

Annexure_3.2.2

Criterion III – Research, Innovations and Extension

Key Indicator - 3.2 Resource Mobilizations for Research

Metric No. 3.2.2_ Grants for research projects sponsored by the government agencies during the last five years (INR in Lakhs)

FTLL (No. 125/2015/00021)
SCIENCE & ENGINEERING RESEARCH BOARD

2 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5 Vasant Kunj
New Delhi-110070

Dated 06-Nov-2015

ORDER

Subject: Financial Sanction of the research project titled "Molecular Expression of Maize Streak
Mastrovirus (MSV) Proteins and Their Role in The Infection Process" under the guidance of Dr. Arinash
Marwal, Mody University of Science and Technology, Lakshmanagarh Sikar Rajasthan 332311.
RAJASTHAN-332311 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned
project at a total cost of Rs. 3380000/- (Rs. Thirty Three Lakh Eighty Thousand/- Only) with break up
of Rs. 400000/- under Capital (Non-recurring) head and Rs. 2980000/- under General (Recurring) head for a
duration of three years. The items of expenditure for which the total allocation of Rs. 3380000/- has been
approved are given below:

The following budget may be considered for Mody University Of Science And Technology, Lakshmanagarh
Sikar Rajasthan 332311:

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment → 80 Degree Celsius Deep Freezer	400000
A	Total (Non-recurring)	400000
B	Recurring Items	
1	Recurring - A) (Manpower, Consumables, Travel, Contingencies)	2680000
2	Recurring - B) (Overhead Charges)	300000
B	Total (Recurring)	2980000
C	Total cost of the project (A + B)	3380000

2. Sanction of the SERB is also accorded to the payment of
Rs. 400000/- (Rupees Four Lakh only) under 'Grants for creation of capital assets' and Rs. 1000000/-
(Rupees Ten Lakh only) under 'Grants-in-aid General' to Dean-FASC, Mody University Of Science And
Technology, Lakshmanagarh Sikar Rajasthan 332311
being the first installment of the grant for the year 2015-2016 for implementation of the said research
project.

3. The expenditure involved is debitable to
Fund for Science & Engineering Research (FSER)
This release is being made under Start Up Research Grant (Young Scientist), (Life Sciences)

4. The Sanction has been issued to Mody University Of Science And Technology, Lakshmanagarh Sikar
Rajasthan 332311 with the approval of the competent authority under delegated powers on 31 October, 2015
and vide Diary No. SERB/F/6446/2015-16 dated 09 November, 2015

5. Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website
(www.serb.gov.in)

6. Overhead expenses are meant for the host institute towards the cost for providing infrastructural
facilities and general administrative support etc. including benefits to the staff employed in the project.

7. While providing operational flexibility among various subheads under head Recurring-A, it should be
ensured that not more than Rs. 1.8 lakh each should be spent for travel and contingency.

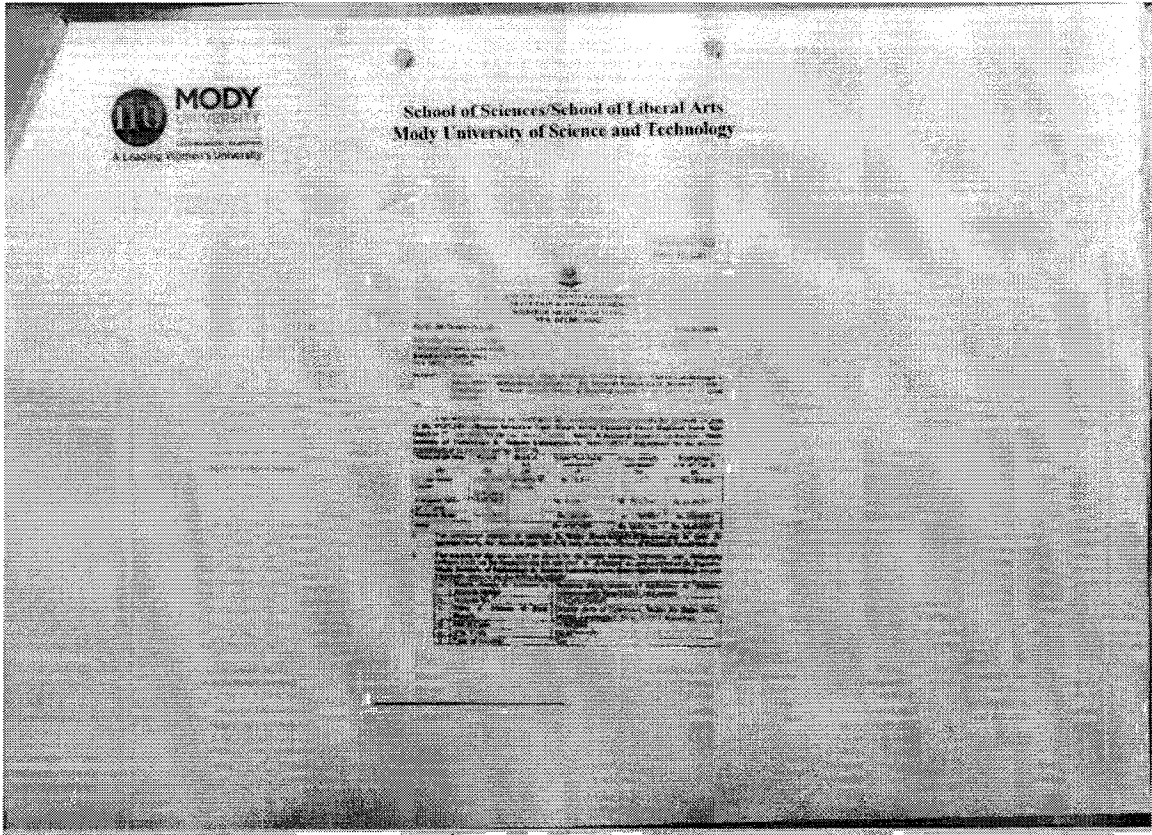
8. As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit
whenever the institute is called upon to do so.

9. The sanctioned equipment would be procured as per GFR and its disposal of the same would be done
with prior approval of SERB.

10. The release amount of Rs. 1400000/- (Rupees Fourteen Lakh only) will be drawn by the Finance &
Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details.

V/A
28/12/2015

Registrar
Mody University of Science and Technology
Lakshmanagarh-332311, Dist. Sikar (Rajasthan)



Vijeta
28/12/2024

Registrar
Mody University of Science and Technology
Lakshmangarh-332311 Dist. Sikar (Rajasthan)

FD Diary No. : 11519

Dated : 10.02.2016



**UNIVERSITY GRANTS COMMISSION
(SELECTION & AWARDS BUREAU)
BAHADUR SHAH ZAFAR MARG,
NEW DELHI-110002.**

No. F. 30-70/2015 (SA-II)

February, 2016

The Under Secretary (FD-III)
University Grants Commission
Bahadurshah Zafar Marg,
New Delhi - 110002.

24 FEB 2016

Subject: Release of Grants-in-aid to Mody University of Science and Technology, Lakshmanagarh, Sikar-332311 (Rajasthan) in respect of Dr. Rajarshi Kumar Gaur, Research Awardee, Department of Science towards Salary & Research Grant for the year 2015-2016 under Plan.

Sir,

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs. 16,51,756/- (Rupees Sixteen Lakh Fifty One Thousand Seven Hundred Fifty Six Only) as 1st year grant for the year 2015-2016 towards Salary & Research Grant to the Registrar, Mody University of Science and Technology, Lakshmanagarh, Sikar-332311 (Rajasthan) for the Plan expenditure to be incurred during 2015-2016.

Name of the Item	Period	Head of A/c	Grant Now being sanctioned	Grant already sanctioned	Total grant. (Col. 4+Col. 5)
(1)	(2)	(3)	(4)	(5)	(6)
Salary	13.03.2015	3(A)(51)	Rs.15,51,756/-	---	Rs.15,51,756/-
Research Grant	to 12.03.2016	31 Plan	Rs.1,00,000/-	---	Rs.1,00,000/-
Total			Rs.16,51,756/-	---	Rs.16,51,756/-

2. The sanctioned amount is debitable to Major Head 3(A) (51) 31 Plan and is valid for payment during the financial year 2015-16 only under the scheme of Research Award (SA-II).

