parameters for Various Mathematical Models of Machining Processes	Anna University , Chennai	February 10 th , 2017

6.	S. Kannan 20092012011	An Experimental Investigation, Analysis, Modeling and Optimization of Face Milling Parameters for Various Work Piece Materials.	Anna University , Chennai	February 28 th , 2017
7.	M. R. AnanthaPadmanaban 2010S2012001	Modeling, Investigation and Optimization of Hot Wire Gas Tungsten Welding Process for Austenitic Stainless Steel used in Power Boiler Applications	Anna University, Chennai.	August 17 th , 2017
8.	R. Rekha 2010S2012014	Experimental Investigations and Analysis on Cylindrical Grinding of Steel Work pieces Under Dry and Wet Conditions	Anna University, Chennai.	September 27 th ,2017.
9.	K. Ramesh & 20092032026	Optimization of Sheet Metal Nesting using Traditional and Nontraditional Techniques	Anna University, Chennai	Viva Voce Examination Completed on October, 1 st ,2018
10.	N. Sathiya Narayanan & 1615259141	Performance Investigation and Analysis of Conventional and Surface Textured Cutting Insert	Anna University, Chennai	Viva Voce Examination Completed on September 11 th , 2020.

Ph.D. Guiding: 4

S. No.	Name of the Scholar	Date of Registration	Status
1.	S. Karthikeyan	January 2017	Comprehensive Viva Voce Examination completed
2.	A. Maria Jackson	January 2017	Comprehensive Viva Voce Examination completed
3.	P. Sathis Kumar	July 2017	Comprehensive Viva Voce Examination completed
4.	K. Ramkumar	January 2015	Oral Viva voce examination Panel submitted.

IX. Contribution to Co-curricular Activities:

Academic Year	Name of the Activity	Contribution
2020-2021	Preparation of National Assessment and Accreditation Council (NAAC) Documents	NAAC - Overall Coordinator
2020-2021	National Board of Accreditation (NBA) Compliance Report Preparation	NBA - Overall Coordinator
2020-2021	AICTE Sponsored One Week Short Term Training Programme (STTP) "Rudiments and Practices of Computational Fluid Dynamics in Thermo-Fluid Analysis" <u>Phase - I</u> (10/05/2021 to 15/05/2021) <u>Phase - II</u> (24/05/2021 to 29/05/2021) Department of Mechanical	STTP - Coordinator

	Engineering Saranathan College of Engineering, Tiruchirappalli, Tamil Nadu, India.	
2020-2021	Reviewer of Journals	1.Part B: Journal of Engineering manufacture. 2.Silicon 3.Applied Soft Computing 4. The international journal Mechanical Sciences 5.Nature
2020-2021	One Week Online Faculty Development Programme (FDP) "Evolving Trends in Research" Department of Mechanical Engineering Agnel Institute of Technology & Design, Goa, India. Date: 26/08/2020	<u>Resource Person</u> Topic: Recent Research in Mechanical Engineering

N. S. Chitra 27/8/2021
Signature of the Staff with date

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DATA SHEET 2020-2021

Name of the Faculty member : Dr.M.V.Suganyadevi

Name of the Department : Electrical and Electronics Engineering

Qualification : Ph.D

Degree		Specialisation	Year of completion	Name of College/University	% of Marks obtained	Class
Dip.	-					
UG	B.E	EEE	2006	Pallavan College of Engineering, Kanchipuram	83	Ist class with Distn
PG	M.E	Power System	2009	Thiagarajar College of Engineering, Madurai	9.34	Ist class with Distn
Ph.D	Ph.D	Power System	2015	Anna University, Chennai	9	Ist class with Distn
Others (if any)	-					

Designation while joining SCE: Associate Professor Date: 05.06.2017

Present Designation: Associate Professor Since:05.06.2017

Experience:

