



Sr. No.	Metric		Page No.
1	3.1.3	Number of research projects per teacher funded by government and non-government agencies during the last five years	2-133
2	3.3.4	Number of research papers per teacher in the Journals notified on the UGC website during the last five years	134- 145

3.1.1 Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years (3) and for

3.1.3 Number of research projects per teacher funded by government and non-government agencies during the last five years (For UG Colleges weightage of this metric will be 7) (4)

Academic Year	2018-19	2017-18	2016-17	2015-16	2014-15	Total
No. of Research Projects	11	12	21	10	10	64
Amount Sanctioned (Rs. In Lacs)	30.47	23.63	6.5	53.3	25.25	139.15

Sr. No	Name of the Project/ Endowments, Chairs	Name of the Principal Investigator/Co-investigator	Amount Sanctioned	Duration of the project	Name of the Funding Agency	Type (Government/non-Government)	Page no. in e-copies pdf
Academic year 2018-19							
1	Investigation of Effect of Ballistic Impact on Laminated Composite materials	Nitesh Yelve	₹ 50,000.00	One Year	University of Mumbai	Government	7
2	Active vibration control of a Cantilever beam using proportional controller, in an experimental study.	Praseed kumar	₹ 30,000.00	One Year	University of Mumbai	Government	8
3	Early Fire Detection using Machine Learning Techniques	Mrs. Archana Shirke	₹ 25,000.00	One Year	University of Mumbai	Government	9
4	Smog detection and pollution alert system using wireless sensor networks	Manita Rajput	₹ 30,000.00	One Year	University of Mumbai	Government	10
5	Non-Invasive Electroencephalography (EEG) and Magneto Encephalography (MEG) based thought-to-Speech Mapping	Dr. Milind Shah	₹ 35,000.00	One Year	University of Mumbai	Government	11
6	Precision time measurement to a resolution of sub nanoseconds in between successive collisions	Mrs. Swetha T (PI)	₹ 30,000.00	One Year	University of Mumbai	Government	12
7	M-Vision	Dr. Lata Ragha (PI) Mrs. Rakhi. K (CI)	₹ 35,000.00	One Year	University of Mumbai	Government	13
8	Implementation of a single phase Transformer-less Grid Tied Inverter with Improved gain	Dr. Mini R	₹ 45,000.00	One Year	University of Mumbai	Government	14
9	Integrated energy storage based quasi Z source inverter for standalone PV system	Mr. Mahendra Rane	₹ 30,000.00	One Year	University of Mumbai	Government	15
10	Design and Development of Electric Vehicle drive for EV grade Induction motor	Dr. Sushil Thale	₹ 25,96,000.00	One Year+ six months	Saini Electrical and Engineering works, Nvimumbai	Industry	16-28
11	IOT based Tyre monitoring system	Dr. Sushil Thale	₹ 1,41,000.00	One Year	Lemon Street Venture Pvt Ltd, Navi Mumbai	Industry	29-36
	Total Amount (Rs Lacs)= ₹ 30.47						

Academic year 2017-18							
1	Navigation App for the Visually Impaired	Mrs. Sandhya Pati (PI) Mrs. Kiruthika M (CI)	₹ 20,000.00	One Year	University of Mumbai	Government	38
2	Swarm Robotics	Mrs. Dakshayani G (PI) Mr. Rahul Jadhav (CI)	₹ 25,000.00	One Year	University of Mumbai	Government	39
3	Active Filter: 480 V, 60Amps 3 Phase	Dr. Sushil Thale	₹ 9,55,000.00	One Year	Autodata Pvt Ltd. Navi Mumbai	Industry	40-51
4	Lamb wave based in-situ nondestructive testing of thin plate structures	Dr. S.M. Khot	₹ 78,000.00	One Year	University of Mumbai	Government	52
5	Design and Analysis of Vibration Energy Harvester for an Automobile Suspension	Dr. Nitin Satpute	₹ 50,000.00	One Year	University of Mumbai	Government	53
6	Design and Fabrication of an Experimental Setup of Thermo Acoustic Cooling	Ms. Pallavi Khaire	₹ 35,000.00	One Year	University of Mumbai	Government	54
7	Music modulatedTENS Methodologies for Pain Alleviating System	Yogesh Chandurkar	₹ 30,000.00	One Year	University of Mumbai	Government	55
8	Railway safety and security system	Sneha Revankar	₹ 30,000.00	One Year	University of Mumbai	Government	56
9	Vehicle Tracking and Accident Alert system	Anita Jadhav	₹ 22,000.00	One Year	University of Mumbai	Government	57
10	Design of Solid state Airfield Lighting products	Dr. Sushil Thale	₹ 2,95,000.00	One Year	AMA Pvt. Ltd. Mumbai	Industry	58-67
11	LED Products Design	Dr. Sushil Thale	₹ 8,00,000.00	Two Years	Shubh Die Casting Pvt Ltd, Vasai Thane	Industry	69-78
12	Power Management in battery electrical vehicle	Mrs Bindu R	₹ 23,000.00	One Year	University of Mumbai	Government	79
Total Amount (Rs Lacs)=			₹ 23.63				
Academic year 2016-17							
1	Android Controlled Wheelchair	Mrs. Rakhi Kalantri (PI) Mrs. Kavita Shelke (CI)	₹ 20,000.00	One Year	University of Mumbai	Government	81
2	Rescue Bot	Mrs. Smita Dange (PI) Mr. Amroz Siddique (CI)	₹ 20,000.00	One Year	University of Mumbai	Government	82
3	A Time Reversal Damage imaging method for structural health monitoring of thin plate structures using Lamb waves	Mr. Prasad Bari and Dr. Nitesh Prakash Yelve	₹ 30,000.00	One Year	University of Mumbai	Government	83
4	Design and Fabrication of Magnetorheological damper setup	Mr. Nanaji Kshirsagar and Mr. Girish Dalvi	₹ 30,000.00	One Year	University of Mumbai	Government	84
5	Experimental & Simulation study of characterization and suppression of thermo-acoustic instability	Dr. Nilaj Deshmukh and Mr. Santosh Chauhan	₹ 25,000.00	One Year	University of Mumbai	Government	85
6	Development of an Experimental Setup for testing quarter car model for ride comfort	Mr. Sanjay Rukhande and Dr. S.M. Khot	₹ 30,000.00	One Year	University of Mumbai	Government	86
7	Online Condition Monitoring of Gears	Mr. Nitesh Yelve	₹ 1,50,000.00	One Year	Rave Gears India Ltd	Government	87
8	Smart weight based Toll collection vehicle detection during collision using RFID	Sadhana Pai	₹ 20,000.00	One Year	University of Mumbai	Government	88

