

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)

S.No.	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co- investigator	Department of Principal Investigator	Session	Amount Sanction ed	Duration of the project	Name of the Funding Agency	Type (Government/ non- Government)	LINK
1	Hands gesture control metal Detector using arduino atmega controller	Dr. O. P. Sharma	Department of Electronics & Communication Engineering	2017-18	13750	5 Years	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.1.pdf
2	Advancement in wireless and optical fiber lab	Dr. O. P. Sharma	Department of Electronics & Communication Engineering	2017-18	1146550	2 years	AICTE-MODROB	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.2.pdf
3	CNC plotter machine using arduino	Dr. O. P. Sharma	Department of Electronics & Communication Engineering	2017-18	13000	5 Years	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.3.pdf
4	A study of the fixed point theory and application via fractional calculus	Dr. Shilpi Jain	Department of First Year	2017-18	660000	3 years	SERB (DST)	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.4.pdf
5	Moral Values, Ethics, Behavioral Science & Attitude	Dr. B. K. Sharma	Department of Mechanical Engineering	2017-18	500000	2 years	AICTE STTP-RIFD	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.5.pdf
6	Performance Analysis of Solar Operated Milk Refrigerator using Hybrid Nanomaterials	Mr. Shailendra Kasera	Department of Mechanical Engineering	2017-18	340000	1 year	ASHRAE	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.6.pdf
7	Advanced Microwave Engineering lab	Dr. Garima Mathur	Department of Electronics & Communication Engineering	2017-18	1441000	2 years	AICTE-MODROB	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.7.pdf
8	The Ambulance Tracking with Patient Health Monitoring System	Mr. Durgesh Kumar	Department of Electronics & Communication Engineering	2017-18	11000	1 Year	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.8.pdf
9	The Vehicle Accident Detection with Vibration using Arduino	Mr. Durgesh Kumar	Department of Electronics & Communication Engineering	2017-18	10000	1 Year	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.9.pdf

10	The Brain Controller Device using BCI(Brain Computer Interface)	Mr. Durgesh Kumar	Department of Electronics & Communication Engineering	2017-18	13000	1 Year	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.10.pdf
11	Smart Campus	Dr. Garima Mathur	Department of Electronics & Communication Engineering	2017-18	11300	1 Year	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.11.pdf
12	Voice controlled intelligence home demotics using programmable device	Murari Kumar	Department of Electronics & Communication Engineering	2017-18	13450	1 Year	DST, GOR	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.12.pdf
13	Advancement in Power System and Power Electronics	Dr. Virendra Swaroop Santani	Department of Electrical Engineering	2017-18	430000	One week	RTU(ATU) TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.13.pdf
14	Outcome Based Education	Mr. Rajveer Marwal	Department of Electronics & Communication Engineering	2017-18	35000	2 Day	RTU(ATU) TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.14.pdf
15	Solar Based Controller Food Dryer	Dr.Arun Behrui	Department of Mechanical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.15.pdf
16	Automatic Street Light Control by Vehical and Electricity Generated by Solar Wind and Piezo	Mr. Brijraj Singh	Department of Electrical Engineering	2017-18	11000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.16.pdf
17	Solar Powered auto irrigation Syatem	Dr. Sunil Kr. Gupta	Department of Electrical Engineering	2017-18	12500	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.17.pdf
18	Arduino controlled human body temperature stabilizer jacket for workers and armed forces	Mr. Asif Iqbal	Department of Electrical Engineering	2017-18	13900	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.18.pdf
19	Andriod Operated Intelligent Free Extinguishing Vehicle	Dr. Chetan Khemraj	Department of Electrical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.19.pdf
20	Power Generation using Rack & Pinion	Mr. Krishna Kant Katara	Department of Electrical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.20.pdf
21	Waiterless Automated Hotel System	Dr.Neeraj Tiwari	Department of Electrical Engineering	2017-18	10000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.21.pdf

22	Detection Power Grid Synchronization Faliure on sensing frequency or voltage beyond exchange range	Mr. Amba lal Mathur	Department of Electrical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.22.pdf
23	Reduction of load on grid by solar water pumping syatem	Ms. Deepika Chauhan	Department of Electrical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.23.pdf
24	Standing Wheel Chair	Mr. Sanjay Kumawat	Department of Mechanical Engineering	2017-18	15000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.24.pdf
25	Vechile traffic monitoring syatem for traffic signals	Ms. Loveleen Kumar	Department of Electronics and Communication Engineering	2017-18	13500	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.25.pdf
26	Analysis and storage of political review	Manish kr. Sharma	Department of Computer Engineering	2017-18	12600	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.26.pdf
27	Intelligent Farming	Dr.Sunil Farming	Department of Computer Engineering	2017-18	13000	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.27.pdf
28	Air pollution monotoring syatem(IoT Based)	Md. Nawaid Anjum	Department of Computer Engineering	2017-18	14867	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.28.pdf
29	Automated traffic law enforcement and vehicle identification	Shalini Puri	Department of Computer Engineering	2017-18	14500	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.29.pdf
30	Performance enchancement of desert cooler by controlling the water flow rate through water pads	Mr. Amit Mandal	Department of Mechanical Engineering	2017-18	11900	1 Year	DST	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.30.pdf
31	Advancement in Artificial Intelligence and Deep learning Lab	Dr. AJAY KHUNTETA	Department of Computer Engineering	2018-19	1000000	2 years	AICTE-MODROB	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.31.pdf
32	Machine Learning & Deep Learning: Research & Application Prospective	Dr. AJAY KHUNTETA	Department of Computer Engineering	2018-19	256666	6 Days	AICTE STTP-RIFD	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.32.pdf

