

CERTIFICATE OF RESEARCH PROJECTS SPONSORED BY GOVERNMENT BODIES

This is to certify that during the financial year 2017-18 to 2021-22, Marwadi University has been sponsored for research projects by the government bodies during the last five years as per following details yearwise.

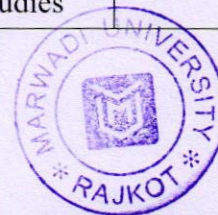
2021-22							
Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non- Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Marwadi University Jyoti CNC Automation Limited - Association for Foundry Technology	Dr Amit Sata	Centre for Entrepreneurship Development Cell	Government	Faculty of Technology	2017-18	100	5 Years
Effect of oblique non-uniform suction and injection on the global stability of the flat placck boundary layer	Dr. Ramesh Bhoraniya	SERB- CRG	Government	Faculty of Technology	2020-21	22.01	3 Years
Supercomputer PARAM SHAVAK	Prof. (Dr.) Rajendrasinh Jadeja	Gujarat Council of Science and Technology	Government	Faculty of Technology	2020-21	21	5 Years
Design and development of a fuel-flexible burner for domestic and community cooking applications	Dr. Parag Rajpara	PCRA, New Delhi	Government	Faculty of Technology	2021-22	24.93	2 Years
Rescue Support Robotics for Earthquake Situations	Dr. Rajendrasinh Jadeja, Prof. Tapankumar Trivedi	GUJCOST, Government of Gujarat	Government	Faculty of Technology	2021-22	36.17	3 Years



Stubble to Sanitary Pads (S2S) under Newcen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2021-22	1.80	1 Year
Stubble to Sanitary Pads (S2S) under Newcen IEDC grant policy	Mr Vivek Patel	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year
Quantativ Algorithmic trading using Machine Learning under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2021-22	2.50	1 Year
EDM Analytics under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Smart Multipurpose Robot under NewGen IEDC grant policy	Prof Chandrasinh Parmar	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Retrofittint of 3D Printer for Pharmaceutical printlet drug delivery system under Newcen IEDC grant policy	Dr Lalji Baldaniya	NewGen IEDC	Government	Faculty of Pharmacy	2021-22	2.50	1 Year
Linear based dual axis solar tracking system under Newcen IEDC grant policy	Dr Nikhil Chotai	NewGen IEDC	Government	Faculty of Technology	2021-22	2.50	1 Year
Linear based dual axis solar tracking system under Newcen IEDC grant policy	Dr Karan Motwani	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year



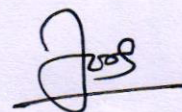
Detection of Human being trapped during Natural Disaster using UAV under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2021-22	2.50	1 Year
Detection of Human being trapped during Natural Disaster using UAV under NewGen IEDC grant policy	Dr Tapan Trivedi	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year
Portable bone fracture detector under Newcen IEDC grant policy	Dr Nikunj Rachchh	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Mushroom farming through the substrate generated by the daily biodegradable waste procured at Marwadi University Campus under NewGen IEDC grant policy	Dr Adity Saran	NewGen IEDC	Government	Faculty of Science	2021-22	2.00	1 Year
TSTV under Newcen IEDC grant policy	Prof Chandrasinh Parmar	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
SPC(Solar Panle Cleaner) under NewGen IEDC grant policy	Dr Gaurang Joshi	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
OFSTARD Construction under Newcen IEDC grant policy	Dr Tarak Vora	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
The Storyfy app under NewGen IEDC grant policy	Mr Jatin Kataria	NewGen IEDC	Government	Faculty of Management Studies	2021-22	2.00	1 Year