9	Design and implementation of Low cost Gesture Recognition using Nural Networks	Sreedevi Nair	₹ 20,000.00	One Year	University of Mumbai	Government	89
10	Implementation of Automatic control for Smart Irrigation system based on WSN and IoT	keerthi Unni	₹ 18,000.00	One Year	University of Mumbai	Government	90
11	Disease Diagnostic system using PhotoPlethysmography	Savitha Upadhya	₹ 18,000.00	One Year	University of Mumbai	Government	91
12	IoT based Biometric voting Machine	Smita Hande	₹ 18,000.00	One Year	University of Mumbai	Government	92
13	Energy Audit and Solar PV rooftop Installation for the facility	Dr. Sushil Thale	₹ 20,000.00	One Year	Dhavantari Hospital Pune	Industry	93
14	Current fed Cockcroft Walton applied to a High step-up DC-DC converter	Dr. Bindu. S	₹ 15,000.00	One Year	University of Mumbai	Government	94
15	Design and demonstration of a power system emulator as a teaching aid	Mrs Divya M	₹ 30,000.00	One Year	University of Mumbai	Government	95
16	Design and implementation of Z-source inverter	Mrs Sreedevi Nair	₹ 20,000.00	One Year	University of Mumbai	Government	96
17	Design and Implementation of DC-DC Bidirectional converter for low power application	Mrs Seema Jadav	₹ 30,000.00	One Year	University of Mumbai	Government	97
18	Bidirectional charge controller battery and ultra-capacitor system in electric vehicle	Mrs Rashmi Kale	₹ 28,000.00	One Year	University of Mumbai	Government	98
19	Design and Control of Power Conversion System for Electrical Vehicles	Mrs Bindu R	₹ 70,000.00	One Year	Institution of Engineers (India)	Non-Government	99
20	Guidance System for Vehicle Parking In Open Space	Mr Anand P and Dhanashree H	₹ 15,000.00	One Year	University of Mumbai	Government	100
21	Dynamic Affordance Using touchless 3D tracking interface	Dhanashree H and Mr Anand P	₹ 23,000.00	One Year	University of Mumbai	Government	101
Total Amount (Rs Lacs)=			₹ 6.50				
Academic year 2015-16							
1	WSN Based Environmental Parameter Monitoring for Precision Agriculture	Mrs. Kiruthika M (PI) Mrs. Shweta Tripathi (CI)	₹ 40,000.00	One Year	University of Mumbai	Government	103
2	Optimization of Wind Mill Design with Experimental and Simulation Study	Mr. Santosh Chauhan and Mr. Nilaj Deshmukh	₹ 35,000.00	One Year	University of Mumbai	Government	104
3	Active Vibration Control of Cantilever Beam using Optimal Controllers	Mr. T. Mathewlal	₹ 40,000.00	One Year	University of Mumbai	Government	105
4	Lamb wave based damage detection in thin Aluminum plates using wavelets	Mr. Nitesh Prakash Yelve and Dr. S. M. Khot	₹ 45,000.00	One Year	University of Mumbai	Government	106
5	Formulation of Hot-face Refractory of an Entrained Flow Gasifier	Dr. S. M. Khot, Dr. Milind Shah	₹ 50,00,000.00	Two year + 6 months(exten ded)	Newton-BHABHA Fund Royal Academy of Engg., UK	Government	107-115
6	The artificial Intelligence Workplace assistant	Ashish Harsola	₹ 35,000.00	One Year	University of Mumbai	Government	116
7	Smart Classroom	Milind Shah	₹ 25,000.00	One Year	University of Mumbai	Government	117
8	Modeling and control of switched reluctance generator for wind energy	Dr Sincy George	₹ 40,000.00	One Year	University of Mumbai	Government	118

9	Design and development for solar PV grid interactive inverter for Indian power grid	Dr Sushil Thale	₹ 50,000.00	One Year	University of Mumbai	Government	119
10	Hardware implementation of PFN based solid state Marx generator	Mrs Ruchi Harchandani	₹ 20,000.00	One Year	University of Mumbai	Government	120
Total Amount (Rs Lacs)= ₹ 53.30							
Academic year 2014-15							
1	Target Tracking in Wireless Sensor Network	Mrs. Sandhya Pati (PI) Mr. Mritunjay Ojha (CI)	₹ 40,000.00	One Year	University of Mumbai	Government	122
2	Damage detection in metallic plates using Lamb wave	Dr. S. M. Khot and Mr. Nitesh Prakash Yelve	₹ 50,000.00	One Year	University of Mumbai	Government	123
3	Experimental and statistical optimization of binder composition in brake pads to minimize wear	Mr. Aqleem Siddiqui and Dr. S. M. Khot	₹ 30,000.00	One Year	University of Mumbai	Government	124
4	Diagnosis of Cardiovascular disease using impedance cardiography	Pranali Choudhari	₹ 45,000.00	One Year	University of Mumbai	Government	125
5	Wireless sensor network based Smart home with object loading system for older age population	Megha Kolhekar	₹ 45,000.00	One Year	University of Mumbai	Government	126
6	Modeling and characterization of solid state Marx generator and its source	Dr Sincy George, Dr. Bindu. S	₹ 22,13,600.00	Three Years	BRNS	Government	127-128
7	Seminar - Introduction on water conservation technique and water budget in Mumbai.	Mrs. Archana Shirke	₹ 15,000.00	One Year	BAIF Development Research Foundation, Pune.	non-Government	129-130
8	Blind Vision, Smart Assistance Application for visual impaired people	Mrs. Archana Shirke and Mrs. Mukta N.	₹ 32,000.00	One Year	University of Mumbai	Government	131
9	Optimization of CUDA programs	Lakshmi M. Gadhihar	₹ 24,696.00	Two years	NVIDIA Graphics Pvt. Ltd. Pune.	non-Government	132
10	Simulation and Experimental Study of minimization of shrinkage defect in casting	Mr. C. M. Choudhari	₹ 30,000.00	One Year	University of Mumbai	Government	133
Total Amount (Rs Lacs)= ₹ 25.25							



Academic Year: 2018-19

University of Mumbai



Research Project No:32

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Nitesh Prakash Yelve
Mechanical Engg.
Rs.50000 /-

Ref No. APD/237/601 of 2019
27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Sector 9A, Vashi,
Navi Mumbai - 400 703

Subj: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Siddhant
Assistant Registrar
(Academic Planning & Development)

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University of Mumbai



Research Project No:33

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Mr. Praseed Kumar
Mechanical Engg.
Rs.30000/-

Ref No. APD/237/601 of 2019
27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Sector 9A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

S. S. Kulkarni
Assistant Registrar
(Academic Planning & Development)

Scanned by CamScanner

University of Mumbai



Research Project No:223

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

: Mrs. Archana Abhijeet Shirke
: Information Technology
: Rs.25000/-

Ref No. APC/237/601 of 2019
27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Sector-9A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Siddhant
Assistant Registrar

(Academic Planning & Development)

Scanned by CamScanner

smog detection & pollution alert system using wireless sensor Networks

University of Mumbai



Research Project No.126

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Maulik Rajput
Electronics and Telecommunication
Rs. 30000/-

Ref No. APC/237/601a/F2019
27th March, 2019

To,
The Principal,
F. C. Rodrigues Institute of Technology
Sector-9A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am pleased to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Siddhant
Assistant Registrar
(Academic Planning & Development)

Title : Non-Invasive Electroencephalography (EEG) and Magneto Encephalography (MEG) based Thought-to-Speech Mapping.
University of Mumbai



Research Project No:125

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Dr. Milind Shah
Electronics and Telecommunication
Rs. 3500/-

Ref No. APD/237/801 of 2019
27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Sector-0A, Vashi, Navi Mumbai - 400 703

