



**Lokmanya Tilak Jankalyan Shikshan Sanstha's**

**PRIYADARSHINI COLLEGE OF ENGINEERING**

(Recognised by A.I.C.T.E., New Delhi & Govt. of Maharashtra, Affiliated to R.T.M.Nagpur University)  
Near CRPF Campus, Hingna Road, Nagpur-440 019, Maharashtra (India)  
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## **NAAC CRITERIA 3- RESEARCH, INNOVATIONS AND EXTENSION**

### **Key Indicator 3.1- Resource Mobilization for Research**

#### **METRIC NO.:-3.1.1**

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

<b>SR No.</b>	<b>Content</b>	<b>Page No.</b>
1	Summary Sheet	1
2	List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2020-21	2-3
3	List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2019-20	4-5
4	List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2018-19	6
5	List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2017-18	7
6	List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2016-17	8
7	Proof of Grants Received	9-44

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

### **Summary Sheet:**

<b>Year</b>	<b>2020-21</b>	<b>2019-20</b>	<b>2018-19</b>	<b>2017-18</b>	<b>2016-17</b>
<b>INR in Lakhs</b>	33.0	68.141	19.824	Nil	2.1
<b>Total=123.0689 lakhs</b>					

  
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### 2. List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2020-21

SR No.	Name of Grant/ Endowment Received	Grants in Lakhs	Department	Funding Agency
1	ATAL FDP on Control System : Sensor Technology	0.9300	Electrical Engineeribg	AICTE, New Delhi
2	Research proposal Scheme	23.0277	Electronics & Telecommunication	AICTE, New Delhi
3	Help4code e-Learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
4	A data mining module of fraudulent behavior in water consumption using python and Django and machine learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
5	Characterizing and Predicting early reviewers for effective product marketing on e-commerce website data mining using python Django and machine learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
6	Covid -19 patients recommendations for level of treatment using python with Django and machine learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
7	Employee info & payroll system using Python with Django & Machine Learning	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
8	Online business listing directory system using Python with Django & Machine learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
9	Smart restaurant food ordering and billing system	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
10	Live college classes & assessment based system using python with Django & machine learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
11	Find nearest ICMR based covid 19 lab in distributed network using python with Django and machine learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
12	Bank Customer Prediction System using python with Django and machine learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
13	Human resource system using python with Django & Machine Learning.	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.



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14	Distributed food ordering system using python with Django and Machine Learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
15	Movie recommendation based on emotion using python with Django and Machine Learning	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
16	Foody Cloud e-commerce using python with Django and Machine Learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
17	Student performance predicting and making growth analysis	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
18	Pneumonia predicting system using Image Processing	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
19	Staff workload monitoring system using python with Django and machine learning	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
20	Corona virus live mapping	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
21	Cancer Prediction System using python with Django & Machine Learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
22	NOVUS- Doctor Appointment System	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
23	Covid outbreak predictions system using python with Django & Machine Learning	0.0900	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
24	Multi level marketing with grocery system using python with Django & Machine Learning	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
25	News & web blog services using Django	0.0800	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
26	E-commerce website using python and Django.	0.1000	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
27	String similarity search:Hash based approach.	0.0700	Electronics & Telecommunication	APS Microtech Pvt. Ltd.
28	(RPS) Design & Development of a Universal Desiccant Grain dryer with rotating bed	6.7859	Mechanical Engineering	AICTE, New Delhi

  
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### 3. List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2019-20

