



# POORNIMA FOUNDATION

Government of Rajasthan  
Department of Science & Technology

## **Sanctioned Rs. 6.51 Lakhs for student projects of Poornima Foundation**

### **61 projects of PF were selected out of total 222 projects from all over Rajasthan**

The Dept. of Science & Technology (Govt. of Rajasthan) takes necessary measures to promote utilization of science and technology for enhancing socio economic status of the state with its different objectives like:

- To initiate, support, promote and co-ordinate research and development projects, and programs (including demonstration projects) which help in the fruitful exploitation of the natural resources of the State through various institutions and organizations in the state.
- To vigorously foster scientific research in universities and other academic, scientific and engineering institutions; and attract the brightest young persons to careers in science and technology, by conveying a sense of excitement concerning the advancing frontiers, and by creating suitable employment opportunities for them. Also to build and maintain centers of excellence, which will raise the level of work in selected areas to the highest international standards.

To fulfill such objectives DST has sanctioned Rs. 6.51 Lakhs to our student projects of PF

### **List of Sanctioned Student Projects**

80.	AGRI-Manager	Prakhar Pandey , Sourabh Gupta	Ganpat Singh Chauhan Asst. Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 7400/-
81.	Smart City(Jaipur)	Sakshi Agarwal , Sakshi Jain , Soubhagya Nair , Tripti Sharma	Ganpat Singh Chauhan Asst. Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11500/-

82.	Schedule Lawyer	Diksha Arora , Poorva Sharma , Rajat Jain	Abhishek Jain Asst. Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11500/-
83.	Remote Device Control	Jitendra Motwani , Kopal Porwal , Lokesh Kumar , Shubham Sharma	Sunil Gupta Associate Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11000/-
84.	Online Crime Reporting & Grievances Cell	Ruchi Sharma, Sakshi Chaudhary, Sachin Khaneja, Deepti Upadhyay	Mr. Sunil Gupta Associate Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11000/-
85.	Friend Tracking System with Integrated Chat Application & Emergency Notification System	Shishir Pareek, Shubham Sharma, Rohit Sharma, Rohit Khendalwal	Mr. Abhishek Jain Asst. professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11000/-
86.	Universal Identification for Students using RFID	Sumit Choudhary, Rishab Agarwal, Shivam Khandelwal, Rohit Singhal	Dr. Ajay Khunteta Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road, Sitapura Jaipur	Rs. 11250/-
87.	Training & Placement Management System	Dipika Rani, Chandan Kumar Gupta, Parishkriti	Sh. Abhishek Jain Assistant Professor Poornima College of Engineering ISI-6, RIICO Industrial Area, Goner Road Sitapura Jaipur	Rs. 11000/-
88.	An Interactive E-Learning Android Application on Windmill with 3D Animation	Abhishek Shahji, Arpana Swarnkar	Ms. Sonakshi Mathur Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura	Rs. 5000/-

			Jaipur	
89.	Emergency portable windmill multipurpose charger	Bharat Jain, Aditya Gaur, Anshul Chauhan	Dr. Om Prakash Sharma Director Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura	Rs. 11500/-
90.	Three Phase Fault Analysis with Autoreset on Temporary Fault and Trip Otherwise	Rawan Chaudhary, Kumar Vikas, Rajesh Yadav	Mr. Nitin Goel Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
91.	Controlling of Elevator System Using PLC and Generation of Electricity by its Motion	Hitesh Gupta, Noopur Sharma, Ravindra Kumar	Mr. Vaibhav Jain Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
92.	Robotic Arm	Manas Nyati, Mohit Kumar Gupta, Mradul Sharma, Mohit Laddha	Dr. Om Prakash Sharma Director Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
93.	Smart Wheelchair with Height Measurement and Obstacle Identification Ability	Neeraj Sharma, Aman Mishra	Mr. Dinesh Sharma Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
94.	Speed Control of Single Phase Induction Motor is Obtained Using A Remote	Bhuvnesh Rathor, Ankush Gupta, Anil Prajapat	Mr. Harbeer Singh Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura	Rs. 11500/-