Sub: Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2019 and submit original bill/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/Dean/Head of Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bill/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

S. S. S. S.

Assistant Registrar
(Academic Planning & Development)

University of Mumbai



Research Project No:81

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

: Prof. Shweta Tripathi
: Computer Engg.
: Rs.30000/-

Ref No. APD/237/601 of 2019
27th March, 2019

To,
The Principal,
Fr. Conceicao Rodrigues Institute of Technology
Sector 9A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Se. Swami
Assistant Registrar

(Academic Planning & Development)

University of Mumbai



Research Project No:80

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Dr. Lata Ragh
Computer Engg.
Rs.35800/-

Ref No. APD/237/601 of 2019

27th March, 2019

To,
The Principal,
Fr. Conceicao Rodrigues Institute of Technology
Sector 9A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Sumant
Assistant Registrar

(Academic Planning & Development)

University of Mumbai



Research Project No:71

NAME OF THE RESEARCHER : Dr. Mini Rajeev
LECTURE IN : Electrical Engg.
AMOUNT SANCTIONED : Rs.45000 /-

Ref No. APD/217/681 of 2019

27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Agri Technical Education Complex, Sector 9-A, Vashi, Navi Mumbai - 400 703

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Assistant Registrar
(Academic Planning & Development)

University of Mumbai



Research Project No:69

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Mahendra S Rane
Electrical Engg.
Rs. 30000/-

Ref No. APD/2770031/2019
27th March, 2019

To,
The Principal,
Fr. C. Rodrigues Institute of Technology
Agarwal Technical Education Complex, Sector B-8, Vashi, Navi Mumbai - 400 703

Sub: Minor Research Grant Project

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2019.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2019.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Assistant Registrar
(Academic Planning & Development)



महाराष्ट्र MAHARASHTRA

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UM 351302



श्री श्रीमान् श्री श्रीमान्, न्यायिक
कुर्मीय दुर्योधन

06 FEB 2018

श्री श्रीमान् श्री श्रीमान्, न्यायिक
कुर्मीय दुर्योधन

8/2/19

MEMORANDUM OF UNDERSTANDING BETWEEN

FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, NAVI MUMBAI
AND

SAINI ELECTRICAL AND ENGINEERING WORKS, NAVI MUMBAI

1. PREAMBLE

Fr. C. Rodrigues Institute of Technology (FCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai as a part of the Agnel Technical Education Complex by Agnel Ashram Fathers under Agnel Charities Trust. Ever since its inception, in just a short span of time, has established itself as one of the leading Engineering Colleges in Mumbai. This fact is well supported by its excellent results in the University examinations as well as by the extensive facilities provided by the college. This had led to the college being awarded with an 'A' Grade in its very first assessment by the Government of Maharashtra. In addition, National Board of Accreditation (NBA) constituted under clause 10 (V) by AICTE act 1987 awarded accreditation to the College in July 2006, Aug 2012 and reaccreditation in Oct 2018

Cont.....2

SAINI Group of Companies based in Mumbai (India), established in the year 1975 is one of the leading engineering and manufacturing company's with a diverse portfolio of Products, Solutions and Services that includes Manufacture of Rolling Stock Equipment's & Special Purpose Motors, Complete Rehabilitation of Electrical Rotating Machines and Supply of Varnishes & Resin. The Entity is engaged in design, engineering, manufacturing, repair, testing, supply and commissioning of products and services for core sectors of economy i.e. Transportation (Railways), Power generation & Transmission, Oil & Gas, Cement, Steel and Other Processing Industries. The group comprises of two companies - Saini Electrical and Engineering Works and Saini Heavy Electrical and Engineering Works Pvt Ltd with 3 Manufacturing units, 1 Repair unit and 2 regional offices across the country. Their manufacturing facilities and other entities are accredited to Quality Management System - ISO 9001.

This Agreement made and entered into on this **12th day of February 2019** between **Agnel Charities' Fr. C. Rodrigues Institute of Technology** (hereinafter called FCRIT) situated at Navi Mumbai 400703, an institute affiliated to University of Mumbai and **Saini Electrical and Engineering Works** situated at MIDC, Pawne, Navi Mumbai, Maharashtra, (hereinafter called "SEEW" which expression shall include its successors and permitted assignees).

2. OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a. to promote interaction between FCRIT and SEEW in mutually beneficial areas.
- b. to provide a formal basis for initiating interaction between FCRIT and SEEW.

3. PROPOSED MODES OF COLLABORATION

FCRIT and SEEW propose to collaborate through

- a. Consultation, guidance and support from FCRIT to SEEW for the **Design and Development of Electric Vehicle Drive for EV grade Induction Motor (in range of 110 kW)**
- b. Training of SEEW personnel through FCRIT in areas of interest to SEEW.
- c. Any other appropriate mode of interaction agreed upon between FCRIT and SEEW.

The above modes of interaction will be initiated by entering into a agreement between the two parties.

4. FORMS OF DESIGN AND DEVELOPMENT PROGRAM

The form of any of the said R&D, design, consultation, guidance and support for the Design and Development Program (DDP) may include the following:

- a. **In their own existing facilities** - The performance of DDP individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.
- b. **In a separate development facility** - The performance of DDP by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported/ sponsored by either Party.
- c. **Third parties** - The performance of DDP by the Parties together with one or more third parties.

5. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between FCRIT and SEEW will be as set out in Annexure 1.

- 1) Design and Development of Electric Vehicle Drive for EV grade Induction Motor, in the range of 110 kW, (as per the details provided in Annexure 1)
- 2) Technical assistance to develop the manufacturing facility for the SEEW
- 3) Technical assistance to develop the testing facility for the SEEW

Cont.....3

6. AGREEMENTS FOR CONSULTATION AND RESEARCH COLLABORATION

Each Consultation and Research collaboration undertaken by the parties hereunder shall be initiated by the signing of a separate 'Consultation & Research Agreement' between the parties, which will describe in detail:

- a. the nature, scope and schedule of the research collaboration.
- b. the form of the research collaboration.
- c. the estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) which result from the research collaboration or which belong to a party and are used in research collaboration.
- e. other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

7. CONFIDENTIALITY

- a. During and for a period of **Twenty years** from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
 - is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
 - is already known or become known to the receiving party
 - is received from a third party having no obligations of confidentiality to the disclosing party,
 - is independently developed by the receiving party; or
 - is required to be disclosed by law or court order.

8. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

9. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire **Three years** after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon **30 days** prior written notice to the other party. However, no such early termination or expiry of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 5, 6 and 7 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination/expiry of contract.

Cont.....4




10. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

11. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

12. COSTS OF THE MOU

Each party shall bear the respective costs of carrying out the obligations under this MOU.

13. FORCE MAJEURE

- a. Neither Party shall be liable to the other Party for any failure to perform or delay in performance of its obligations under this Contract caused by a force majeure event as defined by applicable laws and/or case law.
- b. If either Party is affected by a force majeure event, it shall promptly notify the other Party of the nature and extent of the circumstances in question and use all efforts to minimize the effects of the force majeure event.
- c. If the force majeure event continues for more than three (3) months from the day the force majeure event occurred, a Party may terminate this Contract by giving no less than fifteen (15) working days' prior written notice to the other Party.

