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QUALITY INDICATOR FRAMEWORK (QIF)

3.1.3 Number of departments having Research projects funded by government and non-government agencies during the year

Additional Information

Sl. No.	Department Name	Number of Research projects
1	Agricultural Engineering	2
2	Artificial Intelligence & Machine Learning	5
3	Civil Engineering	3
4	Computer Science Engineering	7
5	Electronics and Communication Engineering	6
6	Information Science Engineering	4
7	Mechanical Engineering	7
8	Physics	4

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Sl. No.	Year of Award	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/ Co-investivator	Department of Principal Investigator	Amount Sanctioned (INR in Lakhs)	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	E- Copy
KSCST Utilization Certificate									View Document
1	2024	CHARGING STATION FOR E-VEHICLE USING SOLAR WITH IOT	Mr Prasanth Kumar	Computer Science Engineering	0.05	One Year	KSCST, Karnataka	Government	View Document
2	2024	DRONE BASED DISEASE DETECTION	Dr. Chandra Naik		0.05	One Year	KSCST, Karnataka	Government	View Document
3	2024	AN INDEPENDENT AUTOMATIC SYSTEM TO DETECT THE PRESENCE OF VIOLENCE DETECTION USING DEEP LEARNING TECHNIQUE	Mr. Giridhar Gowda, Mrs. Vidya		0.05	One Year	KSCST, Karnataka	Government	View Document
4	2024	ANOMALY DETECTION IN REAL TIME SURVEILLANCE SYSTEM	Mr. Mahesh Kini, Mrs. Vidya		0.045	One Year	KSCST, Karnataka	Government	View Document

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5	2024	MACHINE LEARNING AND IOT BASED WASTE MANAGEMENT MODEL	Dr. G. Srinivasn		0.045	One Year	KSCST, Karnataka	Government	View Document
6	2023-24	Identity management system using Blockchain	Dr. Pradeep V	Information Science Engineering	0.035	One Year	KSCST, Karnataka	Government	View Document
7	2023-24	Visitor face authentication design using Open CV	Dr. Pradeep V		0.045	One Year	KSCST, Karnataka	Government	View Document
8	2023-24	Efficient message transmission using hybrid cryptography	Prof. Jayanthkumar A. Rathod		0.045	One Year	KSCST, Karnataka	Government	View Document
9	2023-24	Vein Biometric recognition on Smartphone	Ms. Lolakshi P.K		0.035	One Year	KSCST, Karnataka	Government	View Document
10	2023-24	DESIGN AND FABRICATION OF SOLAR-POWERED MANUAL CUTTING DEVICE FOR HARVESTING TEA LEAVES	Mr. Deepak Kothari	Mechanical Engineering	0.055	One Year	KSCST, Karnataka	Government	View Document
11	2023-24	HUMIDITY CONTROLLED SOLAR PEPPER DRYER	Mr. Sharathchandra Prabhu		0.055	One Year	KSCST, Karnataka	Government	View Document

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12	2024	Drone Inventory Management For Resource Mapping	Prof. Harish Kunder	Artificial Intelligence & Machine Learning	0.055	One Year	KSCST, Karnataka	Government	View Document
13	2024	The Bunk - Your Virtual Assistan	Prof. Harish Kunder		0.05	One Year	KSCST, Karnataka	Government	View Document
14	2024	Autonomous Jetbot - Explorer	Prof. Harish Kunder		0.05	One Year	KSCST, Karnataka	Government	View Document
15	2024	Maze Wanderer - Autonomous Robotic Path-Finding System	Dr. Ramesh G.		0.05	One Year	KSCST, Karnataka	Government	View Document
16	2024	Vision Assistant For Visually Impaired People	Prof. Shrikanth N. G.		0.05	One Year	KSCST, Karnataka	Government	View Document
17	2024	ANALYSIS OF DIFFERENT SLOPE FAILURE ALONG THE ROAD SECTION OF SAKLESHPUR, KARNATAKA USING ROCK MASS ANALYSIS AND KINEMATIC ANALYSIS APPROACH	Dr.H.G Umeshchandra	Civil Engineering	0.05	One Year	KSCST, Karnataka	Government	View Document