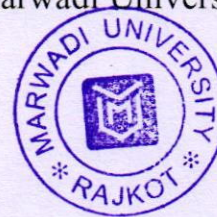
GetIntoDare under Newcen IEDC grant policy	Mr Devang Patel	NewGen IEDC	Government	Faculty of Management Studies	2021-22	2.00	1 Year
Smart Testing Lab for Bitumen under Newcen IEDC grant policy	Dr Tarak Vora	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Development of Concrete Composite for Additive Manufacturing under NewGen IEDC grant policy	Dr Ankur Bhogayta	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Zero liquid discharge for RO water or waste water under Newcen IEDC grant policy	Dr Bhavesh Kanabar	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Digital twining of Additive Manufacturing under Newcen IEDC grant policy	Dr Bhavesh Kanabar	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Multipurpose Food Making Machine under NewGen IEDC grant policy	Profe Dhaval Anadkat	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
IoT Enabled Oxygen Concentrator under NewGen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Multipurpose EV Transportation System under NewGen IEDC grant policy	Dr Amit Ved	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
KhumbPoshit under Newcen IEDC grant policy	Dr Adity Saran	NewGen IEDC	Government	Faculty of Science	2021-22	2.00	1 Year



Restoration of Eutrophic Ponds under Newcen IEDC grant policy	Dr Adity Saran	NewGen IEDC	Government	Faculty of Science	2021-22	2.00	1 Year
Restoration of Eutrophic Ponds under Newcen IEDC grant policy	Dr Archana Sharma	NewGen IEDC	Government	Faculty of Science	2021-22	0.00	1 Year
Restoration of Eutrophic Ponds under NewGen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year
Vermicompost Based cocopit for organic Farming under NewcenIEDc grant policy	Dr Archana Sharma	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Ball Slinger under Newcen IEDC grant policy	Dr Nishant Kothari	NewGen IEDC	Government	Faculty of Technology	2021-22	2.00	1 Year
Ball Slinger under NewGen IEDC grant policy	Prof UveshSipai	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year
BallSlinger under Newcen IEDC grant policy	Ms Ankita Madavia	NewGen IEDC	Government	Faculty of Technology	2021-22	0.00	1 Year



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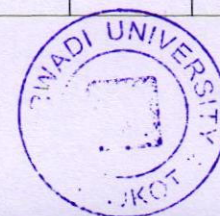


2020-21							
Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Marwadi University Jyoti CNC Automation Limited - Association for Foundry Technology	Dr Amit Sata	Centre for Entrepreneurship Development Cell	Government	Faculty of Technology	2017-18	100	5 Years
Graphene metasurface based biosensor devices	Dr. Shobhit Patel	Science & Engineering Research Board (SERB)	Government	Faculty of Technology	2019-20	17.46	2 Years
Udyog 4.0 LLP	Dr. Amit Sata	Nodal IC	Government	Faculty of Technology	2020-21	20.00	1 Year
Effect of oblique non-uniform suction and injection on the global stability of the flat placck boundary layer	Dr. Ramesh Bhoraniya	SERB- CRG	Government	Faculty of Technology	2020-21	22.01	3 Years
Supercomputer PARAM SHAVAK	Prof. (Dr.) Rajendrasinh Jadeja	Gujarat Council of Science and Technology	Government	Faculty of Technology	2020-21	21	5 Years
Prototype of Smart concrete using nano materials under Newcen IEDC grant policy	Dr Siddharth Shah	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year

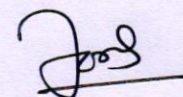
Extending application of AR/VR to Engineering Education under Newcen IEDC grant policy	Mr Vivek Patel	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Product-Manufacturing(smart Lab) under Newcen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year
Product-Manufacturing(Smart Lab) under Newcen IEDC grant policy	Prof Dhaval Anadkat	NewGen IEDC	Government	Faculty of Technology	2020-21	0.00	1 Year
Product-Manufacturing(Smart Lab) under NewGen IEDC grant policy	Mr Pinal Kantesariya	NewGen IEDC	Government	Faculty of Technology	2020-21	0.00	1 Year
Product -Topical Spray for fast Relief from Menstrual Pain under Newcen IEDc grant policy	Dr Lalji Baldaniya	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year
Solar Cell Development under NewGen IEDC grant policy	Dr Sobit Patel	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year
IntelligentInspection Device for Metal casting under Newcen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year