SR No	Content	Grants in Lakhs	Department	Funding Agency
1	Power Generation from food waste by MFC (MODROB)	11.6033	Civil Engineering	AICTE, New Delhi
2	MODROB Modernization of Automation in production lab	8.0000	Mechanical Engineering	AICTE, New Delhi
3	Design of Electric Bicycle using solar	0.1000	Electronics & Telecommunication	SunDip Solar Num 38, Dhairyashil Society, Dabha Nagpur-440023
4	Smart LPG Trolley	0.1100	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 440010
5	Smart helmet for bike	0.1000	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 440010
6	Wireless Home automation switch board device	0.1100	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 440010
7	Solar operated purified water ATM using RFID based for rural area	0.0500	Electronics & Telecommunication	SunDip Solar Num 38, Dhairyashil Society, Dabha
8	Solar operated water cooler	0.0800	Electronics & Telecommunication	SunDip Solar Num 38, Dhairyashil Society, Dabha
9	Sign to speech for mute people	0.1100	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 440010
10	Face recognition and door opening with email alert system-Python	0.1000	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 440010
11	Face Image processing based smart bank locker-Python	0.1100	Electronics & Telecommunication	VS iformatices Pvt.ltd. L303 Parlwar aparment Gandhi Nagar Nagpur - 4400



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12	Solar panel Cooling system	0.1100	Electronics & Telecommunication	SunDip Solar Num 38, Dhairyashil Society, Dabha
13	MODROB Machine Lab, Electrical Engg.	12.0000	Electrical Engineeribg	AICTE, New Delhi
14	Smart Technology to Dispose Solid Waste through Automated Waste Collection System	1.0080	Mechanical Engineering	TATA Projects Limited, Mumbai
15	Skill and Personality Development Programme	17.3995	Electronics & Telecommunication	AICTE, New Delhi
16	Short Term training Programme Mechanical	3.3833	Mechanical Engineering	AICTE, New Delhi
17	Short Term training Programme Mechanical	3.2087	Electronics Engineering	AICTE, New Delhi
18	MODROB	6.8628	Electronics & Telecommunication	AICTE, New Delhi
19	Consultancy	0.1958	PCE, Nagpur	SAN PRINDTS PVT.LTD
20	Research Scheme Assistance of S&T	3.5000	Electronics & Telecommunication	Rajiv Gandhi Science and Technology Commission

  
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## NAAC CRITERIA 3- RESEARCH, INNOVATIONS AND EXTENSION

### 4. List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2018-19

SR No	Content	Grants in Lakhs	Department	Funding Agency
1	MODROB Electrical	10.5800	Electrical Engineeribg	AICTE, New Delhi
2	PRERNA SCHEME FOR SC/ ST STUDENTS DEVELOPMENT	7.8540	Mechanical Engineering	AICTE, New Delhi
3	Unnat Bharat Abhiyan	0.5000	Electronics Engineering	AICTE, New Delhi
4	Minor Projects	0.0300	Electronics Engineering	Embedded Creative design solutions Pvt Ltd,Nagpur
5	Interdisciplinary Projects	0.0800	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
6	Industry sponsored Projects	0.0800	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
7	Students Research Projects (other than compulsory by the College)	0.0700	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
8	Industry Sposored Project Street LED Light Testing Machine	0.1000	Electronics & Telecommunication	SunDip Solar Num 38, Dhairyashil Society, Dabha
9	Industry sponsored ProjectsDigital charge controller using solar panel arduino based weathe station	0.1000	Electronics & Telecommunication	V.S. Informatic Private Limited,Nagpur
10	Industry sponsored ProjectsDigital water meter	0.0800	Electronics & Telecommunication	.V.S. Informatic Private Limited,Nagpur
11	Minor Projects	0.0500	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
12	Interdisciplinary Projects	0.1000	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
13	Industry sponsored Projects	0.1000	Electronics Engineering	Embedded Creative design solutions Pvt Ltd,Nagpur



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14	Students Research Projects (other than compulsory by the College)	0.1000	Electronics Engineering	Embedded Creativedesign solutions Pvt Ltd,Nagpur
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### 5. List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2017-18

SR No.	Content	Grants in Lakhs	Department	Funding Agency
1	NIL	NIL	-	

  
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### 6. List of Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the 2016-17

SR No.	Content	Grants in Lakhs	Department	Funding Agency
1	Iron Based Perovskite Type Catalysts From Rust” granted in the framework of the program GRAMMA” DI RICERCA STM 2016” at ISMN-CNR, Palermo, Italy	2.1000	First Year, Applied Chemistry	CNR-ISMN ITALY

  
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