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18	2024	BREATHE EASY, DRINK PURE: ADDRESSING DUMP YARD POLLUTION AT VAMANJOOR, MANGALORE WITH PLANT-BASED REMEDIATION	Prof. SURENDRA P.		0.05	One Year	KSCST, Karnataka	Government	View Document
19	2024	LABORATORY INVESTIGATION ON MUNICIPAL INCINERATOR WASTE AS A FILLER MATERIAL IN DENSE BITUMINOUS MIX FOR ROAD CONSTRUCTION	Prof. SHANKARGIRI K. S.		0.055	One Year	KSCST, Karnataka	Government	View Document
20	2024	ANTI POACHING ALARM FOR VALUABLE TREES	Bhagyasree		0.065	One Year	KSCST	Government	View Document
21	2024	DESIGN AND IMPLEMENTATION OF SELF DRIVEN VEHICLE USING SALM TECHNOLOGY AND COMPUTER VISION - A PROTOTYPE	Dr. D V Manjunatha	Electronics and Communication Engineering	0.05	One Year	KSCST	Government	View Document
22	2024	AUTO DELIVERY BOT	Vijetha T S		0.055	One Year	KSCST	Government	View Document

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23	May - 2024	DESIGN AND FABRICATION OF INTELLIGENT ELECTROMAGNETIC BRAKES	Dr. Gurushanth B Vaggar	Mechanical Engineering	5	One Year	All India Council for Technical Education (A Statutory body under Ministry of Education, Govt. of India) MIC Scheme	Government	View Document
24	25-March -2024	Department of Mechanical Engineering research work	Dr. Kumar Swamy M C and Prof. Srinivas C S		10.64	One Year	BETA CAE System India Pvt Ltd., Bangalore	non-Government	View Document
DST-SERB-CRG Utilization Certificate									View Document
25	2022-23	Electrochemical discharge machined serpentine micro-channels in fused quartz for photo-catalytic in-situ hydrogen evolution in hydrogen fuel cells	Dr. Jayarama A (AIET-Co-PI) Dr. Richard Pinto (AIET-Co-PI)	Physics	51.2	Three years	DST-SERB-CRG	Government	View Document

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26	2021-22	Novel nano-structured photo catalyst assisted in-situ hydrogen generation in hydrogen fuel cells with laser micro-machined anode plate	Dr. Jayarama Dr. Richard Pinto	Physics	5	Two years	VTU-RGS	Government	View Document
27	2021-22	Formation of nanostructured aluminum surfaces for realising superhydrophobicity using Nd:YAG Laser	Dr. Satyanarayan Dr. Jayarama	Mechanical Engineering	12	Two years	VTU-RGS	Government	View Document
28	2023-24	Photocatalytic Generation of Green Hydrogen and Development of Novel Low Cost, High Performance Hydrogen Fuel Cell Stacks	Dr. Satyanarayan Dr. M G Dr. Jayarama A Dr. Richard Pinto		62.3	Two years	CPRI-RSoP	Government	View Document
29	2024	COMPUTATIONAL THINKING WORKSHOPS FOR RURAL SCHOLL STUDENTS	Dr. Chandra Naik	Computer Science Engineering	0.37	One Year	IEEE STEM	Non-Government	View Document

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30	2023-24	Fertilizer quality testing machine using IR Spectroscopy	Dr. Guruprasad	Electronics and Communication Engineering	13,50,000	One Year	NAIN-KITS	Government	[View Document](#)
		Graphene based field effect transistor sensor development: Heart disease diagnosis via nitric oxide and accetone gas analysis of breath	Dr. Jayaram	Physics					
		Development of automatic solar power operated rice straw bag filling machine for oyster mushroom (pleurotus florida) cultivation	Dr. Shashi Kumar	Agricultural Engineering					
		Eco-charge transforming green mobility with Tio2 photocatalysis and hydrogen fuel cells	Dr. Jayaram	Physics					
		Design and development of sensor based inter and intra row weeder for arecanut (areca catechu L)	Dr. Raju	Agricultural Engineering					

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	Agriculture intelligenct node (AI Node)- Crop recommendation and early detection of lack of nutrients and diseases using machine learning & image processing and grwoth monitoring system	Dr. Dattatreya/Prof. Pradeep Nayak	Electronics and Communication Engineering/ Information Science Engineering					
	Kannada text to braille converter device	Dr. Madhusudhan	Computer Science Engineering					
	Folding beds for patients	Prof. Sharathchandra Prabhu	Mechanical Engineering					
	Development of interlock pavers using waste plastics with the addition of APTES polymer to reduce the carbon footprint.	Dr. Guruprasad	Electronics and Communication Engineering					