14. APPLICABLE LAW – DISPUTES

- a. The Contract shall be governed by the laws of India.
- b. If any dispute arising out of or in connection with the present Contract occurs, the Parties shall try to settle it amicably. If the Parties fail to achieve an amicable resolution thereof within a period of three (3) months from the date of dispute, then the dispute shall be finally settled under the Rules of Arbitration of the International Chamber of Commerce, by one or more arbitrators appointed in accordance with the said Rules of Arbitration and be binding upon the Parties.
- c. The arbitration proceedings shall be conducted in English and the award shall be rendered in English. The place of arbitration shall be Mumbai.
- d. If any dispute arising out of or in connection with the present Contract occurs, the Parties shall try to settle it amicably. If the Parties fail to achieve an amicable resolution thereof within a period of three (4) months from the date of dispute, then either Party may submit the dispute to the competent courts of Mumbai, Maharashtra which shall have exclusive jurisdiction to irrevocably settle the dispute.

Cont.....5

15. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of on behalf of

**Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai**

**Saini Electrical and Engineering Works,
Pawne, Navi Mumbai**


Name: **Dr. Sushil Thale**


Name: **Jaipreet Singh Saini**



Title: **Dean (R&D)**

Title: **Head - Rail Business**

Date: **12th Feb 2019**

Date: **12th Feb 2019**

Witness: 
(**Pooja H. Patel**)

Witness: 
(**Reshma Tawde**)





MAHARASHTRA

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UM 351308

डॉ. सी. ए. रोड्रिगुस, अध्यक्ष
मुंबई युनिवर्सिटी

08 FEB 2019

डॉ. सी. ए. रोड्रिगुस, अध्यक्ष, उद्घाटन

MUTUAL NON-DISCLOSURE AGREEMENT

This non-disclosure agreement ("Agreement") is by and between The Fr.C. Rodrigues Institute of Technology (herein after referred to as "FCRIT") having its address at Vashi, Navi Mumbai 400703 and Salni Electrical and Engineering Works (hereinafter referred to as "SEEW") a corporation having a business address at Pawane, Navi Mumbai, on 12th February 2019 being the date when this agreement comes into force.

1. RECITALS

A. SEEW and FCRIT wish to exchange certain information pertaining to Design and Development of the Electric Vehicle Drive (Inverter with Auxiliary and interface) for EV grade Induction Motor, in the range of 110 kW. This exchange includes all communication of information between the parties in any form whatsoever, including oral, written and machine-readable form, pertaining to the above which is indicated as confidential.

B. FCRIT and SEEW wish to exchange the information for the sole purpose of researching the Electric Vehicle Drive Technology and each party regards certain parts of the Information it possesses to be secret and desires to protect those parts from unauthorized disclosure or use (such secret parts being hereafter collectively referred to as "Information").

Cont.....2

C. FCRIT and SEEW are willing to disclose Information (as "Disclosing Party") and receive Information (as "Receiving Party") as the case maybe, on the terms and conditions set forth herein.

II. AGREEMENT

In furtherance to the above mentioned, FCRIT and SEEW agree to the following:

1. The Receiving Party will:
 - a. Not disclose Information of Disclosing Party to any other person and use at least the same degree of care to maintain the Information confidential as Receiving Party uses in maintaining as confidential its own confidential Information, but always at least a reasonable degree of care; due diligence will be taken by both parties in maintenance of confidential information.
 - b. Use the Information only for the above-mentioned purpose;
 - c. Restrict disclosure of the Information of the Disclosing Party solely to those employees of Receiving Party having a need to know such Information in order to accomplish the purpose stated above;
 - d. Advise each such employee, before he or she receives access to the Information, of the obligations of Receiving Party under this Agreement, and require each such employee to agree to maintain those obligations.
 - e. Within fifteen (15) days of notice furnished by either party, the party receiving such notice shall return to the other Party all documentation, copies, notes, diagrams, computer memory media and other materials containing any portion of the Information, or confirm to the other Party, in writing, the destruction of such materials.
2. This Agreement imposes no obligation on Receiving Party with respect to any portion of the Information received from Disclosing Party which
 - a. was known to Receiving Party prior to disclosure by Disclosing Party.
 - b. is lawfully obtained by Receiving Party from a third party under no obligation of confidentiality,
 - c. is or becomes generally known or publicly available other than by unauthorized disclosure,
 - d. is independently developed by Receiving Party or
 - e. is disclosed by Disclosing Party to a third party without a duty of confidentiality on the third party.
 - f. is required by law or decree.
3. The Information shall remain the sole property of Disclosing Party.
4. Neither Disclosing party makes any representation with respect to and does not warrant any information provided under this agreement, but shall furnish such in good faith. Without restricting the generality of the foregoing, neither Disclosing party makes any representations or warranties, whether written or oral, statutory, express or implied with respect to the information which may be provided hereunder, including without limitation, any warranty of merchantability or of fitness for a particular purpose. Neither Disclosing party shall be liable for any special, incidental or consequential damages of any nature whatsoever resulting from receipt or use of the information by the receiving party.

Cont.....3



5. Neither the execution of this Agreement nor the furnishing of any Information hereunder shall be construed as granting either expressly or by implication, any license under or title to any invention, patent, copyright, trademark or trade name now or hereafter owned by or controlled by the party furnishing the Information.
6. The Receiving Party will not export, directly or indirectly, any technical data acquired from Disclosing Party or any product utilizing any such data to any third party, without first obtaining approval of the Disclosing Party.
7. The rights and obligations of the parties under this Agreement may not be sold, assigned or otherwise transferred (subject to contract).
8. The obligation of this Agreement shall be continuing for a period of **Twenty** years after the disclosure has been made. However, FCRIIT is free to use the Information (only concepts) solely for the purpose of teaching after a period of **Ten** years.
9. This Agreement can be terminated on thirty (30) days written notice by either party. However, Receiving Party's obligations of confidentiality and restrictions on use of the information disclosed by Disclosing Party shall survive termination of this Agreement.

This agreement will be construed and governed in accordance with the laws of India. Any dispute arising out or in connection with the agreement shall be settled within the jurisdiction of Mumbai courts.

IN WITNESS WHEREOF, the parties have executed this agreement effective as of the date first written above.

For
Fr. C. Rodrigues Institute of Technology, Vashi

Name : Dr. Sushil Thale
Designation : Dean (R&D)
Date :

Witness:

(Arjun Kumar)



For
Saini Electrical and Engineering Works
Pawane, Navi Mumbai

Name : Jaipreet Singh Saini

Date : 12th February 2019

Witness:

(Reshma Tawade)





महाराष्ट्र MAHARASHTRA

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UM 351305



३२ कोबागार कार्यालय, मुंबई
मुद्रांक पुरवठा, १२/०२/१८

०८ FEB 2018

३२ कोबागार अधिकारी, मुंबई

३/२/१८

RESEARCH and DEVELOPMENT AGREEMENT

This Agreement is made and entered into as of **Research & Development Agreement** by and between **Saini Electrical and Engineering Works**, a Firm incorporated under the Companies Act 1956 and having its office at **Pawne, Navi Mumbai**, hereinafter referred to as '**SEEW**', of the **FIRST PART**,

AND

Fr. C. Rodrigues Institute of Technology, an educational institution in engineering disciplines Vashi, Navi Mumbai-400 703, India, hereinafter referred to as '**FCRIT**', of the **SECOND PART**. **SEEW** and **FCRIT** are collectively referred to herein as '**Parties**'.