3. The amount of the grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar, Mody University of Science and Technology, Lakshmanagarh, Sikar-332311 (Rajasthan) through Electronic mode as per the following details:

a.	Name & Address of Bank Branch	Oriental bank of Commerce, Seidho Ka Bazar, Main Market, Lakshmanagarh, Sikar- 332311, Rajasthan
b.	Account No.	11932091000033
c.	Type of Account	Saving A/c
d.	IFSC Code	ORBC0101103
e.	MICR Code	332022501
f.	Whether bank branch is RTGS or NEFT enabled RTGS/NEFT/Both	Yes
g.	Details (Name & Address) of Account Holder	Registrar, Mody University of Science and Technology, Lakshmanagarh, Sikar-332311 (Rajasthan)

V/S t
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmanagarh-332311 Dist-Sikar (Rajasthan)

19. An amount of Rs. Nil out of Rs. Nil has been utilized sanctioned vide this office order of even number dated Nil by the university for the purpose for which it was sanctioned and noted in grant in aid register at Page. No. Nil & S. No. Nil.
20. Future grant will be released on receipt of Statement of Expenditure/Utilization Certificate (Item-wise).
21. This issues with the concurrence of IFD vide Diary No. 6686 dated - 04.01.2016.
22. This issues with the approval of the Secretary vide Diary No. 54144 dated 20.01.2016.
23. Entry has been made in BCR at Page No. 121 and S. No. 107.

Yours faithfully,

(Kundla Mahajan)
Under Secretary

Copy forwarded for information and necessary action for:-

1. The Registrar,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
2. Dr. Rajarshi Kumar Gaur
UGC-Research Awardee
Department of Science,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
3. The Head,
Department of Science,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
4. Office of the Director General of Audit,
Central Revenues, AGCR Building, I.P. Estate, New Delhi.
5. Guard File

(D. S. Bhatnagar)
Section Officer

V/S
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmangarh-332311 Dist-Sikar (Rajasthan)



Birla Institute of Technology & Science, Pilani

Pilani | Dubai | Goa | Hyderabad

Ernest Samuel Ratnakumar J, Registrar

Ref No: SRC/DST/MS Dasgupta

Date: 25-11-2020

To Whom It May Concern

With reference to the DST Sanction order no. DST/TDT/AGRO-41/2019(C) dated 30.9.2020, this is to certify that **Dr. Sanjeev Jakhar**, Assistant Professor, Mechanical Engineering, Mody University of Science and Technology Lakshmangarh, Sikar, Rajasthan is associated with the following Project as a Co-PI

Project Details are:-

Project Title:- *Analysis, Design and Development of Low Cost Cold Storage for Selected Agriculture Products Based Fully on Solar and Geothermal Energy*

Total Project cost:- Rs. 47,03,400 (Forty -Seven Lakh, Three Thousand and Four Hundred only)

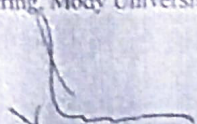
Funding Agency:- Ministry of Science and Technology, Department of Science and Technology (DST), New Delhi, (Technology Development and Transfer)

Sanction Number:- DST/TDT/AGRO-41/2019

Project Duration:- 14 October, 2020 to 13 October 2022

PI of Project:- Prof. M. S. Dasgupta, Mechanical Engineering, BITS Pilani, Pilani Campus.

Co-PI of Project:- Dr. Sanjeev Jakhar, Assistant Professor, Mechanical Engineering, Mody University of Science and Technology Lakshmangarh, Sikar, Rajasthan


(REGISTRAR)
REGISTRAR

Birla Institute of Technology & Science
PILANI (Rajasthan)

BITS Pilani, Pilani Campus
Vidya Vihar
Pilani - 333 031
Rajasthan, India

Tel (O): +91 1596 516310, 296298
Fax: +91 1596 244103
Email: registrar@pilani.bits-pilani.ac.in

Scanned by CamScanner

V/S
28/12/2021

Mody University of Science and Technology
Lakshmangarh-332311, Dist-Sikar (Rajasthan)

Project Description

Title of the project: A collaborative approach for building a Research Dataspace System for an organization

Project Detail: -

Roles and Responsibilities	Topic	Funding Agency	Amount	Year/Duration of Project Completion.
PI- Dr. Mrityunjay Singh, Bundelkhand Institute of Engineering & Technology Jhansi, UP Co-PI- Dr. Niranjan Lal, Mody University of Science and Technoogy, Sikar, Rajasthan Application No- 1-5738052191	A collaborative approach for building a Research Dataspace System for an organization	Under Collaborative Research Scheme (CRS), AICTE New Delhi	Rs. 1176000	2019/ 1 Year

Objective of the project

The main objective of our research proposal is to build a research dataspace system using the collaboration among the researchers working in different areas within an organization/institute. Even though, several proposals like researchgate are in existence though most of them are available in public domain and not able to heterogeneity among data. Therefore, in this project, we plan to develop a research dataspace management system for efficient management of research database and providing interaction among the researchers within an organization/institute.

Expected Outcomes:

- Interface for the researches within organization,
- Sharing of ideas, and resources like research papers, articles, code, etc.,
- A discussion forum for the researchers,
- Provides information about journals, conferences, workshop, symposium etc.

V. D. T.
28/12/2021

Registrar
Mody University of Science and Technology
Laksmangarh-332311 Dist.-Sikar (Rajasthan)

S. No.	Faculty ID	Application No.	Name of PI	Name of the Institute	Domain	Project Budget (Rs.)
48	1-5746915621	1-5740344761	Mr. MOHAMMAD PANDIT	ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY	Information & Communication Technology	1137000
49	1-4710077564	1-5728037724	Mr. BALRAM CHOUDHARY	GOVT. MAHILA ENGINEERING COLLEGE AJMER	Any other	973000
50	1-5746074499	1-5764084542	Ms. RUKMANI SINGH	MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY	Any other	1100000
51	1-3735516173	1-5748518224	Mr. JUAN CHOWDHURY	ASSAM ENGINEERING COLLEGE	Nanotechnology Hardware	1460000
52	1-4618411442	1-5728344571	Mr. MANISH SINGH	MOTIHARI COLLEGE OF ENGINEERING, MOTIHARI	Materials - Advanced	1167000
53	1-5744677286	1-5759258014	Mr. IDRIS SHAH	ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY	Any other	1490000
54	1-4252706347	1-5748322071	Mr. PARTHA SAMA	HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR	Any other	1580000
55	1-3736866405	1-5740698934	Mr. BIBHUTI BHARDWAJ	ASSAM ENGINEERING COLLEGE	Any other	1975000
56	1-4658175726	1-5738545131	Mr. PARAG TALUKDAR	JORHAT ENGINEERING COLLEGE	Energy	448000
57	1-4496017822	1-5738052191	Dr. MRITYUNJAY SINGH	BUNDELKHAND INSTITUTE OF ENGINEERING & TECHNOLOGY JHANSI	Information & Communication Technology	1176000
58	1-4523692205	1-5730445457	Mr. PADAM OMAR	MOTIHARI COLLEGE OF ENGINEERING, MOTIHARI	Water Resources	1592000
59	1-4913426618	1-5740808181	Mr. BABALU KUMAR	INSTITUTE OF ENGINEERING & TECHNOLOGY, AGRA	Materials - Advanced	945000
60	1-3693445103	1-573736128	Dr. ANUJ BAIPAI	BIRLA INSTITUTE OF TECHNOLOGY	Energy	1081000
61	1-3639252751	1-5728190401	Mr. SUMAN RANJAN	B I T SINDRI	Materials - Advanced	1496000
62	1-3644014669	1-5728530711	Mr. MUKESH TILWANI	MV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Materials - Advanced	1235000
63	1-3672586140	1-5727990531	Mr. NISHIT BEDI	UJAIN ENGINEERING COLLEGE (FORMERLY GOVT. ENGG. COLLEGE ESTB. IN 1966)	Energy	801000
64	1-3675646719	1-5727945531	Mr. AKASH SHUKLA	UJAIN ENGINEERING COLLEGE (FORMERLY GOVT. ENGG. COLLEGE ESTB. IN 1966)	Energy	615000
65	1-3695220803	1-5693966051	Mr. SACHIN SINGH	GOVERNMENT ENGINEERING COLLEGE JHALAWAR	Environment	1762000
66	1-4496440624	1-5737317011	Dr. YOGENDRA PRALAPATI	BIRLA INSTITUTE OF TECHNOLOGY	Energy	1658000
67	1-3667093843	1-5716866381	Miss NIKITA RANKAWAT	COLLEGE OF TECHNOLOGY AND ENGINEERING	Materials - Advanced	1540000
68	1-4526327985	1-5728212525	Dr. RAJ SINGH	REWA ENGINEERING COLLEGE REWA (MP)	Materials - Advanced	1000000
69	1-4675229529	1-5761820442	Mr. CHINDHU NARAYANE	GOVERNMENT COLLEGE OF ENGINEERING, KALAHANDI, BHAWANIPATNA	Any other	319000
70	1-3706084774	1-5727990301	Mr. A PATEL	B I T SINDRI	Materials - Advanced	843000
71	1-3666395582	1-5736443941	Mr. HIMANSHU MOHAN	COLLEGE OF TECHNOLOGY AND ENGINEERING	Any other	1103000
72	1-5735073133	1-5748333231	Mr. MAHENDRA SINGH	BIPIN TRIPATHI KUMAON INSTITUTE OF TECHNOLOGY	Any other	1557000
73	1-456965544	1-5736616956	Mr. SANJAY PATEL	MV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Any other	1258000
74	1-4643931862	1-5772916884	Mr. MOHD AHMAD	DAYALBAGH EDUCATIONAL INSTITUTE	Materials - Advanced	1148000

