

Utilization Certificate for Seed Money Provided to Teachers

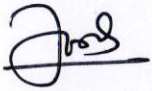
Date: 28/04/2023

Subject: Utilization Certificate for Seed Money Provided to Teachers

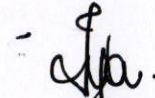
The following table shows the utilization of grant from which items/services procured under the seed support grant provided by Marwadi University.

Year	Faculty	Approved Seed Money (INR in lakh)	Status	Utilization (INR in lakh)
2021-22	Dr R B Jadeja	2.5	Completed	2.50
2021-22	Mr Chandrasinh Parmar	2.0	Ongoing	1.02
2021-22	Dr Lalji Baldaniya	2.5	Completed	2.49
2021-22	Dr Tarak Vora	2.0	Completed	2.00
2021-22	Dr Amit Sata Mr. Vivek Patel	1.8	Ongoing	1.31

I/We certify that this amount has been spent for the purpose it was meant.



Account Officer



Dean - Research
Marwadi University



Project Title: Quantitative Algorithmic trading using Machine Learning

Name of PI : Dr R B Jadeja (Mo - 9727724686)

Project Description: Stock price analysis has been a critical area of research and is one of the top applications of machine learning. Stock Price Prediction using machine learning helps you discover the future value of company stock and other financial assets traded on an exchange. The entire idea of predicting stock prices is to gain significant profits. Predicting how the stock market will perform is a hard task to do. There are other factors involved in the prediction, such as physical and psychological factors, rational and irrational behaviour, and so on. All these factors combine to make share prices dynamic and volatile. This makes it very difficult to predict stock prices with high accuracy. so they propose Algorithmic trading using Machine Learning.

Project status at beginning of the Year: Ideation

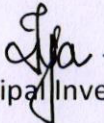
Interventions Made: Software

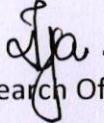
Current Status: Algorithm under development

Future Plan: They will validate algorithms for different stocks under different conditions and shall go for copyrights for the algorithm.

Date: 24/03/2022

Place: Rajkot


Principal Investigator


Research Office
Dean – Research
Marwadi University



Date: 28.04.2023

Utilization Certificate for Seed Money to Teachers

Project Title: Quantativ Algorithmic trading using Machine Learning

Year: 2021-22

Grant Sanctioned: Rs. 2.5 Lacs

Grant Utilized: Rs. 2.5 Lacs

PI: Dr. R B Jadeja

No.	Particular	Total Cost (In Rs.)
1.	Consumables – Raw materials	97,971
2.	Non-Consumables/ Equipment	62,000
3.	Miscellaneous	40,098
4.	Other Expense - Stipend / Mentorship	50,000
Total		2,50,069

I/We certify that this amount has been spent for the purpose it was meant.

Chief Account Officer



Project Title: Smart Multipurpose Robot

Name of PI: Prof Chandrasinh Parmar (Mo - 9687900500)

Project Description: Smart Multipurpose Robot is an entertainment + a friendly robot which can help and entertain persons in their daily life

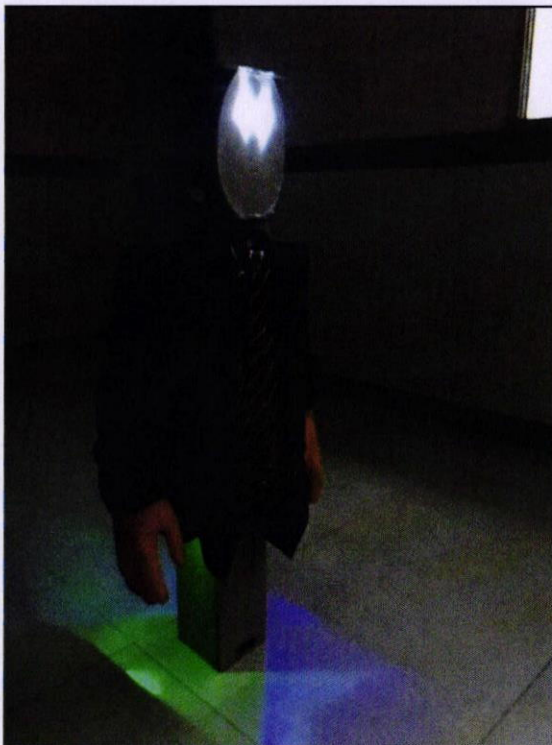
Smart Multipurpose robots can be controlled from all over the world. It can greet people, guide people and can entertain people with their key features. It is an educational robot which also helps students and faculties in their daily life.

Project status at beginning of the Year: Ideation

Interventions Made: Product - Robotics, IOT & AI


Current Status: Prototype is under trials and testing, Body work is to be done

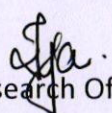
Future Plan: They shall go for copyright as well as company registration



Date: 24/03/2022

Place: Rajkot


Principal Investigator


Research Office
Dean – Research
Marwadi University



Date: 28.04.2023

Utilization Certificate for Seed Money to Teachers

Project Title: Smart Multipurpose Robot

Year: 2021-22

Grant Sanctioned: Rs. 2.0 Lacs

Grant Utilized: Rs. 1.02 Lacs

PI: Prof. C D Parmar

No.	Particular	Total Cost (In Rs.)
1.	Consumables – Raw materials	20807
2.	Non-Consumables/ Equipment	41238
3.	Miscellaneous	--
4.	Other Expense - Stipend / Mentorship	40,000
Total		1,02,045

I/We certify that this amount has been spent for the purpose it was meant.

