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3.1.3	**Percentage of departments having Research projects funded by government and non-government agencies during the last five years**

Sl. No	Description	Page No.
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2	List of Research projects	3

CHENNAI INSTITUTE OF TECHNOLOGY
Sarathy Nagar, Kundrathur, Chennai - 600069, Tamilnadu, India.

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Dr.A.Ramesh, M.E., Ph.D.
Principal

Date: 15.02.2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that the Percentage of Department having research project funded by Government / Non-Government agencies during last five years is 100 %. The Department wise details are given below.

S. No	Department	Number of Research Project
1.	Civil Engineering	2
2.	Computer Science and Engineering	6
3.	Electronics and Communication and Engineering	3
4.	Electrical and Electronics and Engineering	3
5.	Mechatronics Engineering	5
6.	Mechanical Engineering	7
Total No of Research project		26

15/02/21

PRINCIPAL

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3.1.3	List of Research projects

Sl.No	Department	Name of the Project	Name of the funding agency	Year of Award
1	Civil Engineering	Development of Eco-Friendly Geopolymer-Ash based Green bricks using solar	Chennai Green Bricks -LLP	2019-2020
		Experimental Investigation on light weight concrete using Aluminum waste from casting Industry	Gokul Auto Tech Pvt. Ltd.	
2	Computer Science and Engineering	Automated Manufacturing Platform - Operating Paradigm, Functional requirements in Architecture Design using Artificial Intelligence	Tripower Technologies Pvt. Ltd.	2019-2020
		PLC Implementation for Production Management System	Corporate solutions redefined India private Limited. Chennai	
		Intelligent Driving Pattern Prediction in Truck - ADC	Daimler India Commercial Vehicles Pvt. Ltd, Chennai	
		Collaborative and Intelligent Robot Systems	Accenture solutions private limited, Chennai	
		Intelligent Warehouse Management System – Hm	Accenture solutions private limited, Chennai	
		Manufacturing as A Service -POC	Accenture solutions private limited, Chennai	
3		A smart Industry 4.0 using IoT, Big data, Data Analytics, Cloud and SAAS Technologies	Swot Technologies PVT Ltd	2019-2020
		Cockpit Intelligent Platform-I	Accenture, Chennai	

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	Electronics and Communication Engineering	Cockpit Intelligent Platform-II	Accenture, Chennai	
4	Electrical and Electronics Engineering	Improvement of Power Factor and Voltage Stability Using Active Filter	Chennai Heat Treaters Pvt Ltd, Chennai	2019-2020
		Embedded IOT based Automatic Power saving in Industries	Chennai Heat Treaters Pvt Ltd, Chennai	
		Analytical approach of design parameter improvement in portable solar street light system	Maruthi Power Control Systems, Chennai	2018-2019
5	Mechatronics Engineering	Intelligent Warehouse Management Systems Integrated with AGV	Accenture Solution Private Limited, Chennai	2019-2020
		Intelligent Air Conditioner	Accenture Solution Private Limited, Chennai	
		Smart piping for sustainable Business	Corporate Solution Redefined India Pvt Ltd, Chennai	
		Precision Farming and cattle Feeding System	Corporate Solution Redefined India Pvt Ltd , Chennai	
		A neural network based control research in the path optimization of automated guided vehicle systems.	MK autocomponents India Limited , Ambathur , Chennai	
6	Mechanical Engineering	Effect of casting parameters on the solidification behaviour of alumnium alloys	WinMach Automations Pvt Ltd Ambattur,Chennai	2019-2020

		Design and Fabrication of Hospitality Robot for in-house aged patients in hospitals	Tamilnadu State Council for Science and Technology, Chennai	
		CAE Analysis of Tilt bracket	Rane NSK Steering Limited, Chennai	2018-2019
		CAE Analysis of sheet metal yoke	Rane NSK Steering Limited, Chennai	
		CAE Analysis of Forged Yoke	Rane NSK Steering Limited, Chennai	
		Temperature and Process parameter optimization using for quality enhancement in wire EDM process for Ti-6Al-4V alloy	CAD Macro Design & Solutions Pvt Ltd, Chennai	
		Design and Fabrication of Hydraulic press progress monitoring system with Integrated Sensor	Sarathy Autocomponents, Chennai	2017-2018