



RVS COLLEGE OF ENGINEERING AND TECHNOLOGY

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

(Accredited by NAAC and an ISO 9001:2008 Certified Institution)

COIMBATORE - 641 402.

R&D Annual Report

2019 -2020

Dr. Shanmugavadivu

R&D Incharge

RVS college of Engineering and Technology

Coimbatore-641402

Staff Committee:

Sl.No	Department	Staff coordinator
1	CSE	1. Dr. K.Karuppasamy 2. Prof. D.Suganthi
2	EEE	1. Dr.S.S Sivaraju 2. Prof.T.Senthilkumar
3	ECE	1. Dr.D.Jeyakumar 2. Prof.R.Kannan
4	MECH	1. Dr.V.R Sivakumar 2. Prof .P.Rajeshkumar
5	PCE	1. Dr. S. Karunakaran 2. Dr.R.Kannan
6	S & H	1. Prof.Prakash. A 2. Prof.K.Kalaivani

Student Committee:

Sl.No	Department	Student Members
1	CSE	AJITHKUMAR S-II YEAR FIGO BROSAN L-II YEAR KAMRUPA B-III YEAR JANANI V-III YEAR
2	EEE	AJEETH KUMAR S-III YEAR DHARANI B V-III YEAR

		MATHAVARAJ M-II YEAR RAJESH C-II YEAR
3	ECE	SUPRIYA M III YEAR PASUPATHY E III ECE YEAR GAYATHRI B II YEAR KARTHICK AMARNATH H II YEAR
4	MECH	NARAYANAN. G - II YEAR SIVAKUMAR. C - II YEAR JEEVA PANDIAN R - III YEAR USHA MARI S - III YEAR
5	PCE	ABHIRAM KRISHNA R - II YEAR SURJITH M - II YEAR AJITHKUMAR R - III YEAR SARAN PRASANTH K - III YEAR
6	S & H	

1. Grants received from Government and non-governmental agencies for research projects, endowments in the institution (INR in Lakhs)

Sl. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Department of Principal Investigator	Year of Award	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)
1	Design and Development of High Efficiency Switched Reluctance motor for surface Grinder machine	Dr.S.S Sivaraju, L.SenthilMurugan T.Senthilkumar	Electrical and Electronics Engineering	2019-20	0.07	6 months	Tamilnadu state council for Science and Technology	Government

2. Number of papers published per teacher in the Journals

Sl. No	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Year of publication	ISSN number
1	Sensor less Speed Control of 6/4 SRM Drive USING HYDRID OBSERVER	Senthil Murugan , L & Maruthupandi, P	Electrical and Electronics Engineering	Electrical Engineering (Springer)	2020	0948-7921
2	Realization of Fault tolerance capability of multi phase SRM using Wavelet transform	Senthil Murugan , L & Maruthupandi, P	Electrical and Electronics Engineering	Microprocessors and Microsystems (Elsevier)	2020	0141-9331
3	Adaptive ELM neural computing framework with fuzzy PI controller for speed regulation in permanent magnet synchronous motors	F.Vijay AmirthaRaj	Electrical and Electronics Engineering	SPRINGER SOFT COMPUTING	2020	1432-7643
4	Analysis of Energy Concentration of the Speech,EEG and ECG signals in Healthcare Applications – A Survey	Dr.M.Sundar Prakash Balaji	Electronics and Communication Engineering	Journal of Medical Imaging and Health Informatics	2020	2156-7018
5	Exploring Modern Digital Signal Processing Techniques in Day-to-Day Life Applications	Dr.M.Sundar Prakash Balaji	Electronics and Communication Engineering	Journal of Medical Imaging and Health Informatics	2020	2156-7018
6	Synergic deep learning based preoperative metric prediction and patient oriented payment model for total hip arthroplasty	Dr.M.Sundar Prakash Balaji	Electronics and Communication Engineering	Journal of Ambient Intelligence and Humanized Computing	2020	2156-7020
7	Nano-sulfated zirconia catalyzed biodiesel production from tannery waste sheep fat	Vijaya Kumar Booramurthy, Ramesh Kasimani, Sivakumar Pandian, Balasubramanian Ragunathan	Petrochemical Engineering	Environmental Science and Pollution Research	2020	0944-1344
8	Performance analysis of electrically coupled SRR bowtie antenna for wireless broadband communications	P.Dhanraj	Electronics and Communication Engineering	Springer - Wireless Networks	2020	5271-5283
9	Electroencephalogram based Communication System for Locked in State Person using mentally spelled tasks with optimized network model	Dr.M.Sundar Prakash Balaji	Electronics and Communication Engineering	Artificial Intelligence in Medicine	2020	19309315

10	A Review on Minimization of Torque Ripples in BLDC Motors	S.Pandeeswar i, Dr.S.Jaganath an	Electrical and Electronics Engineering	Journal of Xidian University	2020	1001- 2400
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3. Incubation & Innovative Cell Activities

S.No	Name of the Activity	Date	Resource Speaker
1	Seminar on "Entrepreneurship Development"	20-08-2019	Mrs.R.KavithaRajasekar, Managing Director, Sri Padmavathi Industries, Coimbatore.
2	Dreamtech 2020 Innova Project Expo	09-01-2020	Team IIC
3	Workshop on Design Thinking and Innovation	10-01-2020	Mr.E.Vetrimani, Assistant Professor, RVS College of Engineering and Technology, Coimbatore.
4	Seminar on Social Innovation and Entrepreneurship	21-01-2020	Ms.Janani, RVS College of Engineering and Technology, Coimbatore.
5	Online IIC Webinars	28-04-2020 to 22-05- 2020	MHRD Innovation Cell (MIC)