Vijet
28/12/2017

Registered
Mody University of Science & Technology
Lakshmanpur, Dist. Sagar (Raj.)

18th June 2019

CERTIFICATE OF SANCTION

This is to certify that a Research Proposal entitled, "To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Mr. AMARJEET .	Principal Investigator	MLV Textile & Engineering College, Bhilwara
2	Mr. NITESH CHOUHAN	Co-Principal Investigator	MLV Textile and Engineering College, Bhilwara
3	Mr. YOGESH MEENA	Co-Principal Investigator	Malaviya National Institute of Technology Jaipur
4	Ms. UMA KUMARI	Co-Principal Investigator	Mody university of science and technology, lakshmangarh

A grant of ₹814000 (Rupees Eight Lakh Forteen Thousand Only) has been sanctioned for the project, as per following details:

S.No.	Expenditure Head	Sanctioned Amount (₹)
1	Non-recurring	602002
2	Recurring	
	(i) Domestic Travel	80000
	(ii) Contingencies	66667
	(iii) Consumables	38333
	(iv) Miscellaneous	26667
	Total	814000

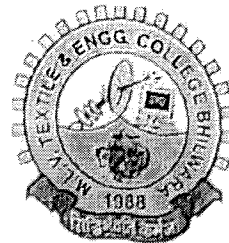
The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Vijit
28/12/2021

Prof. (Dr.) P M Khodke
Central Project Advisor

Registrar
Mody University of Science and Technology
Lakshmangarh-332311 Dist. Sikar (Rajasthan)

M.L.V. TEXTILE AND ENGINEERING COLLEGE, BHILWARA
(An autonomous institute of government of Rajasthan)



No. MLVTEC/NPIU-CRS/2019/ 59 I

Date: 13-05-2019

Certificate of Collaboration

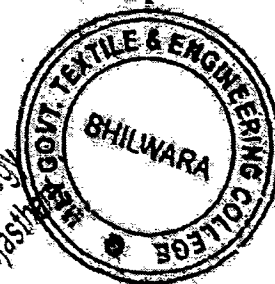
A certificate of collaboration for the research "*To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing for Minimization of the Theft*" between the Principal Investigator Sh. Amarjeet of the Host Institute/industry M. L. V. Textile & Engineering College, Bhilwara.

We the following PIs wish to work on this project. We agree to work in harmony and hereby understand that the project needs to be completed in the time-bound manner.

Co-PI-1	Sh. Nitesh Chouhan	M. L. V. Textile & Engg. College, Bhilwara
Co-PI-2	Dr. Y. K. Meena	Malaviya National Institute of Technology, Jaipur
Co-PI-3	Dr. Uma Kumari	Mody University of Science & Technology, Laxmangarh, Sikar (Rajasthan)

Under the collaborative research scheme – TEQIP III for the proposal of the grant, complying with the guidelines of AICTE and TEQIP.

S.M. U.
Principal

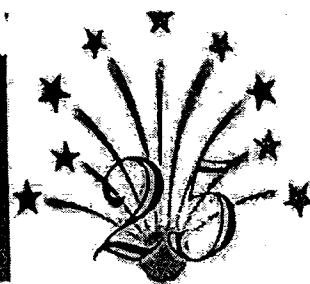


V.K. Meena
29/12/2021

Registrar

Mody University of Science and Technology
Laxmangarh-332311 Dist. Sikar (Rajasthan)

Pratap Nagar, Pur Road
Bhilwara-311001
India
+91-1482-240393
mlvti_jpl@sancharnet.in



Circular

Sub: Selection of proposals under Collaborative Research Scheme (TEQIP-III):
Announcement for Phase-I

Sir / Madam

NPIU-MHRD appreciates the overwhelming response received from TEQIP Faculty for Collaborative Research Scheme (CRS). AICTE has evaluated the proposals through a team of experts from respective areas. MHRD announces the first phase selection of research proposals and selected proposals along with the allocated funds is made available on NPIU / AICTE website.

In this connection, it is further informed that:

1. Additional proposals are under consideration and will be declared soon in Phase-2.
2. As communicated earlier, the Projects are to be planned for completion by 31st March 2020 or maximum by 30th September 2020 (if extension approved).
3. The 1st instalment of 25% of the approved budget for the Research Project will be transferred in the Institute's bank within a week after confirming the A/c details submitted by institute in the AICTE Mandate form at the time of application.
4. Though procurement is limited to 60% of the approved project cost, it may be increased maximum to 80% on the recommendation of the experts. Remaining approved budget is for recurring expenditure.
5. No international travel is permissible. The maximum admissible expenditure on domestic travel will be 15% of the project cost. It may include travel and accommodation of PI and Co-PIs and any other experts.
6. For any procurement in the program, TEQIP Purchase guidelines (World Bank guidelines) will be applicable. Also procurement through GeM must be preferred.
7. Quarterly review of the progress shall be taken and PI will be invited accordingly.
8. The revision in approved cost of the project may be considered subject to satisfactory progress of the project in next review.
9. A meeting of Principal Investigators (PIs) of the selected proposals shall be convened shortly, through a separate communication, at New Delhi to make aware the faculty about best practices, scope to scale up, expected timeline etc.

NPIU congratulates the PI & team on their selection and expects expeditious action to make the project successful by achieving committed outcomes within stipulated timeline.

NPIU-Admin

V/S
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmangarh-202141 Dist. Jharkhand (Rajasthan)

S.No.	Faculty ID	Application No.	Name of PI	Name of the Institute	DOMAIN	Approved budget (Rs.)
131	1-4364047056	1-5759407891	Dr. ASHUTOSH SINGH	INSTITUTE OF ENGINEERING & TECHNOLOGY, MJP ROHILKHAND UNIVERSITY	Information & Communication Technology	723000
	1-4871684343	1-5770264050	Mr. RAJDEEP GHOSH	GAUHATI UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY	Any other	1543000
133	1-3645881455	1-5760324171	Mr. AMARJEET	MLV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Energy	814000
134	1-3737218535	1-5722352251	Dr. NEETA THAPLIYAL	WOMEN INSTITUTE OF TECHNOLOGY	Nanotechnology Hardware	670000
135	1-3693853641	1-5754152181	Mr. VIKRAM KUMAR	GAYA COLLEGE OF ENGINEERING	Water Resources	1223000
136	1-3644548391	1-5748290941	Ms. POOJA SHARMA	B I T SINDRI	Any other	530000
137	1-3679739929	1-5748564016	Mr. SUMIT MANE	BHAGALPUR COLLEGE OF ENGINEERING, BHAGALPUR	Any other	1037000
138	1-4658175131	1-5766690481	Mr. UJJAL NATH	JORHAT ENGINEERING COLLEGE	Environment	1464000
139	1-4493805851	1-5751160861	Dr. SHAILENDRA SINGH	BUNDELKHAND INSTITUTE OF ENGINEERING & TECHNOLOGY JHANSI	Any other	657000
140	1-4727514466	1-5739421811	Ms. SHIWANGI MISHRA	JABALPUR ENGINEERING COLLEGE, JABALPUR	Any other	859000
141	1-4712974473	1-5729020611	Dr. SONU RAJAK	BIRLA INSTITUTE OF TECHNOLOGY	Manufacturing	1450000
142	1-4542133583	1-5748376682	Mr. AKSHAY MANN	SHRI MATA VAISHNO DEVI UNIVERSITY	Information & Communication Technology	552000
143	1-4858098085	1-5772929831	Dr. LALIT KUMAR	G.B.PANT INSTITUTE OF ENGINEERING AND TECHNOLOGY	Energy	565000
144	1-3660829873	1-5739402911	Ms. PARUL CHAUHAN	RAJASTHAN TECHNICAL UNIVERSITY, KOTA	Any other	1481000
145	1-3642913792	1-5758337911	Dr. NIRMALA KUMARI	UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY (UCET)	Any other	1043000