	Academic		Industry		Total
	Years	Months	Years	Months	
After UG	1	-			1
After PG	6	-			6
After Ph.D	6	1			6 yr 1 month
Total	13	1			13 yr 1 month

I. Details of continuing higher education:

P.G. :

Ph.D:

II. Prepared and submitted the following for Journal publication:

Academic Year	Title of the Publication	Name of the Journal	Author/ Co-Author	Impact factor	Status	AU Annexure III Scopus
2020-2021	Using Soft Computing Techniques The Measurement Of Voltage Stability Of The Power System	International Journal of Electrical Engineering & Technology	Author	1.67	Published	Annexure III Scopus
	Detection and classification of multi-complex power quality events in a smart grid using Hilbert-Huang transform and support vector machine	Electrical Engineering-Springer	Co Author	1.18	Published	Ann I
	A study of UPQC: emerging mitigation techniques for the impact of recent power quality issues	Circuit World	Co Author	1.7	Published	Ann I
	Development of IoT Architecture for Physically Challenged People Using BLYNK Server	Bioscience Biotechnology Research Communications	Co Author	5.09	Published	Scopus
	Active Bridges Based Bidirectional DC-DC Converter for Solar PV	IEEE Xplore	Co-author	-	Published	Scopus

application					
Password based circuit breaker operation for the safety off line man during maintenance work	International Journal of Engineering Research and Applications	Co-author	0.2	Published	UGC-Care II Group
Modeling and performance investigation of UPQC integrated IEEE 14 bus system with the novel combination of controllers	Advances in Fuzzy System	Co-author	0.82	Accepted for Published	Ann-1
Performance enhancement of BLDC motor using PID controller	International Journal of Power Electronics and Drive Systems	Co-author	1.98	Accepted for Published	Scopus

III. Prepared and presented paper in the following conference:

Academic Year	Title of the Paper	Organizer	Author/ Co-Author
2020-2021	Active Bridges Based Bidirectional DC-DC Converter for Solar PV application	2020 International Conference on Smart Electronics and Communication (ICOSEC)	Co-Author
	Internet of Things Based Advanced Energy Meter	ICECES 20, Saranathan College of Engineering	Author
	Design and Development of Sepic Converter Fed BLDC Motor Driver for Photovoltaic Application	ICECES 20, Saranathan College of Engineering	Author
	"Using Soft Computing Techniques the Measurement of Voltage Stability of the Power System"	ICECES 20, Saranathan College of Engineering	Author
	Active Bridges Based Bidirectional DC-DC Converter	ICECES 20, Saranathan College of Engineering	Author
	Modeling and Performance Investigation of UPQC	Smart Technologies in Electric Vehicles and Power Grid (STEP-	Co-Author

Integrated IEEE 14 Bus System With the Novel Combination of Controllers	2021)" Organized by Sri Venkateswara College of Engineering, Pennalur, Sri Venkateswara College of Engineering, Pennalur on 27-Jan-2021. AICTE	
Performance Analysis of Modified DC-DC Converter Using ANFIS Controller for Power Factor Improvement	International Conference on Recent Trends in Energy System Engineering (RTESE 2021)	Co-Author

IV. Attended the following Seminar/Workshop/FDP/STTP

Academic Year	Topic	Organizer	No of Days
2020-2021	Internet of Things	ATAL	5
	AICTE sponsored online STTP on Novel Design & Control Strategies and Innovative Technical Practices in LV/HV Modern Switchgear (Phase II)	SCE	6
	Patent Drafting for Beginners-NPTEL	NPTEL	14
	Emotional Intelligence	ATAL	5
	Research Opportunities, Challenges in Power Electronics for EV and Its Impact on Smart Grid	AICTE-Margadharsan	6

V. Publication of Text Books:

Academic Year	Name of the text book	Publisher
2020-2021	Advances in Engineering Technology - Volume - 4 (Chapter 5: Evaluation of Voltage Stability Margin in Deregulated Power Market)	AkiNik Publications
	Design and Performance analysis of Multiobjective optimization using PSO and SVM for PSS tuning in SMIB system" in Book Title: Artificial Intelligent Techniques for Wireless Communication and Networking, 2021	Scrivener Publishing WILEY (Scopus Indexed and Web of Science) Accepted for Publication