Whereas **SAINI Group of Companies** based in Mumbai (India), established in the year 1975 is one of the leading engineering and manufacturing companies with a diverse portfolio of Products, Solutions and Services that includes Manufacture of Rolling Stock Equipment's & Special Purpose Motors, Complete Rehabilitation of Electrical Rotating Machines and Supply of Varnishes & Resin.

Whereas **FCRIT** is among the premier education institutions in India engaged in higher learning, research and development.

Cont.....2

Whereas both Parties hereto have agreed to jointly work on Projects in topics of mutual interest as defined below and develop Products under terms and conditions mutually agreed upon by the Parties and

Whereas the Parties desire to record the broad terms and conditions that are jointly accepted and agreed to in this Agreement as contained hereunder.

1. DEFINITION

- (a) 'Projects' shall mean and include the individual Projects under the Agreement, the terms and conditions for execution of each of which shall be jointly agreed upon, in writing.
- (b) 'SEEW know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, owned and provided by SEEW, which are required for the Projects.
- (c) 'FCRIT know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise owned and provided by FCRIT, which are required for the Projects.
- (d) 'Project Know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise developed during the course of project and for the project.
- (e) 'SEEW Personnel' shall mean the personnel or research and development engineers of the Company deputed for the Projects.
- (f) 'FCRIT Personnel' shall mean the faculty members and / or scientists and / or students and / or staff of FCRIT deputed for the Projects.
- (g) 'Principal Investigator' shall mean the individual, employee of FCRIT, having the responsibility of conducting and supervising the Project(s) under this agreement.
- (h) 'Co-Investigator' shall mean the individual(s) participating in the Project(s) under the supervision of Principal Consultant/ Investigator, including, but not limited to, students, employees, representatives, and agents.
- (i) 'Project Consultant/ Investigator Team' shall comprise the Principal Consultant/Investigator and the Co-Investigators participating in the Project(s) under this agreement.
- (j) 'Products' shall mean the results, software, hardware or other deliverable generated as a result of work to meet the objectives of the Projects funded by SEEW.
- (k) 'SEEW - FCRIT Research & Development Programme' shall mean the activities envisaged under this Agreement.

2. ITEMS / AREAS OF COLLABORATION AND PROJECT CONSULTANT.

The parties agree to collaborate in the following said items/areas:

Design and Development of the Electric Vehicle Drive (Inverter with Auxiliaries and interface) for EV grade Induction Motor, in the range of 110 kW. Following will be the identified major milestones for the project:

- (A) Design of complete assembly and subassemblies with BOM
- (B) Fabrication of first prototype system
- (C) Mathematical modelling, control loops design and controller coding
- (D) Testing and performance analysis of the prototype in the lab
- (E) Revision of the design and preparation for the final assembly in vehicle
- (F) Assisting in Validation of the performance of the drive with ARAI or similar authorities.
- (G) Documentation and handover of the project

Dr. Sushil Thale, Professor and Dean (R&D) will be the Principal Consultant/ Investigator for the FCRIT

Cont.....3



3. SCOPE OF AGREEMENT

SEEW and FCRIT shall work jointly to carry out Project in the above said items / areas for developing Products and with specific objectives, terms & conditions to be jointly agreed under the Agreement.

4. ACTIVITIES AND OBLIGATIONS OF COMPANY

- (a) SEEW shall be responsible for providing the funds required for the Project. SEEW may depute appropriate SEEW personnel to participate in the Projects, as per mutual agreement.
- (b) SEEW will provide know-how, specifications, which may be deemed necessary for the Projects.
- (c) SEEW shall take reasonable steps to prevent FCRIT know-how & Project know-how, which are meant only for the purpose of conducting the Project, from unauthorised usage or falling into unauthorised hands. SEEW shall ensure that SEEW personnel working on projects sign appropriate non-disclosure agreements to prevent unauthorised usage or disclosure of materials or information received under this Agreement.

5. ACTIVITIES AND OBLIGATIONS OF FCRIT

- (a) FCRIT shall strive to complete the activities in the said items/areas and deliver the Product to SEEW as per the individual Project objectives and schedules as agreed upon.
- (b) FCRIT shall take reasonable steps to prevent SEEW know-how & Project know-how, which are meant only for the purpose of conducting the Project(s), from unauthorised usage or falling into unauthorised hands. FCRIT shall ensure that FCRIT personnel and the Project Investigator Team working on Projects sign appropriate non-disclosure agreements.

6. FINANCIAL AND OTHER ARRANGEMENTS

The consideration payable to FCRIT for individual Project cost and the schedule of payment would be as mutually agreed upon for the Project. Any other Project related payment will be as per mutual agreement given in writing. Financial arrangements related to Intellectual Property Rights sharing will be as spelt in clause 11.

7. ASSIGNMENT

The Parties hereto shall not transfer or assign any of their rights and obligations under this Agreement to any other party without obtaining prior consent in writing from other Parties hereto.

8. TERM / DURATION

This Agreement shall be initially valid for a period of **18 months** from the date of signing of this agreement. The Parties may extend the term of this Agreement for additional periods as desired under mutually agreeable terms and conditions which shall be reduced to writing and signed by the Parties. Expiry of the agreement shall not relieve parties of its obligations accrued prior to such expiry, under the project. The obligations set out in clause no. 11 shall survive the expiry of this agreement.

9. TERMINATION

Any of the Parties may terminate this Agreement by serving a written notice on the other Parties **one** month prior to the intended date of termination provided that the termination by either of the parties shall not relieve that party of its obligations accrued prior to such termination, under a specific Project. The obligations set out in clause no. 11 shall survive the termination of this agreement.

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10. NOTICES

All communications by SEEW involving financial, administrative and other matters shall be sent to Dean R&D, FCRIT. All information of scientific and technical nature may be exchanged directly between the Project Investigator from FCRIT and appropriate SEEW personnel as identified in writing for the Project concerned.

11. INTELLECTUAL PROPERTY AND COMMERCIAL RIGHTS

(a) Title to all inventions, discoveries or developments made solely by FCRIT inventors which are not in the scope of this project as defined in clause 2, shall reside in FCRIT; title to all inventions, discoveries and developments made solely by SEEW inventors resulting from the Research & Development Programme shall reside in SEEW; title to all inventions, discovery, development or other intellectual property including but not limited to copyrights, patents and industrial designs made jointly by FCRIT and SEEW resulting from the Research & Development Programme shall reside in SEEW.

(b) Any modification / further development of the Results obtained from the Projects under this agreement, by the SEEW shall be done with the explicit written consent of FCRIT.

12. CONFIDENTIALITY

(a) It may be necessary for FCRIT and SEEW to disclose to or exchange with each other proprietary information relating to FCRIT know-how and SEEW know-how, which are confidential and proprietary. The disclosing party shall advise authorised personnel of the receiving party appropriately regarding the confidential nature of the information disclosed. The Party receiving such confidential or proprietary information shall not, unless specifically permitted in writing by the Party providing the said information, disclose in whole or part any such confidential or proprietary information or divulge any information thereon to any person other than its Personnel for fulfilling the purpose of this Agreement. The disclosure to any such Personnel as aforesaid, of any such confidential or proprietary information, shall be in confidence and only to the extent necessary for carrying out the obligations herein.