			Jaipur	
95.	RFID Based Automatic Student Attendance System	Rahul Kumar Sharma, Pratibharaj Kanwar, Sachin Kumar Khetan	Mr. Sandeep Gupta Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
96.	RFID Based Device Control and Authentication Using PIC Micro Contoller	Surbhi Sharma, Shilpa Soni, Vijay Choudhary	Mr. Tarun Mishra Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
97.	The Smart Curiosity Landrover Using Computer Interfacing	Love Swarnkar, Kush Swarnkar, Mukul Vashistha	Mr. Durgesh Kumar Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
98.	Automatic Soil Irrigation System Based on Soil Moisture Content	Ishita Goyal, Deepika Jain, Gaurav Khandelwal	Ms. Smriti Sachan Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 10000/-
99.	Home Appliances Control By Human Voice	Vandana Tiwari, Suresh Kumar Goyal, Vibha Sharda	Mr. Sandeep Gupta Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
100.	Mobile Operated Landrover Using DTMF Decoder	Chandresh Kr. Singh Deepak Kr. Kalwani, Devendra Dhakar	Ravi Kr. Jangid Assistant Professor Poornima College of Engineering ISI-6, RIICO Institutional Area, Goner Road,	Rs. 11500/-

			Sitapura	
			Jaipur	
101.	Solar Inverter Technology	Love Kumar	Mr. Vikash Kumar Saini	Rs. 11500/-
	Transfer	Pandey, Prateek	Assistant Professor	
		Alavadi,	Department of Computer	
		Pushpendra	Science & Engineering	
		Kumar Chaturvedi	Poornima College of	
			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
102.	Speed Control of DC	Avinash Mewara,	Mr. Amit Kumar Jain	Rs. 11000/-
	Motoe Using PWM	Chena Ram, Ankit	Assistant Professor	
		Jangid	Department of Computer	
			Science & Engineering	
			Poornima College of	
			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
103.	Garage Light and Security	Abhishek Shringi,	Mr. Dinesh Sharma	Rs. 11500/-
	Using DTMF	Harsh Agarwal	Assistant Professor	
			Department of Computer	
			Science & Engineering	
			Poornima College of	
			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
104.	Over Voltage or Under	Dharma Singh	Mr. Dharmendra Kumar	Rs. 6800/-
	Voltage Triping	Gurjar, Malkhan	Bansal	
	Mechanism	Saini, Sonu Sahu	Professor	
			Department of Computer	
			Science & Engineering	
			Poornima College of	
			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
105.	Foot Step Generation	Lokesh Bajia,	Dr. Om Prakash Sharma	Rs. 10900/-
	Using Piezoelectric	Naveen Poonia,	Director	
	Material	Niketani Shekhu	Department of Computer	
			Science & Engineering	
			Poornima College of	
			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
106.	Steam Boiler Control	Abhishek Pandey,	Mr. Rakesh Goyal	Rs. 11500/-
	Using Panel	Ajay Kumar	Assistant Professor	
			Department of Computer	
			Science & Engineering	
			Poornima College of	

			Engineering	
			ISI-6, RIICO Institutional	
			Area	
			Goner Road	
			Sitapura	
			Jaipur	
107.	RFID Based Automatic Toll Plaza	Satya Prakash Gupta, Satyeshu Sharma, Vaibhav Sharma	Mr. Sandeep Gupta Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11500/-
108.	Fingerprint Based Security System Using r303a Module	Harimohan Saini, Ram Kesh Gurjar, Lavendra Singh	Mr. Dharmendra Kumar Bansal Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 4700/-
109.	Red Light Violation Detection with Vehicle's Owner Identification and Fine Levy System	Sudeep Kumar Dass, Rohini Choudhary, Ratan Malav	Mr. Manish Singhal Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 10500/-
110.	High Voltage DC upto 3KV From AC By Using Diode and Capacitors in Ladder Network	Kavita Agarwal, Rintu Kumar Jaiswal, Rishi Raj	Mr. Vikash Kumar Saini Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
111.	GSM Based Automatic Energy Meter Reading	Apurva Jain, Hritul Jain, Jagmohan Singh	Mr. Nitin Goel Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
112.	Tyre Pressure Monitoring	Nimit Jain,	Mr. Amit Kumar Prajapati	Rs. 11000/-