VI. Details of Patent Filed :

Academic Year	Details of the Patent	Status
2020-2021	Published a Patent in the title of “ Brain Cancer Detection and Analysis with Advanced Imaging Technologies IOT ” in Intellectual Property India. Application Number: 202041043071	Published in IPR Website

VII.Prepared/helped in preparing the following work for funding agencies:

Academic Year	Title of the Proposal	Agencies	Author/Investigator	Status
2020-2021	Real time design and development of Solar Photovoltaic powered SEPIC-UPQC as a unique custom power device	DST-WOSB	Mentor	Under review
	Real time design and development of Solar Photovoltaic powered SEPIC-UPQC	DST-SJ	Investigator	Under Review

VIII. Details of Ph.D Guidance:

a) Are you eligible for Guideship :

YES	NO
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b) If yes, details of Ph.D Guidance:

S.No	Name of the Scholar	Date of Registration	Status
1.	S.Gomathi	Jan 2013	Completed on Oct 2020
2.	R. Kishore Kumar	July 2016	Confirmation Completed
3.	N.Ananthan	Jan 2016	Confirmation Completed
4.	C.K.Hema Priya	Jan 2018	Completed on Aug 2021

5.	C.Pearline Kamalini	Jan 2018	Confirmation Completed
6.	S.Murugesan	Jan 2018	Confirmation Completed
7.	T.Tamilarasan	Jan 2019	Confirmation Completed
8.	Thenmozhi	Jan 2021	Course Work Completed
9.	A.R.Danila Shirly	July 2021	Registered.

IX. Contribution to Co-curricular Activities:

Academic Year	Name of the Activity	Contribution
2020-2021	Department Committee member of AICTE sponsored International Conference 2020	Helped by coordinating the program and reviewed the papers for the EEE panel.
	NAAC	Criteria 3 and 6.5 data collection and consolidation Department Coordinator
	NBA Compliance Report	Preparation & Submission of B2.6
	Committee Member of AICTE sponsored STTP	Helped by coordinating the program and arranging expert members for the session.
	Earth Day ENERGATHON 20 by IGEN Association	Participated in Genius Record Meet
	An Effective Pedagogy Practice	Gave a lecture as a resource person in AICTE-ISTE Induction/Refresher Program at KLNCE
	Patent Filling in India	Gave a seminar at ICE department, SCE
	AICTE Sponsored ICECES 20, Saranathan College of Engineering	Department Coordinator
	Contemporary Research and Cutting Edge Technology in Electrical Engineering	Chief Editor of the Book Chapter under Central West Publisher, Australia
	AICTE sponsored online STTP on Novel	Session In charge

Design & Control Strategies and Innovative Technical Practices in LV/HV Modern Switchgear	
14 Days FDP on “Electrical Paradigm Shift to Cyber Physical Systems and Contemporary Research in Electrical & Electronics Engineering”	Session In charge
Modernization of Power Electronics Lab for Integration of Renewable Energy Sources	Department Coordinator
International Virtual Conference on Science and Engineering and Technology -2021	Acted as Panel Member of the conference


Signature of the Staff with date

Dr.M.V.Suganyadevi

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DATA SHEET

Name of the Faculty member: **P. Aravind**

Name of the Department: **Instrumentation and Control Engineering**

Qualification:

Degree		Specialization	Year of completion	Name of College/University	% of Marks obtained	Class
Dip.	ICE	Instrumentation and Control Engineering	2005	Srinivasa Polytechnic College	83.88%	I
UG	B.Tech	Electronics and Instrumentation Engineering	2008	SASTRA University	7.11cgpa	I
PG	M.E	Control and Instrumentation Engineering	2013	J J College of Engineering & Technology, Anna University	8.06cgpa	I
Ph.D.		Faculty of Electrical Engineering (Instrumentation and Control Engineering)	2020	Anna University	Completed	
Others (if any)	MBA	General (HR)	2010	Alagappa University	58%	II