(b) The obligations of confidentiality set forth above shall be applicable for **Twenty** years from the expiry/termination of the relevant Agreement.

(c) The obligations of confidentiality however shall not apply to information that:

- i. is not disclosed in writing or reduced to writing and marked with appropriate confidentiality legend within thirty (30) days after disclosure;
- ii. is already in the recipient party's possession at the time of disclosure;
- iii. is or later becomes part of the public domain through no fault of the recipient party;
- iv. is received from a third party having no obligations of confidentiality to the disclosing party;
- v. is independently developed by the recipient party; or
- vi. is required by law or regulation to be disclosed.

13. ARBITRATION, APPLICABLE LAW AND JURISDICTION

(a) Any disputes between the parties shall be resolved by mutual discussions. Unresolved disputes, if any, shall be subject to resolution by a panel consisting of the Dean R&D, FCRIT, who shall represent FCRIT, and Chairman / Managing Director, SEEW, who shall represent SEEW. If the dispute cannot be resolved by the said panel, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The venue of arbitration shall be Mumbai. The decision of the arbitrator shall be binding on both parties.

(b) This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts in Mumbai.

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14. CONSULTATION AND DEVELOPMENT CHARGES

SEEW will pay consultation & development fees of **INR 10 Lacs + taxes** for the period of 12th Feb 2019 – 11th Aug 2020. This will be paid on mutually agreed terms. Any travelling / lodging / boarding expenses incurred for execution of project for the FCRIIT staff beyond the jurisdiction of Mumbai will be borne by SEEW provided the prior approval is obtained by SEEW.

Cost of the components and other related hardware requirement for the preparation of the prototype will be borne by SEEW (at actual). The estimated cost towards these components and related hardware will be **INR 12 Lacs**.

15. GENERAL

(a) The terms and Conditions for publication of the research results in journals / conferences, and / or patenting or copyrighting the Products shall be mutually agreed upon.

(b) Any addition, deletion and / or alteration to this Agreement may be effected with a written agreement of all the Parties to this Agreement concerning the amendments. A document containing the additions, deletions and/or alterations, and signed by all Parties hereto, shall form an annexure to and be deemed to be a part of this Agreement.

(c) The headings of various clauses herein are inserted for convenience of reference and are not deemed to affect the meaning or construction of relative provisions.

(d) FCRIIT will have the right to continue to utilise the intellectual property generated as part of the R&D work carried out under this project for its research and for teaching purposes limited to the concepts, after a period of Ten Years from the date of completion of the project.

(e) This Agreement and its Appendices constitute the entire agreement among the Parties' and supersede all other representations, understandings or communication whether written or verbal, with respect to the subject matter hereof.

16. FORCE MAJEURE

Neither party shall be held responsible for non-fulfilment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes not confined to the premises of the party, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the Parties hereto have set and subscribed their respect hands and seal on 12th February 2019 herein above mentioned.

For

Fr.C. Rodrigues Institute of Technology, Vashi

Name: Dr. Sushil Thale

Title: Dean (R&D)

Date: 12th Feb 2019

Witness:

(Ashish Krol)



For

Saini Electricals and Engineering Works,
Pawane, Navi Mumbai

Name: JAI PREET SINGH SAINI

Title: Head - Rail Business

Date: 12th Feb 2019

Witness:

(Reshma Tawde)



Ref : FCRIT / CPRJ / 06 / 2017-18

DEVELOPMENT AGREEMENT

BETWEEN

**LEMON STREET VENTURES PRIVATE LIMITED
NAVI MUMBAI**

AND

**FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY (FCRIT)
NAVI MUMBAI**

DEVELOPMENT AGREEMENT

This Development Agreement ("Agreement") is made on this [1st] day of FEBRUARY 2018

Between:

- (i) **Lemon Street Ventures Private Limited** operating as **Tyre Express**, a company incorporated under the Companies Act 2013, and having its registered office at 201, Floor No - 2, Plot No - 4, Priyanka Heritage CHSL, Sector-16A, Sanpada, Navi Mumbai, Thane, Maharashtra, 400705. (hereinafter referred to as "**Company**" which expression shall, unless repugnant to the context and meaning thereof mean and include its successors and permitted assigns) of the First Part; and
- (ii) **Fr. C. Rodrigues Institute of Technology, Sector 9A, Vashi, Navi Mumbai, India 400 703**, a premier educational institution in engineering disciplines, hereinafter referred to as '**Advisor**', of the Second Part.

The Company and the Advisor are hereinafter collectively referred to as "**Parties**" and individually as "**Party**".

WHEREAS

- A. The Company is *inter alia* engaged in the business of tyre tracking and performance management of tyres and is working on a commercially viable device to track tyres ("**Product**");
- B. The Advisor has represented that he has the relevant experience and qualifications to develop the Product.
- C. Relying on such representations and after scrutinizing the Advisor's profile, understanding based on several discussions and an impersonal meeting, the Company has agreed to appoint the Advisor for providing the Services;
- C. Accordingly, the Parties hereto are executing this Agreement setting out the terms and conditions upon which the Advisor shall provide the Services (as defined below) to the Company.



[Handwritten signature]

FOR, LEMON STREET VENTURES PVT. LTD.

[Handwritten signature]
DIRECTOR



NOW THEREFORE, IN CONSIDERATION OF THE PREMISES, MUTUAL PROMISES AND COVENANTS SET FORTH HEREINAFTER, THE PARTIES HERETO AGREE AS FOLLOWS:

1. Appointment and Provision of Services

- 1.1 The Company appoints the Advisor to provide the Technical Services specific to its development of Vehicle Diagnostics platform, subject to the terms and conditions contained in this Agreement.
- 1.2 Advisor shall try and assist Company in further development of the Product as outlined in Clause 2 below.

2. Scope of work

- 2.1 For the purposes of this Agreement, the expression "Services" shall mean the following:

- (i) The objective of the scope is Advisory oriented. Hence the engagement of the Advisor will primarily be that of Review and Advise. The Company currently does not envisage any independent and/ or joint research and development by the Advisor. If a need for any independent and/ or joint research and development arises the Company will suitably discuss with the Advisor and review the scope accordingly.
- (ii) Review of Company's technical development. The Company shall share suitable technical design and Product development materials including but not limited to codes, algorithms, circuit designs, prototype design, etc. as the need be.
- (iii) The advisor will advise the Company to rectify, change or improve the design development based on inputs from the Company.

- 2.2 Based on discussions with the Advisor, Dr. Sushil Thale (Dean R&D) Fr. C. Rodrigues Institute of Technology will represent the advisor to execute the defined services in the clause 2.1. Also it has been mutually agreed upon that the Dr. Thale will spend 8 hours per month to assist the Company.

3. Date of Commencement and Term

- 3.1 This Agreement shall come into force from the date of its execution and shall remain in force for a period of 12Months from the date of its execution, unless terminated earlier in accordance with Clause 7 of this Agreement (hereinafter referred to as "Term"). The Agreement shall be reviewed after a period of 6 months from the date of execution for any changes in scope and fees. Any changes, additions or modifications to the agreement shall be as per mutual understanding.