	System Using Zigbee Technology	Nishant Solanki	Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	
113.	Monitoring System on Hospital	Om Prakash Lakshkar, Mohan Lal Choudhary, Himanshu Sharma, Devvrat Malav	Ms. Jyoti Sharma Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
114.	Student Attendance System through Mobile	Anjali Singh, Abhishek Verma, Deepshikha Pathak	Ajay Maurya Assistant Professor Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Tonk Road Jaipur	Rs. 11000/-
115.	ECOPS	Abhishek Kumar, Bablu Kumar Dhakar, Divyesh Bhatnagar	Mr. Ajay Maurya Assistant Professor Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Tonk Road Jaipur	Rs. 11000/-
116.	Hi-Tech Helmet and Bike with Foldable Canopy	Dushyant Singh Chouhan, Deepak Saini, Bhawani Shankar Sharma, Deshraj Saini	Mr. Bhanwar Veer Singh Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Tonk Road Jaipur	Rs. 11000/-
117.	Design and Development of a Booster to strengthen the mobile Network at Basement and low network areas using smart antenna	Ayush Pareek, Kaumudi Mishra, Madhusudan	Mr. Bhanwar Veer Singh Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Tonk Road Jaipur	Rs. 11500/-
118.	Refrigeration System Using Solar Energy	Shubham Yadav, Shreyansh Jain, Rupa Ram Suthar, Pradeep Jhajharia, Pawan Panchariya, Pramod Kumar	Mr. Naveen Kumar Sain Assistant Professor Deptt. of Mechanical Engineering Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Jaipur	Rs. 12000/-
119.	Utilization of Waste glass in concrete to improve its quality	Ashish Kumar Singh, Ajit Singh Attree, Akhil	Mr. Priyansha Mehra Assistant Professor Poornima Institute of	Rs. 11000/-

		haskar	Engineering & Technology ISI-2, RIICO Institutional Area, Sitapura Jaipur	
120.	Cell Phone Bbased Voted Machine	Pavan Kumar, Nikhil Sen, Mukesh Sharma, Ritesh Choudhary, Prabhat Tiwari	Mr. Rahul Pandey Assistant Professor Poornima Institute of Engineering & Technology ISI-2, RIICO Institutional Area, Sitapura Jaipur	Rs. 11000/-
121.	File Tracking and Document Management System	Anind Mathur, Anjali Patodi, Ankit Madhwani, Diksha Mishra	Mr. Amitesh Kumar Assistant Professor Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 11500/-
122.	Data transfer through LED	Jatin Sharma, Gunjit Khandelwal, Ankit Kumawat, Archit Dhoopar	Mr. Pradeep Natani Assistant Professor Deptt. of Computer Engineering Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 10000/-
123.	Robocap (Security Robot)	Monika Sharma, Nanika Gautam, Shubhra Vyas	Mr. Deepak Moud Associate Professor Deptt. of Computer Engineering Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 9000/-
124.	Gesture control keyboard	Harsh Kumar Sharma, Apoorva Jain, Ankit Saini, Amit Kumar Nirban	Mr. Deepak Moud Associate Professor Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 11000/-
125.	Police and Ambulances Regulating Traffic Program	Aniket Suman, Harsh Bhati, Ayush Jain	Mr. Anil Boyal Head Deptt. of Electrical Engineering Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 11000/-
126.	Online Thread Management System	Surbhi Sharma, Sheetal Khandelwal, Subhash Kumawat	Mr. Nouman Khan Assistant Professor Deptt. of IT Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 8500/-
127.	Obstacle Detection Stick	Shreshtha	Mr. Puneet Mathur	Rs. 11500/-



