



# Adi Shankara

## INSTITUTE OF ENGINEERING AND TECHNOLOGY

Approved by AICTE & Affiliated to APJ Abdul Kalam Technological University  
Vidya Bharathi Nagar , Mattoor, Kalady, Ernakulam District, Kerala State Pin: 683574



## CRITERIA 3- Research, Innovations and Extension

### 3.1- Resource Mobilization for Research



**3.1.1 Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years**

Submitted to



**National Assessment and Accreditation Council**

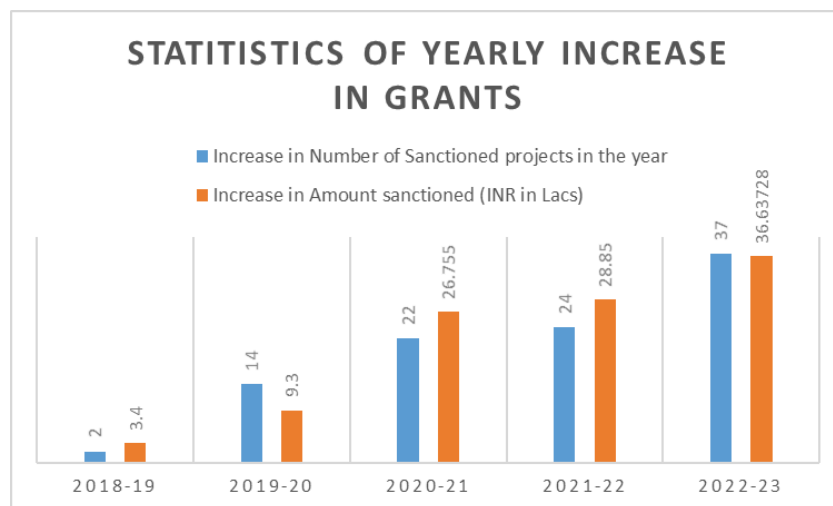
### 3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments

Adi Shankara Institute of Engineering and Technology is engaged in undertaking research projects and endowments from various government and non-government agencies. Total of 36 funded projects amounting to 38.63728 lacs (sanctioned amount) has been carried out at the institute in the last five years.

The summary of funds sanctioned is as below:

Sl No	Year	Number of Sanctioned projects in the year	Amount sanctioned (INR in Lacs)
1	2022-23	13	9.78728
2	2021-22	2	2.09500
3	2020-21	8	17.45500
4	2019-20	12	5.90000
5	2018-19	2	3.40000
<b>Total</b>		<b>37</b>	<b>38.63728</b>

#### Statistical analysis of Grants received



**Government and nongovernmental agencies for research projects / endowments in the institution during the last five years**

**2022-23**

<b>Sl. No</b>	<b>Name of the research project/ endowment</b>	<b>Amount Sanctioned</b>	<b>Name of the Funding Agency</b>	<b>Type (Government/non-Government)</b>	<b>Link to the relevant document</b>
1	Innovation and Entrepreneurship Activity Fund	2.00000	Kerala Startup Mission	Government	<a href="#">view details</a>
2	Desulphating battery charger	0.15000	IIT Dharwad, and SELCO Foundation !	NON-Government	<a href="#">View details</a>
3	Idea Grant (Reracle Waste Managemnt Solution)	0.50000	Kerala Startup Mission	Government	<a href="#">view details</a>
4	Idea Grant (Tutti Qui)	1.00000	Kerala Startup Mission	Government	<a href="#">view details</a>
5	Cluster Development	4.87000	KDISC	Government	<a href="#">view details</a>
6	Implementation of 2-way interactive digital notice board.	0.18250	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
7	Multi sensed based Regeneration systems	0.14500	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
8	Detection of DoS attack towards WiFi and IoT networks	0.17350	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
9	Counterfeit drug detection using block chain and machine learning	0.13000	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
10	Emergency assistance for paralyzed using eye blink detection	0.13325	APJ AKTU-CERD	Government	<a href="#">view details</a>

			(Student Project Scheme)		
11	3D Printing Filament from Waste Plastic	0.19000	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
12	Development of landslide prediction system	0.19150	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
13	Estimation of congestion cost evaluation and solution	0.12153	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>