4. Fee and Payment

FOR, LEMON STREET VENTURES PVT. LTD.

DIRECTOR

- 4.1 In consideration of the performance of Services under this Agreement, the Company shall pay the Advisor a ("Fee") of **INR 10,000/- (Rupees Ten thousand only) per month.** Payment shall be made between 1st to 5th of every month to the designated bank account by the Advisor. The Advisor will provide the Invoice for the same.
- 4.2 Cost of components for product development will be borne by the Company. Any expenses that the Advisor may incur in rendering the Services, shall be reimbursed by the Company upon the Company's prior written approval specifically for allowing such expenses, and upon production of documentary proof ("Reimbursement").
- 4.3 The Company has no liability to make any payments whatsoever to the Advisor, other than the Fee and the Reimbursement (for travel or any project related procurements upon prior approval) in accordance with the terms and conditions of this Agreement.
- 4.4 The Company shall provide all hardware and any other material required by Advisor to develop the Product

5. Intellectual Property Rights

- 5.1 "Intellectual property rights" means any and all rights over the patents, copyrights, trademarks, service marks, trade secrets filed and registered for the inventions, designs, specifications, developments, methods, processes, know how, techniques, algorithms, computer software and code, and any of their tangible embodiments, whether registrable or not ("IPR").
- 5.2 The Advisor acknowledges and accepts that ownership of all IPR over the Product and Services as developed by the Company during the duration of this Agreement, shall vest in the Company, and the Company alone. The Advisor shall have no rights or licenses in the IPR of the Product and the Services.
- 5.3 The Advisor acknowledges and accepts that he will promptly disclose to the Company in writing, all information relating to all IPR relating the Product and Services. The Advisor agrees not to use the IPR or disclose any knowledge of the IPR so obtained while developing the Product or providing the Service to any entity other than the Company.
- 5.4 The Advisor shall not institute any action or suit at law or in equity against the Company, nor institute, prosecute or in any way, aid in the institution or prosecution of any claim, demand, action, or cause of action arising out of the ownership of the IPR of the Product/Services or cause of action for invalidating any IPR of the Company.



FOR LEMON STREET VENTURES PVT. LTD.

[Signature]
DIRECTOR



6. Non-Compete Obligations

6.1 In consideration of the Company agreeing to enter into this Agreement, the Advisor agrees and covenants with and undertakes to the Company to undertake the following non-compete obligations:

- (i) The Advisor shall commit sufficient time, attention and energies in rendering the Services and shall not engage in and/or undertake any other activity directly or indirectly competing with the business of the Company during the Term and for a period of 2 years after the expiry of the Term. Competitive activity and/or competition shall mean and include, but not be limited to, being associated with any business and/or activity which is competitive to the business interest of the Company, either as an owner, shareholder, holder of business interest, consultant or advisor;
- (ii) The Advisor shall not use the Confidential Information or IPR of the Company for any purpose except for the provision of Services under this Agreement. The Advisor shall not in any manner assist, directly or indirectly, development of any device which is similar to Product.

7. Termination

- 7.1 The Company and the Advisor shall have the right to terminate this Agreement, without assigning any reasons, by serving a written notice of not less than 15 days, on the Advisor. However, in the event the Advisor is in breach of any of the terms and conditions of this Agreement, the Company shall, without prejudice to any other rights, have the right to terminate this Agreement forthwith by written notice.
- 7.2 This Agreement shall expire automatically upon expiry of the Term. The Parties may, upon terms and conditions to be mutually agreed, extend and/or renew the Term for such further period or periods, as may be mutually agreed.

8. Confidentiality

- 8.1 The Advisor shall during the Term and after termination keep confidential all Confidential Information, which the Advisor may acquire in relation to the Services and shall not use or disclose such information except with the consent of the Company. The restrictions in this Clause 8.1 shall not apply to any information:
- (A) Which is at the date of this Agreement publicly available other than through breach of this Agreement;
 - (B) Which was known to the Advisor, as evidenced by written records, prior to it receiving such confidential information;
 - (C) Which subsequently comes lawfully into the possession of the Advisor by a third party which did not require any obligation of confidentiality; or



FOR, LEMON STREET VENTURES PVT. LTD.

[Signature]
DIRECTOR



(D) Which is disclosed in accordance with the requirements of law, any Governmental authority or any binding judgment, order or requirement of any court or other competent authority.

- 8.2 The Advisor shall return all design and Product development materials including but not limited to codes, algorithms, circuit designs, prototype design, etc. as well as all other material, documentation and other media (whether original, copy or in other forms), data, information, whether stored manually or electronically relating to the Services within 7 days after termination of the Agreement or upon completion of Services, whichever is later.
- 8.3 For the purpose of this Clause "Confidential Information" means all the information of a confidential nature disclosed (whether in writing, verbally or by any other means and whether directly or indirectly) by the Company to the Advisor whether before or after the date of this Agreement, including without limitation technical and business information relating to the Company's proprietary ideas, patentable ideas, copyrights and/or trade secrets, existing and/or contemplated products and services, software, schematics, research and development, production, costs, profit and margin information, finances and financial projections, customers, clients, marketing, and current or future business plans and models, regardless of whether such information is designated as "Confidential Information" at the time of its disclosure.
- 8.4 For maintain security of information and confidentiality, all official communication over email will be with the use of an official email id provided by the Company to the Advisor. No communication with third parties, unrelated to work may be done using the email ID provided. No representation as an Employee of the Company or any other form of misuse may be done using the Company provided email ID.

9. Relationship

- 9.1 Nothing in this Agreement shall constitute or be deemed to constitute a partnership between the Parties or creates an agency relationship. No party shall enter or have the authority to enter any engagement or make any representation or warranty on behalf of or otherwise bind or oblige the other Party hereto.

Notices

Any notice or other communication required to be given hereunder shall be in writing and shall be sufficiently given to the party to be served if delivered personally or sent by registered or recorded delivery post or by facsimile transmission (receipt confirmed) or by email as follows:

FOR, LEMON STREET VENTURES PVT. LTD.

DIRECTOR



If to the Company, addressed to:

dw@tyreexpress.co.in, bks@tyreexpress.co.in, vp@tyreexpress.co.in

Attention: Dinesh Wakale, Brijesh Shukla, Vinit Palkar

If to Advisor, addressed to:

sushil.thale@fcrit.ac.in, principal@fcrit.ac.in

Attention: Dr. Sushil Thale, Dr. S. M. Khot

Any notice served by email as aforesaid shall be deemed served on the earlier of actual receipt or the expiry of 3 days after posting, or upon transmission if served by facsimile.

11. Governing Law, Dispute Resolution and Jurisdiction

- 11.1 This Agreement shall be governed by, and be construed in accordance with the laws of Mumbai.
- 11.2 Any claim, dispute, or controversy arising out of, or in relation to, this Agreement, the interpretation thereof, the activities performed hereunder, or the breach thereof, which cannot, within a reasonable time, be satisfactorily resolved by mutual understanding between the Parties, shall be finally settled through arbitration.
- 11.3 The arbitration proceedings shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 by a sole arbitrator mutually appointed by the Parties. The venue of arbitration shall be in Mumbai and the arbitration proceedings shall be conducted in the English language. The Parties mutually agree that the arbitration award shall be final and binding on the Parties.
- 11.4 Subject to Clause 11.2, The Parties submit to the jurisdiction of the Courts in Mumbai.