V. D. T.
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmanagarh-332011, Dist. Sikar (Rajasthan)

To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing for Minimization of the Theft

Brief of Project

With rapid increase in power demand and advancement in generation, transmission and distribution technologies pose various challenges for power sector. One of such challenges is energy theft. Energy theft is a major concern for utility. Despite preventive majors/extensive drives to curve the theft of electricity, regularize illegal connection, increased focus on quality and reliability, still country is not able to get the expected results.

We will develop a unit by which online monitoring of the meters can be done as well as power theft can be minimized. For this set-up following steps will be done:

- A. Remove meters from houses.
- B. Install MFM meters on lighting pole.
- C. Connect input (current and voltage) to MFM meter.
- D. Install PLC and computer system in working office of electricity board.
- E. Install software (Simatic manager and SCADA software) in computer system.
- F. Connect PLC to system by Ethernet cable.
- G. Communicate PLC and system (PLC to SCADA).
- H. Assign node address to MFM.
- I. Communicate MFM to PLC with profibus DP cable.
- J. Specify about MFM in PLC and assign address to input.
- K. Create point configuration in SCADA and assign address for each signal as specify in PLC.
- L. All information about a node will display on screen (output).
- M. If there is any hurdle in communication and I/O then check again step 3.

We can use formula in PLC to take weekly, monthly and daily readings. We can monitor all the activities online. It helps the government to calculate total power consumption of electricity of each area/town on basis of demand.

V. S. T.
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmangarh-332211 Dist. Sikar (Rajasthan)

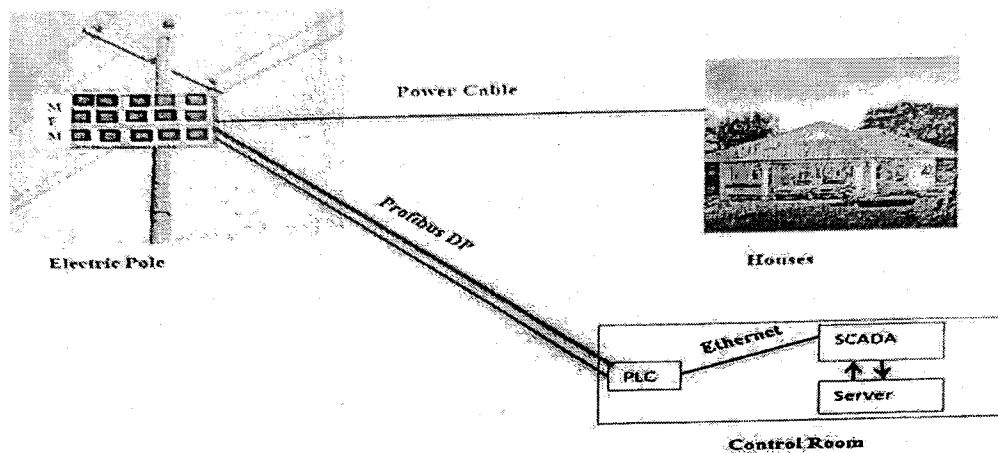
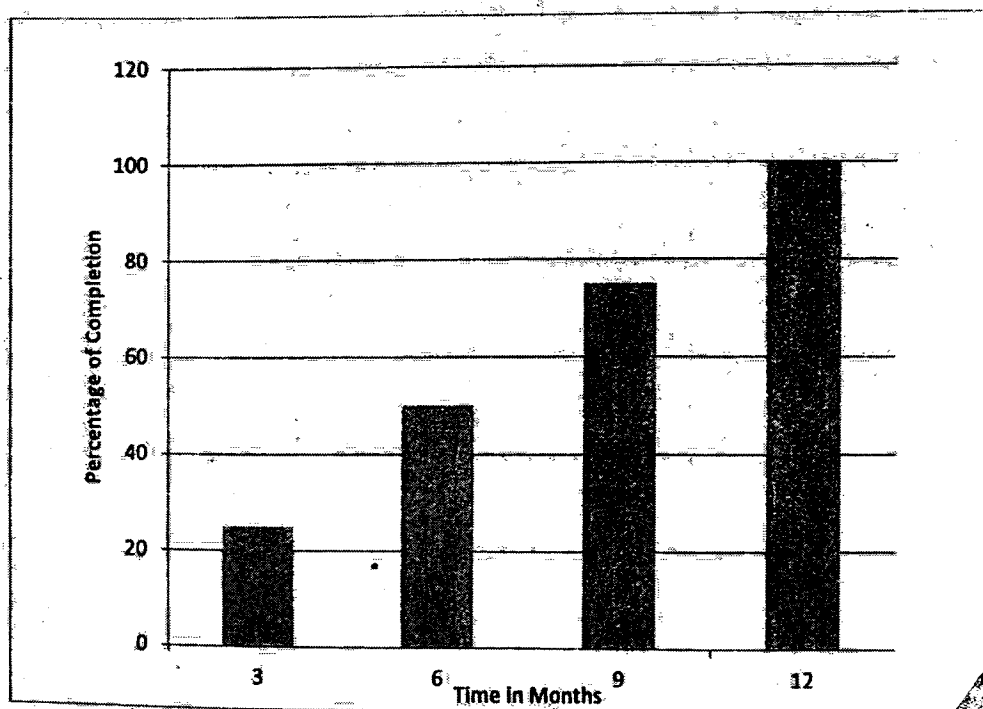


Fig 1 : Power Theft Minimization Set-up

Schedule/Timeline: Bar chart of technical work on quarterly basis with major milestones to be achieved is depicted below.

One year chart with percentage of completion of work is proposed below:



Vijit
28/12/2021

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Lakshmanagarh-332311 Dist.-Sikar (Rajasthan)

Percentage of completion	Milestones
25%	- Information collection about PLC, MFM, SCADA and profibus DP through internet, external consultants, paper, journals and articles. - Purchasing of equipment. - Getting deep knowledge about MFM and PLC programming. - Purchasing of equipment.
50%	- Purchasing and Installation of equipment. - Installation and programming.
75%	Execution of project ideas
100%	- Testing and documentation. - Paper Publications

Relevance of Collaboration

This project contains one PI, and 2 Co-PIs. One CO-PI is regular faculty from host institute so that equipment can be used after this project. In this project, we are monitoring energy theft online, which requires knowledge and skills in electrical and IT domain.

One Co-PI have rich experience of electrical domain and two Co-PI have experience of IT domain.

Social Outcome

- Monitoring all the activities online.
- Secure and reliable system.
- It helps public/private utilities to estimate total power consumption of electricity of each area/town on basis of demand.
- Generate daily, weekly, monthly and yearly report for each customer.
- Easy & continuously monitoring the consumption of each customer.
- Save manpower cost.
- No manual reading and hence easy billing.

