



Table 4.4.1. provides the details of the released amount generated in research projects during the assessment period.

Table 4.4.1. Sponsored Projects Amount Generated Year-wise

Year	2023-2024	2022-2023	2021-2022	2020-2021	2019-2020	2018-2019
Amount (in Lakhs)	65.34	74.18	100.62	15.92	33.89	34.21

Table 4.4.1. 2 delivers the faculties involved, funding agency, amount and date sanctioned for the research project.

Table 4.4.1. 2 Sponsored Projects Details

Sl. No.	Sanctioned Year	Department	Name of the faculty	Project Title	Project Type Research / Consultancy	Funding Agency	Amount in Lakhs	Sanctioned Date	Duration
1	2023	CSE	Dr. Shobha G Dr. Jyoti Shetty	Enhancing Legal Assistance through Data Enrichment using HPCC Systems		HPCC Systems LexisNexis Risk Solutions Inc	30.38	6-12-2023	Ongoing

2		CSE	Dr. Shobha G Dr. Jyoti Shetty	Implementing Conditional Cleanup after Regression Test	Research				
3		CSE	Dr. Shobha G Dr. Vishalakshi Prabhu H	Building NLP pipeline for Electronic Health Records					
4		CSE	Dr. Deepamala N Dr. Shobha G Dr. Jyoti Shetty	AI Based virtual Assistant to support primary education for rural students in regional language	Research	IITI DRISH TI CPS Foundation	10	01-06-2023	Ongoing

5		CSE	Dr. Shanta Rangaswamy Manonmani S	RESPOND-Design, Development & implementation of Real/Non real time low SNR Target detection and tracking system	Research	ISRO	24.96	31-08-2023	2023-2026
6		CSE	Dr.Nagaraja G.S	Intel FPGA University Program	Research	Intel	47.51	03-06-2023	Completed
7		CSE	Dr. Shanta Rangaswamy, Dr. Ramakanth Kumar P, Prof.Manonmani S,	Development of Deep Learning based algorithms for SAR image semantic	Research	DRDO	9.77	09-03-2023	Ongoing

			Prof.Pa vithra H	segme ntation					
8		CSE	Dr Ramak anth Kumar P, Dr Rajashr ee Shettar, Manas M N	Hackat hon, RV-AI	Research	Boeing	1	31-03-2 023	Comple ted
9		CSE	Dr. Soumy a A Dr.Anal a M.R	Design and Develo p optimiz ed GPU implem entatio n using OpenC L for non-AI progra ms in On Device AI use cases	Research	SAMS UNG	2	02-01-2 3	Comple ted
10		CSE	Dr Ramak anth Kumar, Manon mani, H	Develo pment of ML Model for Detecti on of	Research	SAMS UNG	2	02-01-2 3	Comple ted

			Pavithra	Malicious URL, App, Files					
11	2022	CSE	Dr. Shobha Prof. Girish Rao Salankhe N S Prof. Manas M N	Smart Water Meter and Volumetric Pricing	Research	NASSCOM	3.97	27-10-2022	Ongoing
12		CSE	Dr Sathish Babu Dr.Sandhya S	Quantum Key Distribution Scheme for Securing Smart Grid Communications	Research	Karnataka state council for Science and Technology	7.93	27-09-2022	Ongoing
13		CSE	Dr. Ramakanth Kumar P	Undercarriage Camera Based Vehicle Inspection System	Research	RSST	2	16-05-2022	Ongoing

14		CSE	Dr. Shanta Rangaswamy	Exploratory research on impact of Artificial Intelligence on procurement in the supply chain	Research	VTU	6	18-02-2022	Ongoing
15		CSE	Dr. Ramakanth Kumar P Prof. Pavithra H	Full Stack Development Intelligent CI/CD pipeline					
16		CSE	Prof. Manonmani S	Filament (Google Renderer) – Performance Enhancement with Shared GL Context Implem	Research	Samsung	2.66	01-02-2022	Completed

				entatio n					
17		CSE	Dr. Sandhya S Prof. Veena Gadad	Filament (Google Render er) – Perfor mance Compa rison betwee n Vulkan & Shared GL Context					
18		CSE	Dr. Shantha Rangaswamy	AI based partiti on predicti on for Essenti al Video Codec					
19		CSE	Dr. Azra Nasreen	Percept ion Model for autono mus vehicle s	Research	WIRIN	40	-	Comple ted