Chief Account Officer



Project Title: Retrofitting of 3D Printer for Pharmaceutical printlet drug delivery system

Name of PI :Dr Lalji Baldaniya (Mo – 9979961431)

Project Description: We are developing a system where Medicine in a 3D Printer using SIS/SLA 3D Printer based the Body Mass Index. The quantity of particulars is calculated based on the body mass index and customized medicine will be made.

Project status at beginning of the Year: Ideation

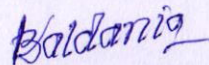
Interventions Made: Product – Pharmaceutical

Current Status: Ideation

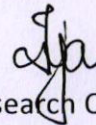
Future Plan: The process is tested and validated as per standard operating procedure. 3D Printed customized medicine based on BMI is a novel concept that can further be explored based on the opportunity available. The concept shall be protected by filing patents.

Date: 24/03/2022

Place: Rajkot



Principal Investigator



Research Office
Dean – Research
Marwadi University



Date: 28.04.2023

Utilization Certificate for Seed Money to Teachers

Project Title:Retrofitting of a 3D Printer to design printlet drug delivery system.

Year: 2021-22

Grant Sanctioned: Rs. 2.50 Lacs

Grant Utilized: Rs. 2.49 Lacs

PI: Dr. Lalji Baldaniya

No.	Particular	Total Cost (In Rs.)
1.	Consumables – Raw materials	39,147
2.	Non-Consumables/ Equipment	1,60,231
3.	Other Expense - Stipend / Mentorship	50,000
Total		2,49,378

I/We certify that this amount has been spent for the purpose it was meant for.

Chief Account Officer



Project Title: OFSTARD Construction

Name of PI :Dr Tarak Vora (Mo – 9428251877)

Project Description: The Startup is about constructing a building that will be built from the renewable source materials with zero percent pollution and after it will have low operating cost as it will generate most of the energy by itself.

Project status at beginning of the Year: Proof of Concept

Interventions Made: Product – Construction, Green Home Service

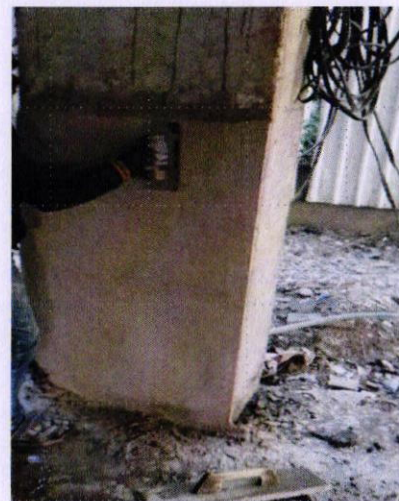
Current Status: Prototype Development

Future Plan: They planning to launch "3 Green Building material products" of their Company "OFSTARD" at "MARWADI UNIVERSITY"

Products are listed as below

- 1) Arish Finish
- 2) Lime Plaster
- 3) Lime based paint

These 3 products are currently on R&D stage as of now. These 3 products will prove to be revolutionary products because the above listed products are useful to solve the biggest problems of customer.

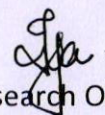


Date: 24/03/2022

Place: Rajkot



Principal Investigator



Research Office
Dean – Research
Marwadi University

Date: 28.04.2023

Utilization Certificate for Seed Money to Teachers

Project Title: OFSTARD CONSTRUCTION

Year: 2021-22

Grant Sanctioned: Rs.2.0 Lacs

Grant Utilized: Rs. 2.0 Lacs

PI: Dr Tarak Vora

No.	Particular	Total Cost (In Rs.)
1.	Consumables – Raw materials	81,609
2.	Non-Consumables/ Equipment	--
3.	Miscellaneous	3,300
4.	Other Expense – Services / Stipend	1,16,500
Total		2,01,409

I/We certify that this amount has been spent for the purpose it was meant.



Chief Account Officer



Project Title: Stubble to Sanitary Pads (S2S)

Name of PI : Dr Amit Sata (Mo – 9825217702)

Prof Vivek Patel (Mo – 7573042213)

Project Description: Globally, approx. 727 million tons of rice straw and 583 million tons of wheat straw is produced. Southern Asia contributing 215 and 194 million tons respectively. Stubble leads to pollution when burnt and if not does not generate significant income too. So, innovation proposed is to efficiently utilize the Stubble and meet the following aspects.

- Generate cellulose out of the stubble by chemical and mechanical processes.
- Prepare layers of sanitary pads using the cellulose thus generated.
- producing packaging material for pads and disposing them too.
- Generating Source of income for the farmers.

Project status at beginning of the Year: Ideation


Interventions Made: Product – Agriculture & Healthcare

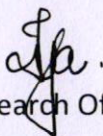
Current Status: Prototype Development

Future Plan: Testing and validation of the cellulose for different sizes and types shall be made. Shall apply for the patent for the process developed and shall also apply for design for the structure of equipments developed.

Date: 24/03/2022

Place: Rajkot


Principal Investigator


Research Office
Dean – Research
Marwadi University

Date: 28.04.2023

Utilization Certificate for Seed Money to Teachers

Project Title: Stubble to Sanitary Pads (S2S)

Year: 2021-22

Grant Sanctioned: Rs. 1.8 Lacs

Grant Utilized: Rs. 1.31 Lacs

PI: Dr. Amit Sata

No.	Particular	Total Cost (In Rs.)
1.	Consumables – Raw materials	23,331
2.	Non-Consumables/ Equipment	43,338
3.	Miscellaneous	24,752
4.	Other Expense - Stipend / Mentorship	40,000
Total		1,31,421

I/We certify that this amount has been spent for the purpose it was meant.



Chief Account Officer