Vijit
28/12/2021

Registrar
Mody University of Science and Technology
Lakshmangarh-332311 Dist. Sikar (Rajasthan)

FILE NO. YS5/2015/000265
SCIENCE & ENGINEERING RESEARCH BOARD

5 & 5A, Lower Ground Floor
Vasant Square Mall
Plot No. A, Community Centre
Sector-B, Pocket-5, Vasant Kunj
New Delhi-110070

Dated: 06-Nov-2015

ORDER

Subject: Financial Sanction of the research project titled "Molecular Expression of Maize Strain Mastrevirus (MSV) Proteins and Their Role in The Infection Process" under the guidance of Dr. Avinash Marwal, Mody University of Science and Technology, Lakshmangarh Sikar Rajasthan 332311, RAJASTHAN-332311 - Release of 1st grant.

Sanction of Science and Engineering Research Board (SERB) is hereby accorded to the above mentioned project at a total cost of Rs. 3380000/- (Rs. Thirty Three Lakh Eighty Thousand Only) with break-up of Rs. 400000/- under Capital (Non-recurring) head and Rs. 2980000/- under General (Recurring) head for a duration of three years. The items of expenditure for which the total allocation of Rs. 3380000/- has been approved are given below:

The following budget may be considered for Mody University Of Science And Technology, Lakshmangarh Sikar Rajasthan 332311

S. No	Head	Total (in Rs.)
A	Non-recurring	
1	Equipment → -80 Degree Celsius Deep Freezer	400000
A'	Total (Non-Recurring)	400000
B	Recurring Items	
1	Recurring - A : (Manpower, Consumables, Travel, Contingencies)	2680000
2	Recurring - B : (Overhead Charges)	300000
B'	Total (Recurring)	2980000
C	Total cost of the project (A' + B')	3380000

- Sanction of the SERB is also accorded to the payment of
Rs. 400000/- (Rupees Four Lakh only) under 'Grants for creation of capital assets' and Rs. 1000000/- (Rupees Ten Lakh only) under 'Grants-in-aid General' to Dean-FASC, Mody University Of Science And Technology, Lakshmangarh Sikar Rajasthan 332311 being the first installment of the grant for the year 2015-2016 for implementation of the said research project.
- The expenditure involved is debitable to
Fund for Science & Engineering Research (FSER)
This release is being made under Start Up Research Grant (Young Scientist). (Life Sciences)
- The Sanction has been issued to Mody University Of Science And Technology, Lakshmangarh Sikar Rajasthan 332311 with the approval of the competent authority under delegated powers on 31 October, 2015 and vide Diary No. SERB/F/5446/2015-16 dated 05 November, 2015
- Sanction of the grant is subject to the conditions as detailed in Terms & Conditions available at website (www.serb.gov.in)
- Overhead expenses are meant for the host Institute towards the cost for providing infrastructural facilities and general administrative support etc. including benefits to the staff employed in the project.
- While providing operational flexibility among various subheads under head Recurring-A, it should be ensured that not more than Rs. 1.5 lakh each should be spent for travel and contingency.
- As per rule 211 of GFR, the accounts of project shall be open to inspection by sanctioning authority/audit whenever the institute is called upon to do so.
- The sanctioned equipment would be procured as per GFR and its disposal of the same would be done with prior approval of SERB.
- The release amount of Rs. 1400000/- (Rupees Fourteen Lakh only) will be drawn by the Finance & Budget Officer of the SERB and will be disbursed by means of RTGS transaction as per their Bank details.

given below

Account Name	FASC-MUST
Account Number	11932091000033
Bank Name & Branch	Oriental Bank of Commerce Oriental Bank of Commerce Lakshmangarh Seitho ka Bazar Main Market Lakshmangarh District Sikar Rajasthan
IFSC/RTGS Code	ORBC0101193
Email id of A/C Holder	dean.cath@modyuniversity.ac.in
Email id of PI	marwat_avinash@yahoo.co.in

11. The institute will furnish to the SERB, New Delhi, separate Utilization certificate (UCs) financial year wise to the SERB for Recurring (Grants-in-aid General) & Non-Recurring (Grants for creation of capital assets) and an audited statement of accounts pertaining to the grant immediately after the end of each financial year.
12. The institute will maintain separate audited accounts for the project. A part or whole of the grant must be kept in an interest earning bank account which is to be reported to SERB. The interest thus earned will be treated as credit to the institute to be adjusted towards further installment of the grant.
13. The project File no. YSS/2015/000265 may also be mentioned in all research communications arising from the above project with due acknowledgement of SERB.
14. The manpower sanctioned in the project, if any is co-terminus with the duration of the project and SERB will have no liability to meet the fellowship and salary of supporting staff if any, beyond the duration of the project.
15. As this is the first grant being released for the project, no previous U/C is required.
16. The institute may refund any unspent balance to SERB by means of a Demand Draft favoring "FUND FOR SCIENCE AND ENGINEERING RESEARCH" payable at New Delhi.

(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

To,
Finance & Budget Officer
SERB, New Delhi

Copy forwarded for information and necessary action to:-

1.	The Principal Director of Audit, A.G.C.R. Building, IIIrd Floor I.B. Estate, Delhi-110002
2.	Sanction Folder, SERB, New Delhi
3.	File Copy
4.	Dr. Avinash Marwat Mody University of Science and Technology, Lakshmangarh Sikar Rajasthan 332311, RAJASTHAN-332311 Email: marwat_avinash@yahoo.co.in Mobile: 919785906818 (Start date of the project may be intimated by name to the undersigned. For guidance, terms & Conditions etc. Please visit www.serb.gov.in.)
5.	Dean-FASC, Mody University Of Science And Technology, Lakshmangarh Sikar Rajasthan 332311 (Receipt of Grant may be intimated by name to the undersigned)

(Dr. Pramod Kumar Prasad)
Scientist C
pk.prasad@serb.gov.in

**School of Sciences/School of Liberal Arts
Mody University of Science and Technology**

UNIVERSITY OF SCIENCES & TECHNOLOGY
(OFFICE OF ACADEMIC AFFAIRS)
RAIPUR, RAIPUR, JHARKHAND
PIN-831006

Page No. 100
Date: 12/12/2023

No. S-SC/2023/NA-01
The Officer-in-Charge,
University Grants Commission,
Bhubaneswar, Odisha-751005

Dindighi, 2023

Subject: Request for Extension of Study Leave of Faculty of Technology & Applied Sciences (M.Tech. Degree) to Mr. Dr. Rakesh Kumar, Research Assistant, Department of Science, Faculty of Technology & Applied Sciences, Mody University of Science and Technology, Raipur, Jharkhand.

1. The undersigned is writing to inform you that Mr. Dr. Rakesh Kumar, Research Assistant, Faculty of Technology & Applied Sciences, Mody University of Science and Technology, Raipur, Jharkhand, has been granted study leave for the period from 12/12/2023 to 12/12/2024.

Sl. No.	Name of the Candidate	Category	Grade	Period of Study Leave	Remarks
1.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave

2. The undersigned is writing to inform you that Mr. Dr. Rakesh Kumar, Research Assistant, Faculty of Technology & Applied Sciences, Mody University of Science and Technology, Raipur, Jharkhand, has been granted study leave for the period from 12/12/2023 to 12/12/2024.

1.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
2.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
3.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
4.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
5.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
6.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
7.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
8.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
9.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave
10.	Dr. Rakesh Kumar	Research Assistant	Grade A	12/12/2023 to 12/12/2024	Study Leave

FD Diary No. : 11512

Dated : 10.02.2016



UNIVERSITY GRANTS COMMISSION
(SELECTION & AWARDS BUREAU)
BAHADUR SHAH ZAFAR MARG,
NEW DELHI-110002.

No. F. 30-70/2015 (SA-II)

February, 2016

The Under Secretary (FD-III)
University Grants Commission
Bahadurshah Zafer Marg,
New Delhi - 110002.

24 FEB 2016

Subject: Release of Grants-in-aid to Mody University of Science and Technology, Lakshmangarh, Sikar-332311 (Rajasthan) in respect of Dr. Rajarshi Kumar Gaur, Research Awardee, Department of Science towards Salary & Research Grant for the year 2015-2016 under Plan.

Sir,

I am directed to convey the sanction of the University Grants Commission for payment of grant of Rs. 16,51,756/- (Rupees Sixteen Lakh Fifty One Thousand Seven Hundred Fifty Six Only) as 1st year grant for the year 2015-2016 towards Salary & Research Grant to the Registrar, Mody University of Science and Technology, Lakshmangarh, Sikar-332311 (Rajasthan) for the Plan expenditure to be incurred during 2015-2016.