	for Blinds	Dashora, Ravata	Asst. Dean	
		Ram, Devanshu	Poornima Institute of	
		Shrivastava, Ritu	Engineering and Technology	
		Jain	Sitapura RIICO,	
			Tonk Road	
			Jaipur	
128.	Travel Food Services	Shiv Karan Saini,	Mr. Praveen Kumar	Rs. 11000/-
		Rakesh Kumar	Chandaliya	
		Yadav, Rahul	Assistant Professor	
		Kumar Dhaked	Deptt. of Computer	
			Engineering	
			Poornima Institute of	
			Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	
129.	Road Accident Prevention Unit	ITI Sharma,	Mr. Paras Bassi	Rs. 11500/-
		Abhinav Sharma,	Assistant Professor	
		Ayushi Tyagi,	Deptt. of IT	
		Prachi Agarwal	Poornima Institute of	
			Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	
130.	Online Compiler / Contest Organiser	Vaibhav Soni,	Mr. Praveen Kumar	Rs. 10000/-
		Poddar Kaushik	Assistant Professor	
		Kumar Narayan,	Deptt. of Computer	
		Renu Beniwal	Engineering	
			Poornima Institute of	
			Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	
131.	SMS Based Remote Control System	Nikhil Rai,	Ms. Kanika Phutela	Rs. 11000/-
		Shahrookh Khan,	Assistant Professor	
		Rupesh Jain	Deptt. of Computer	
			Engineering	
			Poornima Institute of	
			Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	
132.	A Budget Linux variant Android Operating System based Ultra Large Digital Touch Screen Ultra Large Classroom Display cum Writing board for Smart Future Education System	Sharad Mathur,	Mr. Sachin Chauhan	Rs. 11400/-
		Tanuj Chauhan,	Head	
		Vijay Udaywal,	Poornima Institute of	
		Udit Asopa	Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	
133.	Mobile Phone charger by simply walking	Jitendra Kumar,	Mr. Sachin Chauhan	Rs. 10400/-
		Sumer Singh	Head	
		Rathore, Vivek	Poornima Institute of	
		Kumar Singh, Shiv	Engineering and Technology	
		Prakash Khangar	Sitapura RIICO,	
			Tonk Road	
			Jaipur	
134.	Intelligent Shoes for Blind People	Annu Kumari,	Mr. Kamal Kishore Choure	Rs. 11000/-
		Divya Sharma,	Assistant Professor	
		Jayant	Poornima Institute of	
		Brahmchari	Engineering and Technology	
			Sitapura RIICO,	
			Tonk Road	
			Jaipur	

135.	Wireless Power Transmission	Ravikant Bairwa, Depak Sharma, Dinesh Singwadiya, Anil	Mr. Gaurav Srivastava Assistant Professor Poornima Institute of Engineering and Technology Sitapura RIICO, Tonk Road Jaipur	Rs. 11600/-
136	Piracy Blocking System	Mohan Lal Bairwa, Aakansha Agarwal, Payal Jain	Mr. Om Prakash Sharma Director Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 11000/-
	Office Door Automation Security System	Neha Malhotra, Parth Gupta, Nishant Nishu	Mr. Amit Kumar Sharma Assistant Professor Department of Computer Science & Engineering Poornima College of Engineering ISI-6, RIICO Institutional Area Goner Road Sitapura Jaipur	Rs. 10000/-
15.	Integrating GIS Technique in an Analysis of Road Traffic Accident in India	Jabir Khan, Indraraj Gothwal, Hemant Kumar Shara, Girija Shankar Nagar	Mr. Divya Vishnoi Deptt. of Civil Engineering Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Jaipur	Rs. 10000/-
16.	Remote Sensing and GPS based assessment of Encroachment in Ecozones of Jaipur City	Jitendra Raman, Kamlesh Saini, Lokesh Meena, Manish	Dr. P.N. Dhadhich Deptt. of Civil Engineering Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Jaipur	Rs. 11000/-
17.	Classification of Different Soil in Rajasthan and Recommendation to Improve Properties of the Weakest Soil	Anup Kumar Bunmdela, Bhawani Singh, Arvind Lamoria, Avinash Tiwari, Anuj Kumar Sharma	Mr. Pankaj Dhemia Deptt. of Civil Engineering Poornima Group of Institutions BT-1, Bio-Technology Park Sitapura Jaipur	Rs. 11000/-







