

**Adi Shankara Institute of Engineering and Technology, Kalady**  
**Department of Electronics and Communication Engineering**

**External Funded Projects**

Total amount sanctioned Dtd. 5.01.2022 : Rs. 36, 44, 517/- (Thirty Seven Lakhs Forty Four thousand Five Hundred and Seventeen INR )

<b>Sl no.</b>	<b>Title of the project</b>	<b>Name of the Principal Investigator</b>	<b>Funding Agency &amp; Funding Scheme</b>	<b>Year of Sanction</b>	<b>Duration</b>	<b>Sanctioned Amount in Rupees</b>	<b>Status of completion</b>
1	Development of a Remote Cardiac Health Monitoring System For Covid'19 Patients Using Deep Learning	Dr. Bipin P R	KSCSTE	2021-22	1 year	Rs. 10,000/-	Ongoing
2	Developing a smart intelligent real time system for growth assessment and waste water treatment for a fish farm.	Er. Divya V Chandran	KSCSTE	2021-22	1 year	Rs. 9955/-	Ongoing
3	IoT Based smart environmental and controlling system	Dr. Ajay Kumar	APJ AKTU-CERD (Research Seed Money Scheme)	2021-22	1 year	Rs. 50,000/-	Ongoing
4	Development of a contactless fog computing based system for covid'19 detection and cardiac health monitoring using deep learning	Dr. Bipin P R	APJ AKTU-CERD (Research Seed Money Scheme)	2021-22	1 year	Rs. 55,000/-	Ongoing

5	smart medicine box	Dr. Ajay Kumar	KSCSTE	2021-22	6 months	Rs. 10,000/-	Ongoing
6	Design and Development of IoT assisted Wearable Device for Elderly care.	Dr.Ragesh G K	KSCSTE	2021-22	6 months	Rs. 10,000/-	Ongoing
7	Flame off	Anuroop	KSCSTE	2021-22	6 months	Rs. 10,000/-	Ongoing
8	Development of a Fog Computing bases System for Arrythmia Detection using Deep Learning.	Dr. Bipin P R	APJ AKTU-CERD (Student Project Scheme)	2020-2021	1 year	16,500	Ongoing
9	Asigurar Vida	Er. Anuroop	KSUM	2020-2021	2 year	Rs. 200000/-	Ongoing
10	Doily	Er. Divya V Chandran, Er. Arya Paul	APJ AKTU-CERD (Student Project Scheme)	2020	1 Year	Rs. 26,000	Ongoing
11	Modernization of Communication Laboratory	Head, Dept. of ECE	AICTE (MODRO BS scheme)	2019	2 Years	Rs. 18,17,000	Ongoing
12	Isolation enhancement in multi antenna systems used for5G systems using metamaterials	Er. Sreerag M	APJ AKTU-CERD (Research Seed Money Scheme)	2019	3 Years	Rs. 1,92,000	Ongoing

4	Implementation of a deep learning based waste segregation system using Computer vision and Robotics	Er. Anuroop K B	APJ AKTU-CERD (Research Seed Money Scheme)	2019	3 Years	1, 84, 500	Ongoing
5	Development of a smart portable IoT device for better diagnosis and control of asthma and COPD	Er. Arya Paul	APJ AKTU-CERD (Research Seed Money Scheme)	2019	3 Years	Rs. 1, 68, 662	Ongoing
6	LUMIA(Augmented reality)	Er. Anuroop K B	Kerala Start-up Mission (Student Project)	2019	3 Years	Rs. 1, 50,000	Ongoing
7	Baltem Gyrate	Er. Anuroop K B	Kerala Start-up Mission (Student Project)	2019	3 Years	Rs. 5,000, 00	Ongoing
8	IoT based smart inhaler	Er. Arya Paul Er.Divya V Chandran	Institution of Engineers (India) (Student Project)	2019	1 Year	Rs. 30, 000	Completed
9	IoT based plant monitoring systems	Er. Ajay kumar	Institution of Engineers (India)	2019	1 Year	Rs. 15, 000	Completed

			(Student Project)				
10	Real time waste segregation	Er. Arya Paul	Institution of Engineers (India) (Student Project)	2019	1 Year	Rs. 10,000	Completed
11	Implementation of an Autonomous Wireless Body Area Network for IoT enabled healthcare applications using wearable sensor node with solar energy harvesting	Dr. Ragesh G K	APJ AKTU-CERD (Research Seed Money Scheme)	2018	3 Years	Rs.1,145,00	Ongoing
12	Multiple Eye Diseases Detection using Deep Convolutional Neural Network	Er. Neema M	APJ AKTU-CERD (Student Project Scheme)	2018	1 Year	Rs. 23,900	Completed
13	HAUY-A Braille Assist	Er. Albins Paul, Er. Ajay Kumar	APJ AKTU-CERD (Student Project Scheme)	2018	1 Year	Rs. 26,500	Completed
14	Infinity Printer	Dr. N. Hariharan, Er. Anuroop K B	Institution of Engineers (India)(Student Project)	2018	1 Year	Rs. 15,000	Completed