Name of the Item (1)	Period (2)	Head of A/c (3)	Grant Now being sanctioned (4)	Grant already sanctioned (5)	Total grant. (Col. 4+Col. 5) (6)
Salary	13.03.2015	3(A) (51) 31 Plan	Rs.15,51,756/-	----	Rs.15,51,756/-
Research Grant	to 12.03.2016		Rs.1,00,000/-	----	Rs.1,00,000/-
Total			Rs.16,51,756/-	----	Rs.16,51,756/-

2. The sanctioned amount is debitable to Major Head 3(A) (51) 31 Plan and is valid for payment during the financial year 2015-16 only under the scheme of Research Award (SA-II).

3. The amount of the grant shall be drawn by the Under Secretary (Drawing and Disbursing Officer) UGC on the Grants-in-aid bill and shall be disbursed to and credited to the Registrar, Mody University of Science and Technology, Lakshmangarh, Sikar-332311 (Rajasthan) through Electronic mode as per the following details:

a.	Name & Address of Bank Branch	Oriental bank of Commerce, Seitho Ka Bazar, Main Market, Laxmangarh, Sikar- 332311, Rajasthan
b.	Account No.	11932091000033
c.	Type of Account	Saving A/c
d.	IFSC Code	ORBC0101193
e.	MICR Code	332022501
f.	Whether bank branch is RTGS or NEFT enabled: RTGS/NEFT/Both	Yes
g.	Details (Name & Address) of Account Holder	Registrar, Mody University of Science and Technology, Lakshmangarh, Sikar-332311 (Rajasthan)

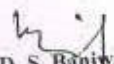
19. An amount of Rs. Nil out of Rs. Nil has been utilized sanctioned vide this office letter of even number dated Nil by the university for the purpose for which it was sanctioned and noted in grant in aid register at Page, No. Nil & S. No. Nil.
20. Future grant will be released on receipt of Statement of Expenditure/ Utilization Certificate (Item-wise).
21. This issues with the concurrence of IFD vide Diary No. 6686 dated - 04.01.2016.
22. This issues with the approval of the Secretary vide Diary No. 54144 dated 20.01.2016.
23. Entry has been made in BCR at Page No. 121 and S. No. 107.

Yours faithfully,

(Kundla Mahajan)
Under Secretary

Copy forwarded for information and necessary action for:-

1. The Registrar,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
2. ☒ Dr. Rajarshi Kumar Gaur
UGC-Research Awardee
Department of Science,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
3. The Head,
Department of Science,
Mody University of Science and Technology,
Lakshmangarh, Sikar-332311 (Rajasthan)
4. Office of the Director General of Audit,
Central Revenues, AGCR Building, I.P. Estate, New Delhi.
5. Guard File


(D. S. Baniwal)
Section Officer



Birla Institute of Technology & Science, Pilani

Pilani | Dubai | Goa | Hyderabad

Ernest Samuel Ratnakumar J, Registrar

Ref. No.: SRCD/DST /M S Dasgupta

Date: 25-11-2020

To Whom It May Concern

With reference to the DST Sanction order no. DST/TDT/AGRO-41/2019(C) dated 30.9.2020, this is to certify that **Dr. Sanjeev Jakhar**, Assistant Professor, Mechanical Engineering, Mody University of Science and Technology Lakshmangarh, Sikar, Rajasthan is associated with the following Project as a CO-PI.

Project Details are:-

Project Title:- *Analysis, Design and Development of Low Cost Cold Storage for Selected Agriculture Products Based Fully on Solar and Geothermal Energy*

Total Project cost:- Rs. 47,03,400 (Forty -Seven Lakh, Three Thousand and Four Hundred only)

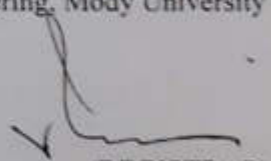
Funding Agency:- Ministry of Science and Technology, Department of Science and Technology (DST), New Delhi, (Technology Development and Transfer)

Sanction Number:- DST/TDT/AGRO-41/2019

Project Duration:- 14 October, 2020 to 13 October 2022

PI of Project:- Prof. M. S. Dasgupta, Mechanical Engineering, BITS Pilani, Pilani Campus.

Co-PI of Project:- Dr. Sanjeev Jakhar, Assistant Professor, Mechanical Engineering, Mody University of Science and Technology Lakshmangarh, Sikar, Rajasthan


(REGISTRAR)
REGISTRAR

Birla Institute of Technology & Science
PILANI (Rajasthan)



BITS Pilani, Pilani Campus
Vidya Vihar
Pilani - 333 031
Rajasthan, India

Tel (O): +91 1596 515310, 255298
Fax: +91 1596 244183
Email: registrar@pilani.bits-pilani.ac.in

Project Description

Title of the project: A collaborative approach for building a Research Dataspace System for an organization

Project Detail: -

Roles and Responsibilities	Topic	Funding Agency	Amount	Year/Duration of Project Completion.
PI- Dr. Mrityunjay Singh, Bundelkhand Institute of Engineering & Technology Jhanshi, UP Co-PI- Dr. Niranjana Lal, Mody University of Science and Technology, Sikar, Rajasthan Application No- 1-5738052191	A collaborative approach for building a Research Dataspace System for an organization	Under Collaborative Research Scheme (CRS), AICTE New Delhi	Rs. 1176000	2019/ 1 Year

Objective of the project

The main objective of our research proposal is to build a research dataspace system using the collaboration among the researchers working in different areas within an organization/institute. Even though, several proposals like researchgate are in existence though most of them are available in public domain and not able to heterogeneity among data. Therefore, in this project, we plan to develop a research dataspace management system for efficient management of research database and providing interaction among the researchers within an organization/institute.

Expected Outcomes:

- Interface for the researches within organization,
- Sharing of ideas, and resources like research papers, articles, code, etc.,
- A discussion forum for the researchers,
- Provides information about journals, conferences, workshop, symposium etc.