**2021-22**

<b>Sl. No</b>	<b>Name of the research project/ endowment</b>	<b>Amount Sanctioned</b>	<b>Name of the Funding Agency</b>	<b>Type (Government /non-Government)</b>	<b>Link to the relevant document</b>
1	Improved Design of Conventional IC Engine Based Vehicle into Hybrid Fuel Vehicle for Fuel Economy	0.09500	KSCSTE	Government	<a href="#">view details</a>
2	Innovation and Entrepreneurship Activity Fund	2.00000	Kerala Startup Mission	Government	<a href="#">view details</a>

**2020-21**

<b>Sl. No</b>	<b>Name of the research project/ endowment</b>	<b>Amount Sanctioned</b>	<b>Name of the Funding Agency</b>	<b>Type (Government /non-Government)</b>	<b>Link to the relevant document</b>
1	Development of retaining structures using GSB	5.00000	Quality Metals	Non-Government	<a href="#">view details</a>
2	Consultancy service for the development of Church Bells App	0.08500	Edith Industries	Non-Government	<a href="#">view details</a>

3	Production work for mechanical ventilator to overcome Covid 19 crisis	1.50000	PGIM India Mutual Funds and KSUM	Non-Government	<a href="#">view details</a>
4	Consultancy service for the development of Biofloc Fish farm Controller	0.15000	RIOD Logic Pvt.Ltd	Non-Government	<a href="#">view details</a>
5	Development of Virtual Event Management Platform (IEDC Submit 21)	3.00000	Kerala Startup Mission	Government	<a href="#">view details</a>
6	Innovation and Entrepreneurship Activity Fund	2.00000	Kerala Startup Mission	Government	<a href="#">view details</a>
7	Idea Grant(OA generator)	0.72000	Kerala Startup Mission	Government	<a href="#">view details</a>
8	Business Incubation Center Funding	5.00000	KSIDC - TBI Fund	Government	<a href="#">view details</a>

**2019-20**

<b>S. No</b>	<b>Name of the research project/ endowment</b>	<b>Amount Sanctioned</b>	<b>Name of the Funding Agency</b>	<b>Type (Government/non-Government)</b>	<b>Link to the relevant document</b>
1	Smart Cooking Stove Patent Documentation service.	0.06000	Machbee	Non-Government	<a href="#">view details</a>
2	Charity Monk Web app development	0.10000	PenserLabs	Non-Government	<a href="#">view details</a>
3	Consultancy service for the R&D of Fully automatic STP controller	0.54000	ICube Design Studio	Non-Government	<a href="#">view details</a>
4	Consultancy service for the R&D of fully automatic AMF panel for generator(control board)	0.36000	ICube Design Studio	Non-Government	<a href="#">view details</a>

5	Consultancy service for the R&D of Mini Lift Machine	0.18000	ICube Design Studio	Non-Government	<a href="#">view details</a>
6	Consultancy service for the development of News Vision notification service	0.10000	PenserLabs	Non-Government	<a href="#">view details</a>
7	Consultancy service for the R&D of fully automatic paper bag cutting machine using PIC micro Controller	0.90000	ICube Design Studio	Non-Government	<a href="#">view details</a>
8	Zero discharge sea water to drinking	0.15000	Malayala Manorama	Non-Government	<a href="#">view details</a>
9	Doily	0.26000	APJ AKTU-CERD (Student Project Scheme)	Government	<a href="#">view details</a>
10	Innovation and Entrepreneurship Activity Fund	2.00000	Kerala Startup Mission	Government	<a href="#">view details</a>
11	Idea Grant (D Glass)	0.50000	Kerala Startup Mission	Government	<a href="#">view details</a>
12	Idea Grant(kane Fresh)	0.75000	Kerala Startup Mission	Government	<a href="#">view details</a>

**2018-19**

S. No	Name of the research project/ endowment	Amount Sanctioned	Name of the Funding Agency	Type (Government/non-Government)	Link to the relevant document
1	Customer Satisfaction Survey	2.40000	Vijaya Bank	Government	<a href="#">view details</a>
2	customer Satisfaction Survey	1.00000	Kerala Startup Mission	Government	<a href="#">view details</a>