Designation while joining SCE: **Assistant Professor**

Date: **11.12.2019**

Present Designation: **Assistant Professor**

Since: **2019**

Experience: **9 years and 09 months**

	Academic		Industry		Total
	Years	Months	Years	Months	
After UG	02				2 years
After PG	06	07			6 years & 7 months
After Ph.D.	01	02			1 year & 2 months
Total	9	09			9 years & 9 month

I. Details of continuing higher education:

P.G. :

Ph.D.:

II. Prepared and submitted the following for Journal publication:

Academic Year	Title of the Publication	Name of the Journal	Author/ Co-Author	Impact factor	Status	AU Annexure I/II
2020-21	State Feedback Controller Design for Dissolved Oxygen Parameter using Paper Mill Effluent in a Semi-Batch Fermenter	Indian Chemical Engineering Journal	J. Sumathi, P. Aravind, M. Arulmozhi, T. Senthilkumar, S. Sundaram	1.09	Submitted	SCI Indexed
2020-21	Technology Development Of Automated Contactless Hand Sanitizer Dispenser System With Ir Sensor And Based On A Pic Microcontroller	Medical Journal of Dr. D.Y. Patil Vidyapeeth University	suleyman malikmyradovich nokerov, perman ezizgulyyevich hojagulyyev, geldy hydynnyazovich durdyev, Aravind pitchai venkataraman,khalid ali khan, yazmuhammet guvanjov, shanazar esenovich arazgeldiyev	0.3	Submitted	Scopus
2020-21	A Hybrid State Feedback Controller Design for Two Different Dynamic Systems	International Journal of Operational Research	P Aravind, Veeramani V, S M Girirajkumar	0.54	Published	Scopus
2020-21	Design and Analysis of Unhurried Heat Process using Various Control Strategies	International Journal of Innovative Research in Electrical, Electronics, Instrumentation	P. Aravind, N K Sai Hari Prashad, M S Charukanth, M Pratheep, D Nirmal Kumar	7.122	Published	DoI

		n and Control Engineering (IJREEICE)				
2020-21	Design and Analysis of PI Controller for a Two Tank Non-Interacting Process System	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering (IJREEICE)	Akil Sanjeev M, Arawinthan R, Karthikheyen S, Dr.S.M.Girirajkumar, Aravind P	7.122	Published	DoI
2020-21	IMC Based PI Controller for a Two Tank Interacting Process System	International Journal of Innovative Research in Electricals, Electronics, Instrumentation and control Engineering	Akil Sanjeev M, Arawinthan R, Karthikheyen S, Dr.S.M.Girirajkumar, Aravind P	5.524	Published	DoI
2020-21	Solar powered water skimming robot with remote control Access	International Journal of Innovative Research in Electrical, Electronics, Instrumentation and Control Engineering	P. Aravind, M. Felixnirmaldoss, B. Nazeer Ahamed, R. Siva Perumal	5.524	Published	DoI
2020-21	Remote Controlled Solar Powered Water Trash Collector	International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering	B. Nazeer Ahamed, M. Felixnirmaldoss, R. Siva perumal, Dr. P. Aravind	5.524	Published	DoI