S. No.	Faculty ID	Application No.	Name of PI	Name of the Institute	Domain	Approved budget (Rs.)
48	1-5746915621	1-5740344761	Mr. MOHAMMAD PANDIT	ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY	Information & Communication Technology	1137000
49	1-4710077564	1-5728037724	Mr. BALRAM CHOUHARY	GOVT. MAHILA ENGINEERING COLLEGE AJMER	Any other	973000
50	1-5746074499	1-5764084542	Ms. RUKMANI SINGH	MADAN MOHAN MALAVIYA UNIVERSITY OF TECHNOLOGY	Any other	1100000
51	1-3735516173	1-5748518224	Mr. JUAN CHOWDHURY	ASSAM ENGINEERING COLLEGE	Nanotechnology Hardware	1460000
52	1-4618411442	1-5728344571	Mr. MANISH SINGH	MOTIHARI COLLEGE OF ENGINEERING, MOTIHARI	Materials - Advanced	1167000
53	1-5744677286	1-5759258014	Mr. IDRIS SHAH	ISLAMIC UNIVERSITY OF SCIENCE AND TECHNOLOGY	Any other	1490000
54	1-4252706347	1-5748322071	Mr. PARTHA SAHA	HARCOURT BUTLER TECHNICAL UNIVERSITY, KANPUR	Any other	1580000
55	1-3736866405	1-5740698934	Mr. BIBHUTI BHARDWAJ	ASSAM ENGINEERING COLLEGE	Any other	1975000
56	1-4658175726	1-5738545131	Mr. PARAG TALUKDAR	JORHAT ENGINEERING COLLEGE	Energy	448000
✓ 57	1-4496017822	1-5738052191	Dr. MRITYUNJAY SINGH	BUNDELKHAND INSTITUTE OF ENGINEERING & TECHNOLOGY JHANSI	Information & Communication Technology	1176000
58	1-4523692209	1-5730445457	Mr. PADAM OMAR	MOTIHARI COLLEGE OF ENGINEERING, MOTIHARI	Water Resources	1592000
59	1-4913426618	1-5740808181	Mr. BABALU KUMAR	INSTITUTE OF ENGINEERING & TECHNOLOGY, AGRA	Materials - Advanced	945000
60	1-3693445103	1-5737336128	Dr. ANUJ BAJPAI	BIRLA INSTITUTE OF TECHNOLOGY	Energy	1081000
61	1-3639252751	1-5728190401	Mr. SUMAN RANJAN	B I T SINDRI	Materials - Advanced	1496000
62	1-3644014669	1-5728530711	Mr. MUKESH TILWANI	MLV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Materials - Advanced	1235000
63	1-3672580140	1-5727990531	Mr. NISHIT BEDI	UJJAIN ENGINEERING COLLEGE (FORMERLY GOVT. ENGG. COLLEGE ESTB. IN 1966)	Energy	801000
64	1-3675646719	1-5727945531	Mr. AKASH SHUKLA	UJJAIN ENGINEERING COLLEGE (FORMERLY GOVT. ENGG. COLLEGE ESTB. IN 1966)	Energy	615000
65	1-3695220803	1-5693966051	Mr. SACHIN SINGH	GOVERNMENT ENGINEERING COLLEGE JHALAWAR	Environment	1762000
66	1-4496440624	1-5737317011	Dr. YOGENDRA PRAJAPATI	BIRLA INSTITUTE OF TECHNOLOGY	Energy	1658000
67	1-3667093843	1-5716866381	Miss NIKITA RANKAWAT	COLLEGE OF TECHNOLOGY AND ENGINEERING	Materials - Advanced	1540000
68	1-4526327985	1-5728212525	Dr. RAJ SINGH	REWA ENGINEERING COLLEGE REWA (MP)	Materials - Advanced	1000000
69	1-4675229529	1-5761820442	Mr. CHINDHU NARAYANE	GOVERNMENT COLLEGE OF ENGINEERING, KALAHANDI, BHAWANIPATNA	Any other	319000
70	1-3706084774	1-5727990301	Mr. A PATEL	B I T SINDRI	Materials - Advanced	843000
71	1-3666395582	1-5736443941	Mr. HIMANSHU MOHAN	COLLEGE OF TECHNOLOGY AND ENGINEERING	Any other	1103000
72	1-5735073133	1-5748332331	Mr. MAHENDRA SINGH	BIPIN TRIPATHI KUMAON INSTITUTE OF TECHNOLOGY	Any other	1557000
73	1-4569965544	1-5736616956	Mr. SANJAY PATEL	MLV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Any other	1258000
74	1-4643931862	1-5772916884	Mr. MOHD AHMAD	DAYALBAGH EDUCATIONAL INSTITUTE	Materials - Advanced	1148000

18th June 2019**CERTIFICATE OF SANCTION**

This is to certify that a Research Proposal entitled, "To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing" has been approved under "TEQIP Collaborative Research Scheme" to the team of following Collaborators:

1	Mr. AMARJEET .	Principal Investigator	MLV Textile & Engineering College, Bhilwara
2	Mr. NITESH CHOUHAN	Co-Principal Investigator	MLV Textile and Engineering College, Bhilwara
3	Mr. YOGESH MEENA	Co-Principal Investigator	Malaviya National Institute of Technology Jaipur
4	Ms. UMA KUMARI	Co-Principal Investigator	Mody university of science and technology, lakshmangarh

A grant of **₹814000** (Rupees Eight Lakh Forteen Thousand Only) has been sanctioned for the project, as per following details:

S.No.	Expenditure Head	Sanctioned Amount (₹)
1	Non-recurring	602002
2	Recurring	
	(i) Domestic Travel	80000
	(ii) Contingencies	66667
	(iii) Consumables	38333
	(iv) Miscellaneous	26667
	Total	814000

The project is to be completed with expected outcomes achieved on or before 30th Sept 2020.

Prof. (Dr.) P M Khodke
Central Project Advisor

M.L.V. TEXTILE AND ENGINEERING COLLEGE, BHILWARA
(An autonomous institute of government of Rajasthan)



No. MLVTEC/NPIU-CRS/2019/ 59 I

Date: 13-05-2019

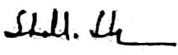
Certificate of Collaboration

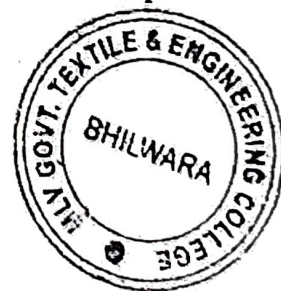
A certificate of collaboration for the research "*To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing for Minimization of the Theft*" between the Principal Investigator Sh. Amarjeet of the Host Institute/industry M. L. V. Textile & Engineering College, Bhilwara.

We the following PIs wish to work on this project. We agree to work in harmony and hereby understand that the project needs to be completed in the time-bound manner.

Co-PI-1	Sh. Nitesh Chouhan	M. L. V. Textile & Engg. College, Bhilwara
Co-PI-2	Dr. Y. K. Meena	Malaviya National Institute of Technology, Jaipur
Co-PI-3	Dr. Uma Kumari	Mody University of Science & Technology, Laxmangarh, Sikar (Rajasthan)

Under the collaborative research scheme – TEQIP III for the proposal of the grant, complying with the guidelines of AICTE and TEQIP.


Principal



Pratap Nagar, Pur Road
Bhilwara-311001
India
+91-1482-240393
mlvti_jpl@sancharnet.in



Circular

Sub: Selection of proposals under Collaborative Research Scheme (TEQIP-III): Announcement for Phase-I

Sir / Madam

NPIU-MHRD appreciates the overwhelming response received from TEQIP Faculty for Collaborative Research Scheme (CRS). AICTE has evaluated the proposals through a team of experts from respective areas. MHRD announces the first phase selection of research proposals and selected proposals along with the allocated funds is made available on NPIU / AICTE website.

In this connection, it is further informed that:

1. Additional proposals are under consideration and will be declared soon in Phase-2.
2. As communicated earlier, the Projects are to be planned for completion by 31st March 2020 or maximum by 30th September 2020 (if extension approved).
3. The 1st instalment of 25% of the approved budget for the Research Project will be transferred in the Institute's bank within a week after confirming the A/c details submitted by institute in the AICTE Mandate form at the time of application.
4. Though procurement is limited to 60% of the approved project cost, it may be increased maximum to 80% on the recommendation of the experts. Remaining approved budget is for recurring expenditure.
5. No international travel is permissible. The maximum admissible expenditure on domestic travel will be 15% of the project cost. It may include travel and accommodation of PI and Co-PIs and any other experts.
6. For any procurement in the program, TEQIP Purchase guidelines (World Bank guidelines) will be applicable. Also procurement through GeM must be preferred.
7. Quarterly review of the progress shall be taken and PI will be invited accordingly.
8. The revision in approved cost of the project may be considered subject to satisfactory progress of the project in next review.
9. A meeting of Principal Investigators (PIs) of the selected proposals shall be convened shortly, through a separate communication, at New Delhi to make aware the faculty about best practices, scope to scale up, expected timeline etc.

NPIU congratulates the PI & team on their selection and expects expeditious action to make the project successful by achieving committed outcomes within stipulated timeline.

