9.4 Research income from industry

As part of research initiatives, the students and faculty members are involved in developing innovative solutions for the below industries.

Accenture Solutions Pvt. Ltd	TATA Consultancy Services	TVS	
Decathlon	Bonfiglioli, Transmission private limited	MK auto Components	Gokul Autotech Pvt. Ltd
Tripower Technologies Pvt. Ltd	Coporate Solutions Redefined India Pvt.Ltd	Daimler India Commercial Vehicles Pvt Ltd	
Maestro Steel Detailing Inc	VEEKAY Engineering	Chennai Heat Treaters Pvt Ltd, Chennai.	
Maruthi Power control systems, Chennai	Swot Technologies PVT Ltd	Win Mach Automations PvtLtd Ambattur, Chennai	

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RRT Power Tech pvt ltd	Rane NSK Steering Limited, Chennai	CAD Macro Design & Solutions Pvt Ltd

List of Sample Projects

S.No	Name of the Project
1.	Design and Evaluation of Heavy-duty gear boxes and its endurance study
2.	Neural network-based control research in the path optimization of automated guided vehicle systems
3.	Automated Manufacturing Platform- Opearting Paradigm, Functional requirements in Architecture Design using AI
4.	Experimental Investigation on the application of AI for detecting defects in spare parts
5.	PLC Implementation for production management system
6.	Intelligent Driving Pattern Prediction in Truck -APC
7.	Collaborative and Intelligent Robot Systems
8.	Intelligent Warehouse Management System
9.	Manufacturing as a Service-POC
10.	Design and Detailing of Miami county detention center
11.	Design and Analysis of offshore steel Resort
12.	Design and Analysis of a Ware house
13.	Mix Design, Cube Testing, Rod Testing etc.
14.	Improvement of power factor and voltage stability using active filter
15.	Embedded IOT based Automatic power saving in industries
16.	Analytical approach of design parameter improvement in portable solar street light system
17.	Cockpit Intelligent Platform-II
18.	A smart Industry 4.0 using IoT, Big data, Data Analytics, Cloud and SAAS Technologies
19.	Effect of casting parameters on the solidification behavior of aluminium alloys
20.	Filament utilization systems (recycled 3D printing filaments)

Income of INR 5,69,00,000/- is generated through various industry sponsored projects