Research and Development
Dept of CSE, RVCE

Table 1: Sponsored Projects Amount Generated Year-wise

Year	2023-2024	2022-2023	2021-2022	2020-2021	2019-2020
Amount (in Lakhs)	52.44	74.18	100.62	15.92	33.89

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

Table 2: Sponsored Projects Details

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
1	2023	Dr. Shobha G Dr. Jyoti Shetty	Enhancing Legal Assistance through Data Enrichment using HPCC Systems	HPCC Systems LexisNexis Risk Solutions Inc	30.38	30.38	6-12-2023	Ongoing
2		Dr. Shobha G Dr. Jyoti Shetty	Implementing Conditional Cleanup after Regression Test					
3		Dr. Shobha G Dr.Vishalakshi Prabhu H	Building NLP pipeline for Electronic Health Records					
4		Dr. Shanta Rangaswamy	RESPOND- Design, Development & implementation of Real/Near real time low SNR Target detection and tracking system	ISRO	22.06	6.78	31-08-2023	2023-2026
5		Dr.Nagaraja G.S	Intel FPGA University Program	Intel	47.51	47.51	03-06-2023	Completed
6		Dr. Shanta Rangaswamy, Dr. Ramakanth	Development of Deep Learning based algorithms for SAR image semantic segmentation	DRDO	9.77	9.77	09-03-2023	Ongoing

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
		Kumar P, Prof.Manonmani S, Prof.Pavithra H						
7		Dr Ramakanth Kumar P, Dr Rajashree Shettar, Manas M N	Hackathon, RV-AI	Boeing	1.00	1.00	31-03-2023	Completed
8		Dr. Soumya A Dr.Anala M.R	Design and Develop optimized GPU implementation using OpenCL for non-AI programs in On Device AI use cases	SAMSUNG	2.00	-	02-01-23	Completed
9		Dr Ramakanth Kumar, Manonmani, H Pavithra	Development of ML Model for Detection of Malicious URL,App, Files	SAMSUNG	2.00	-	02-01-23	Completed
10		Dr. Shobha Prof. Girish Rao Salanke N S Prof. Manas M N	Smart Water Meter and Volumetric Pricing	NASSCOM	3.97	-	27-10-2022	Ongoing
11	2022	Dr Sathish Babu Dr.Sandhya S	Quantum Key Distribution Scheme for Securing Smart Grid Communications	Karnataka state council for Science and Technology	7.93	2.00	27-09-2022	Ongoing
12		Dr. Ramakanth Kumar P	Undercarriage Camera Based Vehicle Inspection System	RSST	2.00	2.00	16-05-2022	Ongoing
13		Dr. Shanta Rangaswamy	Exploratory research on impact of Artificial Intelligence on procurement in the supply chain	VTU	6.00	1.50	18-02-2022	Ongoing

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
14		Dr. Ramakanth Kumar P Prof. Pavithra H	Full Stack Development | Intelligent CI/CD pipeline	Samsung	2.66	2.66	01-02-2022	Completed
15		Prof. Manonmani S	Filament (Google Renderer) – Performance Enhancement with Shared GL Context Implementation					
16		Dr. Sandhya S Prof. Veena Gadad	Filament (Google Renderer) – Performance Comparison between Vulkan & Shared GL Context					
17		Dr. Shantha Rangaswamy	AI based partition prediction for Essential Video Codec					
18		Dr. Azra Nasreen	Perception Model for autonomus vehicles	WIRIN	40.00	40.00	-	Completed
19		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	HPCC Systems LexisNexis Risk Solutions Inc	18.45	18.45	10-01-2022	Ongoing

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
20	2021	Dr. Sowmyarani C N	Data Anonymization Techniques for Mitigation of Privacy Attacks in Data Publishing	Karnataka Fund for Infrastructure Strengthening in Science and Technology (KFIST)	15.00	7.50	11-11-2021	Ongoing
21		Dr. Deepamala N Dr.Shobha G	AI Assisted Chatbot with Automated Form Filling to Recommend Government Schemes for Illiterate and Aged People	IBM	9.91	9.91	22-10-2021	Completed
22		Dr. Ramakanth Kumar P	Automatic Traffic Violation Detection system using CCTV Cameras and Artificial Intelligence	ART PARK	6.60	6.60	24-08-2021	Completed
23		Dr. Minal Moharir Dr. Deepamala N Dr. Ramakanth Kumar P	Assessment of Privacy Protection in the encrypted DNS Protocols (DoH/DoT) and extension of the analysis of high-speed networks	Contract for Acquisition of Research Services (CARS)	9.79	7.37	25-01-2021	Completed
24		Dr. Shobha G Dr. Minal Moharir	Linux server Fault tolerance using NetScaler HA with live monitoring	Citrix R&D India Pvt. Ltd.	2.50	2.50	20-01-2021	Completed
25	2020	Dr. Nagaraja G S	Solar Cart	NIAS, IISC	1.05	1.05	07-08-2020	Completed

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
26		Dr.Ramakanth Kumar P	Migrating full fledge based desktop scenario editor to web platform	WIRIN	5.00	5.00	-	Completed
27		Lalitha.V.P Manonmani.S	Building V2X framework inside simulator environment					
28		Dr Soumya A Dr. Azra Nasreen	SDV in a Box -Simulator Optimizer					
29		Dr. T Mamatha	Development of Autoamtic Annotation using Mask RCNN					
30		Dr. Shobha G Dr. Poonam Ghuli	Design and Development of Machine Learning based Information Retrieval Chatbot	System Consultant Information India Pvt Ltd (SCII)	3.00	3.00	30-06-2020	Completed
31		Dr. Rajashree Shettar	Real Time Traffic Signal Control Based on Adaptive Neuro-Fuzzy Logic for Surveillance Videos	VGST	6.50	6.50	20-05-2020	Completed
32	2019	Dr. Shobha G Prof. Jyothi Shetty	Adaptive Density Based Clustering	HPCC Systems LexisNexis Risk Solutions Inc	21.39	21.39	19-12-2019	Completed
33			Testing GANs using the Generalized Neural Network ECL bundle and producing annotated code to add to the existing GNN bundle					

Sl. No.	Sanctioned Year	Name of the faculty	Project Title	Funding Agency	Amount in Lakhs	Released Amount	Sanctioned Date	Duration
34			HPCC Analytics Query Language (HAQL)					
35		Dr. Shobha G Dr. Deepamala N	VR Supermarket: Modelling Supermarket on a Virtual Reality Platform	SCII	3.00	3.00	25-08-2019	Completed
36		Dr. Anala M R	ChatBot Interface for SD WAN Config Management	Citrix R&D India Pvt. Ltd.	2.50	2.50	6-02-2019	Completed
37		Dr.MinalMoharir Dr.Shobha G	Generic NetScaler Configuration Visualizer	Citrix R&D India Pvt. Ltd.	2.50	2.50	6-2-2019	Completed
38		Dr. Anala M R Dr. Hemavathy R Dr. Shobha G	Artificial Intelligence based Object Movement Tracking	Bharat Electronics Limited	3.45	3.45	21-2-2019	Completed