NPIU-Admin

S.No.	Faculty ID	Application No.	Name of PI	Name of the Institute	DOMAIN	Approved budget (Rs.)
131	1-4364047056	1-5759407891	Dr. ASHUTOSH SINGH	INSTITUTE OF ENGINEERING & TECHNOLOGY, MJP ROHILKHAND UNIVERSITY	Information & Communication Technology	723000
132	1-4871684343	1-5770264050	Mr. RAJDEEP GHOSH	GAUHATI UNIVERSITY INSTITUTE OF SCIENCE AND TECHNOLOGY	Any other	1543000
133	1-3645881455	1-5760324171	Mr. AMARJEET .	MLV TEXTILE & ENGINEERING COLLEGE, BHILWARA	Energy	814000
134	1-3737218535	1-5722352251	Dr. NEETA THAPLIYAL	WOMEN INSTITUTE OF TECHNOLOGY	Nanotechnology Hardware	670000
135	1-3693853641	1-5754152181	Mr. VIKRAM KUMAR	GAYA COLLEGE OF ENGINEERING	Water Resources	1223000
136	1-3644548391	1-5748290941	Ms. POOJA SHARMA	B I T SINDRI	Any other	530000
137	1-3679739929	1-5748564016	Mr. SUMIT MANE	BHAGALPUR COLLEGE OF ENGINEERING , BHAGALPUR	Any other	1037000
138	1-4658175131	1-5766690481	Mr. UJJAL NATH	JORHAT ENGINEERING COLLEGE	Environment	1464000
139	1-4493805851	1-5751160861	Dr. SHAILENDRA SINGH	BUNDELKHAND INSTITUTE OF ENGINEERING & TECHNOLOGY JHANSI	Any other	657000
140	1-4727514466	1-5739421811	Ms. SHIWANGI MISHRA	JABALPUR ENGINEERING COLLEGE,JABALPUR	Any other	859000
141	1-4712971473	1-5729020611	Dr. SONU RAJAK	BIRLA INSTITUTE OF TECHNOLOGY	Manufacturing	1450000
142	1-4542133583	1-5748376682	Mr. AKSHAY MANN	SHRI MATA VAISHNO DEVI UNIVERSITY	Information & Communication Technology	552000
143	1-4858098085	1-5772929831	Dr. LALIT KUMAR	G.B.PANT INSTITUTE OF ENGINEERING AND TECHNOLOGY	Energy	565000
144	1-3660829873	1-5739402911	Ms. PARUL CHAUHAN	RAJASTHAN TECHNICAL UNIVERSITY, KOTA	Any other	1481000
145	1-3642913792	1-5758337911	Dr. NIRMALA KUMARI	UNIVERSITY COLLEGE OF ENGINEERING AND TECHNOLOGY (UCET)	Any other	1043000

To Design and Develop a Secure, Reliable and Efficient Meter Monitoring System in Energy Stealing for Minimization of the Theft

Brief of Project

With rapid increase in power demand and advancement in generation, transmission and distribution technologies pose various challenges for power sector. One of such challenges is energy theft. Energy theft is a major concern for utility. Despite preventive majors/extensive drives to curve the theft of electricity, regularize illegal connection, increased focus on quality and reliability, still country is not able to get the expected results.

We will develop a unit by which online monitoring of the meters can be done as well as power theft can be minimized. For this set-up following steps will be done:

- A. Remove meters from houses.
- B. Install MFM meters on lighting pole.
- C. Connect input (current and voltage) to MFM meter.
- D. Install PLC and computer system in working office of electricity board.
- E. Install software (Simatic manager and SCADA software) in computer system.
- F. Connect PLC to system by Ethernet cable.
- G. Communicate PLC and system (PLC to SCADA).
- H. Assign node address to MFM.
- I. Communicate MFM to PLC with profibus DP cable.
- J. Specify about MFM in PLC and assign address to input.
- K. Create point configuration in SCADA and assign address for each signal as specify in PLC.
- L. All information about a node will display on screen (output).
- M. If there is any hurdle in communication and I/O then check again step 3.

We can use formula in PLC to take weekly, monthly and daily readings. We can monitor all the activities online. It helps the government to calculate total power consumption of electricity of each area/town on basis of demand.

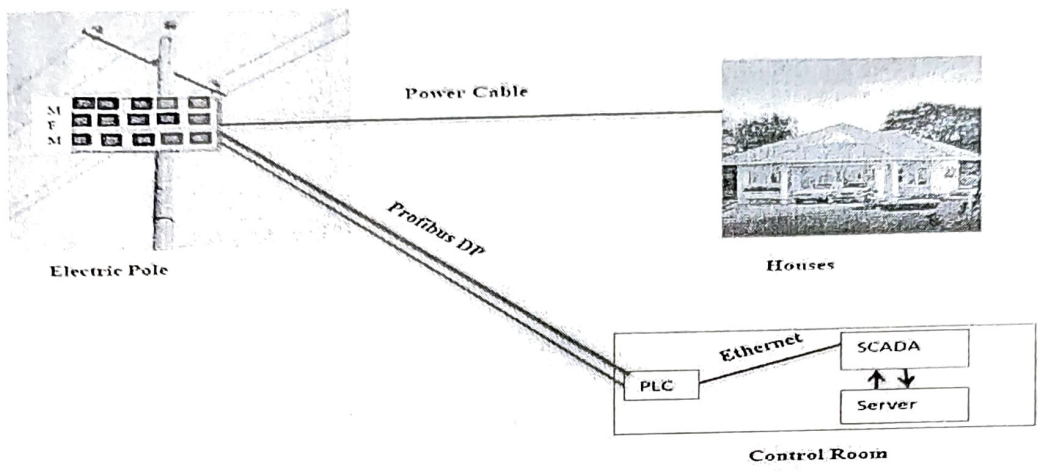
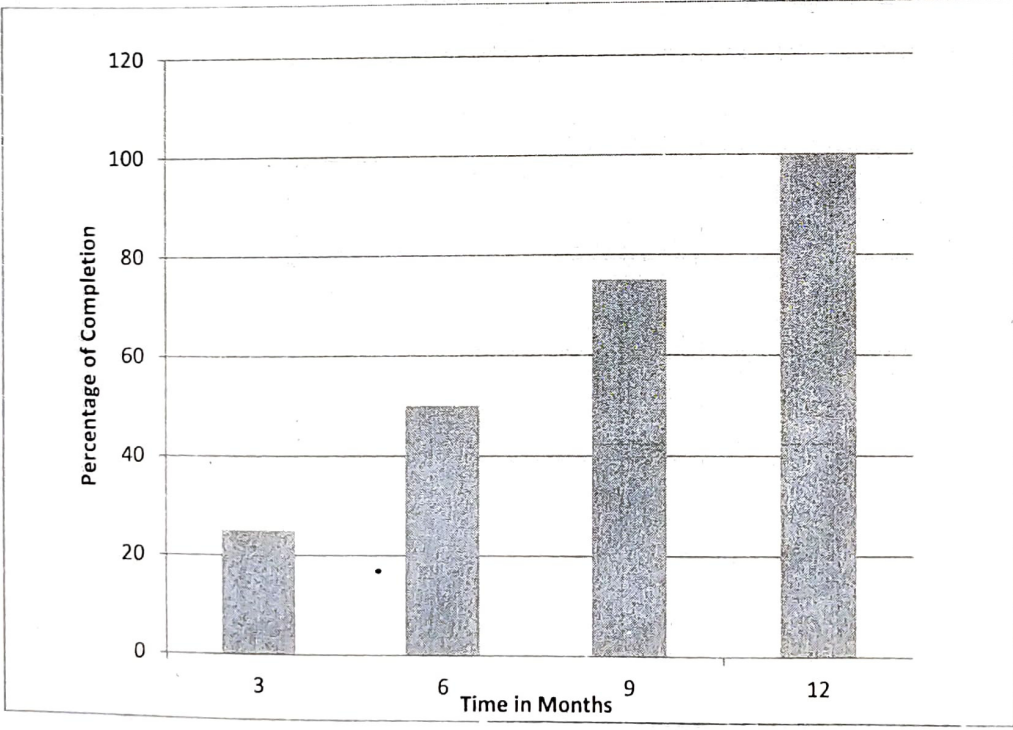


Fig 1 : Power Theft Minimization Set-up

Schedule/Timeline: Bar chart of technical work on quarterly basis with major milestones to be achieved is depicted below.

One year chart with percentage of completion of work is proposed below:



Percentage of completion	Milestones
25%	• Information collection about PLC, MFM, SCADA and profibus DP through internet, external consultants, paper, journals and articles. • Purchasing of equipment. • Getting deep knowledge about MFM and PLC programming. • Purchasing of equipment.
50%	• Purchasing and Installation of equipment. • Installation and programming.
75%	• Execution of project ideas
100%	• Testing and documentation. • Paper Publications

Relevance of Collaboration

This project contains one PI, and 2 Co-PIs. One CO-PI is regular faculty from host institute so that equipment can be used after this project. In this project, we are monitoring energy theft online, which requires knowledge and skills in electrical and IT domain.

One Co-PI have rich experience of electrical domain and two Co-PI have experience of IT domain.

Social Outcome

- Monitoring all the activities online.
- Secure and reliable system.
- It helps public/private utilities to estimate total power consumption of electricity of each area/town on basis of demand.
- Generate daily, weekly, monthly and yearly report for each customer.
- Easy & continuously monitoring the consumption of each customer.
- Save manpower cost.
- No manual reading and hence easy billing.