20		CSE	Dr. Shobha G Prof. Jyothi Shetty	Auto detect field level dependency in an ECL data workflow Analyzing Blockchain data to detect illicit transactions made using Bitcoin	Research	HPCC Systems LexisNexis Risk Solutions Inc	18.45	10-01-2022	Ongoing
21	2021	CSE	Dr. Sowmyarani C N	Data Anonymization Techniques for Mitigation of Privacy Attacks in Data Publishing	Research	Karnataka Fund for Infrastructure Strengthening in Science and Technology (KFIST)	15	11-11-2021	Ongoing

22		CSE	Dr. Deepa mala N Dr. Shobha G	AI Assisted Chatbot with Automated Form Filling to Recommend Government Schemes for Illiterate and Aged People	Research	IBM	9.91	22-10-2021	Completed
23		CSE	Dr. Ramakanth Kumar P	Automatic Traffic Violation Detection system using CCTV Cameras and Artificial Intelligence	Research	ART PARK	6.6	24-08-2021	Completed

24		CSE	Dr. Minal Mohari Dr. Deepa mala N Dr. Ramak anth Kumar P	Assess ment of Privacy Protecti on in the encrypt ed DNS Protoc ols (DoH/D oT) and extensi on of the analysi s of high-sp eed networ ks	Research	Contra ct for Acquis ition of Resear ch Servic es (CARS)	9.79	25-01-2021	Comple ted
25		CSE	Dr. Shobha G Dr. Minal Mohari r	Linux server Fault toleran ce using NetScal er HA with live monitor ing	Research	Citrix R&D India Pvt. Ltd.	2.5	20-01-2021	Comple ted
26		CSE	Dr. Nagara ja G S	Solar Cart	Research	NIAS, IISC	1.05	07-08-2020	Comple ted

2020

27 27		CSE	Dr.Ram akanth Kumar P	Migrati ng full fledge based deskto p scenari o editor to web platfor m					
28		CSE	Lalitha. V.P Manon mani.S	Buildin g V2X framew ork inside simulat or environ ment	Research	WIRIN	5	-	Comple ted
21 29		CSE	Dr Soumy a A Dr. Azra Nasree n	SDV in a Box -Simula tor Optimiz er					
30 30		CSE	Dr. T Mamat ha	Develo pment of Autoa mtic Annota tion using Mask RCNN					

31		CSE	Dr. Shobha G Dr. Poona m Ghuli	Design and Development of Machine Learning based Information Retrieval Chatbot	Research	System Consultant Information India Pvt Ltd (SCII)	3	30-06-2020	Completed
32		CSE	Dr. Rajashree Shettar	Real Time Traffic Signal Control Based on Adaptive Neuro-Fuzzy Logic for Surveillance Videos	Research	VGST	6.5	20-05-2020	Completed
33			Dr. Shobha G Prof. Jyothi Shetty	Adaptive Density Based Clustering		HPCC Systems LexisNexis Risk			
	2019	CSE			Research		21.39	19-12-2019	Completed

34				Testing GANs using the Generalized Neural Network ECL bundle and producing annotated code to add to the existing GNN bundle		Solutions Inc			
35				HPCC Analytics Query Language (HAQL)					
36		CSE	Dr. Shobha G Dr. Deepa mala N	VR Supermarket: Modelling Supermarket on a Virtual Reality	Research	SCII	3	25-08-2019	Completed

				Platform					
37		CSE	Dr. Anala M R	ChatBot Interface for SD WAN Configuration Management	Research	Citrix R&D India Pvt. Ltd.	2.5	06-02-2019	Completed
38		CSE	Dr. Mina IMohari Dr. Shobha G	Generic NetScaler Configuration Visualizer	Research	Citrix R&D India Pvt. Ltd.	2.5	6-2-2019	Completed
39		CSE	Dr. Anala M R Dr. Hemavathy R Dr. Shobha G	Artificial Intelligence based Object Movement Tracking	Research	Bharat Electronics Limited	3.45	21-2-2019	Completed
40	2018	CSE	Dr. Shobha G Prof. Jyothi Shetty	Image Processing library in HPCC	Research	HPCC Systems LexisNexis Risk Solutions Inc	14.11	18/12/2018	2018-2019
41		CSE		Extending					

				CURRE NT ML library in HPCC					
42		CSE	Dr. Anala M R	Smart app meter for Energy & Water manag ement Aided with Water and Air quality monitor ing	Research	IBM Shared Univer sity Resear ch	7.16	11/12/ 2018	2018-2 019
43		CSE	Dr. Shobha G	Water Leakag e Detecti on system	Research	IBM Shared Univer sity Resear ch	7.94	11/12/ 2018	2018-2 019
44		CSE	Prof. Azra Nasree n, Dr. Shobha G.	Share 2.0	Research	CISCO Syste ms PVT. India Ltd	1.51	1/3/20 18	2018-2 019