**Google Scholar citations as on 16.08.2021, G. index- 142, H-index- 6, i10 index- 2

III. Prepared and presented paper in the following conference:

Academic Year	Title of the Paper	Organizer	Author/ Co-Author
2020-21	State Feedback Controller Design for Dissolved Oxygen Parameter using Paper Mill Effluent in a Semi-Batch Fermenter	NIT, Tiruchirapalli	J. Sumathi, P. Aravind, M. Arulmozhi, T. Senthilkumar, S. Sundaram,
2020-21	Single Layer Tri- UWB Patch Antenna for Osteoporosis Diagnosis and Measurement of Vibrational Resonances in Bio-Medical Engineering for Future Applications	Arya College of Engineering & IT, 42 RIICO Industrial Area, Kukas, Jaipur,	Khalid Ali Khan, P. Aravind
2020-21	Practical Identification of two tank system, in 3rd International Conference on “New Scientific Creations In Engineering and Technology	Nadar Saraswathi College of Engineering and Technology, Theni, Tamil Nadu	S.M. Girajkumar, Akil Sanjeev MArawinthan R, Karthikheyen.S, Aravind.P,
2020-21	IMC based PI controller for a two tankInteracting process system	Nadar Saraswathi College of Engineering and Technology, Theni, Tamil Nadu	S.M. Girajkumar, Akil Sanjeev MArawinthan R, Karthikheyen.S, Aravind.P,
2020-21	Design and Analysis of Advanced Control Strategies for Heat Transfer Process with Variable	Nadar Saraswathi College of Engineering and Technology, Theni, Tamil Nadu	Aravind P, Sai Hari Prashad N, Pratheep M, Nirmal Kumar D, Charukanth M S,

IV. Attended the following Seminar/Workshop/FDP/STTP

Academic Year	Topic	Organizer	No of Days
2020-21	NPTEL course in Chemical Process Control, IIT Bombay, Dec 2020 (8 weeks- 1 FDP)	IIT Bombay, NPTEL	8 weeks

V. Publication of Text Books:

Academic Year	Name of the text book	Publisher
2020-21	Book Series Title: Algorithms for Intelligent Systems (AIS), Book Title: Recent Trends in Communication and Intelligent Systems. ISBN : 978-981-16-0167-5, Hardcover ISBN: 978-981-16-0166-8, Series ISSN: 2524-7565, XII chapters and pages 178, DOI: 10.1007/978-981-16-0167-5.	Book Series Springer

VI. Details of Patent Filed:

Academic Year	Details of the Patent	Status
NIL	NIL	NIL

VII. Prepared/helped in preparing the following work for funding agencies:

Academic Year	Title of the Proposal	Agencies	Author/Investigator	Status
2020-21	Solar powered water trash cleaner Using IoT	TNSCST	Author	Applied
2020-21	Design and analysis of advanced control strategies for heat transfer process with variable delay.	TNSCST	Author	Applied

VIII. Details of Ph.D. Guidance:

S.No	Name of the Scholar	Date of Registration	Status
NIL	NIL	NIL	NIL

IX. Contribution to Co-curricular Activities:

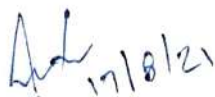
Academic Year	Name of the Activity	Contribution
2020-21	Guest Lecture	Topic "Application of fractional order PID controller"
2020-21	3 Days FDP organized on Latest Innovative Techniques in Engineering	Supported for entire programme
2020-21	NI Training Support	Arranging and conducting Labview training to students

X. Contribution to Extracurricular Activities:

Academic Year	Name of the Activity	Contribution
2020-21	NAAC Department Coordinator	Periodical submission of Departmental NAAC Data to NAAC coordinators on time and consolidation of NAAC Criteria 6 for whole college and submitted to NAAC website
2020-21	NBA Department Coordinator	Data sheet preparation, collection and verification of documents 2020-2021 academic year
2020-21	NIRF submission	Details prepared and submitted to Dr. Rajkumar/EEE for NIRF submission
2020-21	Autonomous application process	Documents are submitted to committee on time
2020-21	Poster presentation competition	Supported for Poster presentation competition

XI. Stayed beyond working hours to do the following works:

Academic Year	Nature of work	Hours
2020-21	Departmental level HoD assigned works, NAAC, NBA, NIRF and others	Depends upon need to complete the work stayed after working hours and worked in home.



Signature of the Staff with date