33	STTP on Eclectic Research Trends in Manufacturing	Dr. JAYANT PUROHIT	Department of Mechanical Engineering	2018-19	278333	6 Days	AICTE STTP-RIFD	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.33.pdf
34	Entrepreneurship Awareness Camps 2018-19	Dr. Neeraj Tiwari	Department of Electrical Engineering	2018-19	200000	3 DAYS	DST-NIMAT Project 2018-19	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.34.pdf
35	Blood flow Detection and Monitoring using Sensory Data	Dr. Garima Mathur	Department of Electronics & Communication Engineering	2019-20	240000	1 year	TEQIP-III/RTU	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.35.pdf
36	Activity monitoring and unusual activity detection for Elderly Homes	Dr. Mahesh Bunde	Department of Computer Engineering	2019-20	240000	1 year	RTU	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.36.pdf
37	Advanced Artificial Intelligence & Computer Vision Lab	Dr. AJAY KHUNTETA	Department of Computer Engineering	2019-20	1373725	2 years	AICTE-MODROB	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.37.pdf
38	AI & 5G Communication Technology	Dr. Garima Mathur	Department of Electronics & Communication Engineering	2019-20	381667	6 Days	AICTE-STTP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.38.pdf
39	Borla: Brint on the real lady armor	Dr. Shuchi Dave	Department of First Year	2019-20	200000	1 Year	TEQIP-III/RTU	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.39.pdf
40	Developing R & D Culture in Educational Institutes through Project Based Learning	Dr. Himani Goyal Sharma	Department of Electrical Engineering	2019-20	318333	6 Days	AICTE STTP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.40.pdf
41	RESEARCH METHODOLOGY & DATA ANALYSIS	Mr. Balwan Sheshma	Department of Civil Engineering	2019-20	315000	5 Days	RTU/TEQIP-III	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.41.pdf
42	Ubiquitous Computing & Wireless Sensor Networks	Dr. Om Prakash Sharma/ Dr. AJAY KHUNTETA	Department of Electronics & Communication Engineering	2019-20	263000	6 Days (16/9/2019-21/9/2019)	AICTE Sponsored STTP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.42.pdf
43	IoT enabled wireless monitoring & predict system for heart patients to prevent fatal heart attack	Mr. Sandeep Bhargava	Department of Computer Engineering	2019-20	240000	1 Year	RTU	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.43.pdf

44	Student Induction	Dr. Himani Goyal , Dr. Yashpal	Department of Electrical Engineering	2019-20	73345	4 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.44.pdf
45	Sustainable Building Approaches and Practices	Mr. RituRaj Singh Rathore	Department of Civil Engineering	2020-21	10000	3 Days	RTU(ATU) TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.45.pdf
46	Mobile Robotics and Internet of Things	Dr. Payal Bansal	Department of Electronics & Communication Engineering	2020-21	45000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.46.pdf
47	Sustainable Cities and Infrastructure	Harshvardhan S. Chauhan	Department of Civil Engineering	2020-21	30000	3 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.47.pdf
48	Recent Advancement in Power Electronics, drive and Renewable Energy	Dr.Virendra Sangtani	Department of Electrical Engineering	2020-21	50000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.48.pdf
49	Trends and Applications in Machine learning and Deep Learning	Dr. Neelam Chaplot	Department of Computer Engineering	2020-21	25000	2 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.49.pdf
50	Cyber Security and Cyber Forensics	Mr.Sanjay Bhargava	Department of Computer Engineering	2020-21	70000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.50.pdf
51	Machine Learning and Deep Learning Techniques with its Application	Dr. Tarun Varshney	Department of Electrical Engineering	2020-21	55000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.51.pdf
52	Advancements in Signal Processing and Optimization Techniques in WSN	Dr. Anila Dhingra	Department of Electronics & Communication Engineering	2020-21	45000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.52.pdf
53	Alternative Fuels	Dr. Narayan Lal Jain	Department of Mechanical Engineering	2020-21	30000	2 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.53.pdf
54	Industry 4.0	Dr. Yashpal Kaushik	Department of Mechanical Engineering	2020-21	50000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.54.pdf

55	Container Orchestration and Automation in software development using kubernetes and openshift	Mr Sandeep Bhargav	Department of Computer Engineering	2020-21	70000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.55.pdf
56	Renewable Energy	Dr.Raj Kumar Satankar, Dr. Narayan Lal Jain	Department of Mechanical Engineering	2020-21	50000	5 Days	RTU TEQIP-III FDP	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.56.pdf
57	UDAAN AEROMODELLING CLUB	Dr.Payal Bansal	Department of Electronics & Communication Engineering	2021-22	100000	2 Years	AICTE-MODROB	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.57.pdf
58	Artificial Intelligence in Cooperative Noma (5G) Network	Dr.Garima Mathur	Department of Electronics & Communication Engineering	2021-22	93,000	6 Days	AICTE-ISTE	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.58.pdf
59	Advances in Power Generation from Renewable Energy Sources	Dr. Praveen Sonwane	Department of Electrical Engineering	2021-22	93,000	6 Days	AICTE-ISTE	Government	http://www.pce.poornima.org/NAAC/QIF/3/3.1.1/3.1.1.59.pdf