IoT Enabled Jewellery Casting Setup under Newcen IEDC grant policy	Dr Amit Sata	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year
Smart Blind stick under Newcen IEDC grant policy	Prof Chandrasinh Parmar	NewGen IEDC	Government	Faculty of Technology	2020-21	2.50	1 Year
Zeolite Synthesis under NewGen IEOC grant policy	Dr RitheshPalkar	NewGen IEDC	Government	Faculty of Science	2020-21	2.50	1 Year
sustainable cement products under NewGen IEDC grant policy	Dr Ankur Bhogayta	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Sustainable Geocell from Waste PET bottles under Newcen IEDC grant policy	Dr Siddharth Shah	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Solar Powered Electric Vehicle under NewGen IEDC grant policy	Dr Pinank Patel	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Solar Powered Electric Vehicle under NewGen IEDC grant policy	Dr Nikhil Chotai	NewGen IEDC	Government	Faculty of Technology	2020-21	0.00	1 Year
Development of Hydrophobic and antibacteria nano coated sanitary wares under NewGen IEDC grant policy	Dr Siddharth Shah	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year



Development of Hybrid Composite Material using Industrial Waste by Additive Manufacturing under NewGen IEDC grant policy	Dr Nikunj Rachchh	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Placement Prediction System with Machine Learning under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year
Extending application of AR/VR to Engineering Education under Newcen IEDC grant policy	Dr Amit sata	NewGen IEDC	Government	Faculty of Technology	2020-21	2.00	1 Year



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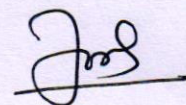


2019-20

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Graphene metasurface based biosensor devices	Dr. Shobhit Patel	Science & Engineering Research Board (SERB)	Government	Faculty of Technology	2019-20	17.46	2 Years
Medguide under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Solar Dual axis chronological tracking under NewGen IEDC grant policy	Dr Karan Motwani	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Smart Digi Farming under Newcen IEDC grant policy	Dr R B Jadeja	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Smart Home Automation under NewGen IEDC grant policy	Prof Chandrasinh Parmar	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year



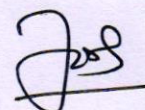
Domestic Wastewater Treatment under Newcen IEDC grant policy	Dr HirendrasinhPadiyar	NewGen IEDC	Government	Faculty of Science	2019-20	2.50	1 Year
Care Cardia under Newcen IEDC grant policy	Dr Dinesh Kumar	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Smart Classes under NewGen IEDC grant policy	Prof Chandrasinh Parmar	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Design and Development of Plug-in Hybrid Motorbike under Newcen IEDC grant policy	Dr Amit Ved	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
DigiPen under NewGen IEDC grant policy	Prof Kavan Dave	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year
Kinnect-O-Therapy under NewGen IEDC grant policy	Prof Krunal Vasani	NewGen IEDC	Government	Faculty of Technology	2019-20	2.50	1 Year



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2018-19							
Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
SMART Foundry 2020	Dr. Amit V Sata	DST	Government	Faculty of Technology	2016-17	36.2	3 Years
Marwadi University Jyoti CNC Automation Limited - Association for Foundry Technology	Dr Amit Sata	Centre for Entrepreneurship Development Cell	Government	Faculty of Technology	2017-18	100	5 Years
BIOTHON	Dr. Aditya Saran	GSBTM, Gujrat	Government	Faculty of Science	2018-19	0.5	1 Year

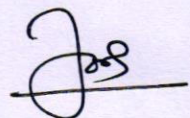


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2017-18

Name of the Scheme/Project/ Endowments/ Chairs	Name of the Principal Investigator/ Co Investigator (if applicable)	Name of the Funding agency	Type (Government/Non-Government)	Department	Year of Award	Funds provided (INR in lakhs)	Duration of the project
Evaluation of Current Control Strategy and Direct Power Control Algorithm for Shunt Active Power Filter	Dr. Rajendrasinh Jadeja, Prof. Tapankumar Trivedi	GUJCOST, Government of Gujarat	Government	Faculty of Technology	2016-17	2.3	2 Years
SMART Foundry 2020	Dr. Amit V Sata	DST	Government	Faculty of Technology	2016-17	36.2	3 Years
Marwadi University Jyoti CNC Automation Limited - Association for Foundry Technology	Dr Amit Sata	Centre for Entrepreneurship Development Cell	Government	Faculty of Technology	2017-18	100	5 Years



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