12. Headings

- 12.1 The headings in this Agreement are for the convenience of reference only, and shall not be deemed to define or limit any of the terms, conditions, or provisions of this Agreement.

13. Severability

- 13.1 The Parties agree that if any of the provisions of this Agreement is or becomes invalid, illegal or unenforceable, the validity, legality or enforceability of the remaining provisions shall not in any way be affected or impaired. Notwithstanding the foregoing, the Parties shall thereupon negotiate in good faith to agree the terms of a mutually satisfactory provision, achieving as nearly as

FOR, LEMON STREET VENTURES PVT. LTD.

DIRECTOR

possible the same commercial effect, to be substituted for the provision so found to be void or unenforceable.

14. Entire Agreement

- 14.1 This Agreement sets forth the entire agreement and understanding between the Parties and supersedes any previous arrangements between the Parties, whether oral or in writing and no party has relied on any representation of any other save for any representation expressly set out herein.

15. Assignment

- 15.1 The Company shall at any time during the continuance of this Agreement have the absolute right to assign this Agreement to any of its affiliates, nominees, subsidiaries and/or related entities. The Advisor shall not be entitled to assign its rights and obligations hereunder to any other person, without the prior written consent of the Company.

16. Waiver of Rights

- 16.1 No waiver by a Party of a failure to perform any provision of this Agreement shall operate or be construed as a waiver in respect of any other or further failure whether of a like or different character.

17. Amendments

- 17.1 This Agreement may be amended only by an instrument in writing signed by the Parties to this Agreement.

IN WITNESS WHEREOF THE PARTIES HERETO HAVE EXECUTED THESE PRESENTS THE DAY AND YEAR FIRST HEREINABOVE STATED.

SIGNED AND DELIVERED BY Company

By:  Mr. Brijesh Shukla
Designation: DIRECTOR - LEMON STREET VENTURES PRIVATE LIMITED
Date: 01/02/18

FOR LEMON STREET VENTURES PVT. LTD.

DIRECTOR

SIGNED AND DELIVERED BY ADVISOR

BY: Dr. S. M Khot
Designation: PRINCIPAL - Fr. C. RODRIGUES INSTITUTE OF TECHNOLOGY
Date: 01/02/2018





Academic Year: 2017-18

University of Mumbai



Research Project No: 316

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

: Mrs. Sandhya Pati
: Computer Engineering
: Rs. 20,000/-

Mrs. Sandhya P
Mrs. Kinshika M

Ref No. APD/237/323of 2018
27th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of
Technology, Sector 9A
Vashi Navi Mumbai- 400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

Stawani
Assistant Registrar
(Academic Planning & Development)

University of Mumbai



Research Project No: 315

NAME OF THE RESEARCHER : Mrs. Dakshayani Rentachintala
LECTURE IN : Computer Engineering
AMOUNT SANCTIONED : Rs. 25,000/-

Ref No. APD/237/323 of 2018
27th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of Technology,
Sector 9A Vashi
Navi Mumbai- 400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

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Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

Siddhant
Assistant Registrar
(Academic Planning & Development)

Mrs. Dakshayani
Mr. Rahul



महाराष्ट्र MAHARASHTRA

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**MEMORANDUM OF UNDERSTANDING
BETWEEN**

**FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, NAVI MUMBAI
AND
AUTODATA TECHNOLOGIES PVT. LTD. NERUL, NAVI MUMBAI**

1. PREAMBLE

Fr. C. Rodrigues Institute of Technology (FCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai as a part of the Agnel Technical Education Complex by Agnel Ashram Fathers under Agnel Charities Trust. Ever since its inception, in just a short span of time, has established itself as one of the leading Engineering Colleges in Mumbai. This fact is well supported by its excellent results in the University examinations as well as by the extensive facilities provided by the college. This had led to the college being awarded with an 'A' Grade in its very first assessment by the Government of Maharashtra. In addition, National Board of Accreditation (NBA) constituted under clause 10 (V) by AICTE act 1987 awarded accreditation to the College in July 2006 and reaccreditation in Aug 2012.

Autodata has been for 3 decades specializing in advanced, appropriate and affordable automation solutions including Programmable Control systems, SCADA and MIS systems, Variable speed drives,

- 2 NOV 2012

c. **Third parties** - The performance of DDP by the Parties together with one or more third parties.

5. TECHNICAL AREAS OF COLLABORATION

The principal technical area of collaboration between FCRIIT and AUTODATA will be as set out in Annexure A. The major assignment is

"Design and development of an Active Power Filter (details as specified in the Annexure B)"

6. AGREEMENTS FOR CONSULTATION AND RESEARCH COLLABORATION

Each Consultation and Research collaboration undertaken by the parties hereunder shall be initiated by the signing of a separate 'Consultation & Research Agreement' between the parties, which will describe in detail:

- a. the nature, scope and schedule of the research collaboration.
- b. the form of the research collaboration.
- c. the estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) which result from the research collaboration or which belong to a party and are used in research collaboration.
- e. other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

7. CONFIDENTIALITY

- a. During and for a period of Five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
is already known or become known to the receiving party
is received from a third party having no obligations of confidentiality to the disclosing party,
is independently developed by the receiving party; or
is required to be disclosed by law or court order.

8. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

9. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire **two years** after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon **30 days** prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality



clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

10. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

11. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

12. COSTS OF THE MOU

Each party shall bear the respective costs of carrying out the obligations under this MOU.

13. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of on behalf of

Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai

Name: DR S.M. KHOT
Title: PRINCIPAL
Date: 01/10/2017

Witness:

- 1 (Dr. C.S. Male)
- 2 Bundus (Dr. Bundus S)

Autodata Technologies Pvt Ltd,
Nerul, Navi Mumbai

Name: Mr. V. Ravindran
Title: CEO
Date: 21/10/2017

Witness:

- 1 RACHIT RACHIT PRADHAN
- 2 Abhay Kalekar ABHAY LUKAR



MUTUAL NON-DISCLOSURE AGREEMENT

This non-disclosure agreement ("Agreement") is by and between The **Fr.C. Rodrigues Institute of Technology** (herein after referred to as "**FCRIT**") having its address at **Vashi, Navi Mumbai 400703** and **Autodata Technologies Pvt. Ltd.** (hereinafter referred to as "**Autodata**") a corporation having a business address at **Nerul Navi Mumbai - 400 706** on **1st October 2017** being the date when this agreement comes into force.

I. RECITALS

A. **Autodata** and **FCRIT** wish to exchange certain information pertaining to **Design and development of Active Power Filter**. This exchange includes all communication of information between the parties in any form whatsoever, including oral, written and machine-readable form, pertaining to the above which is indicated as confidential.

B. **FCRIT** and **Autodata** wish to exchange the information for the sole purpose of **designing and development of Active Power Filter** and each party regards certain parts of the Information it possesses to be secret and desires to protect those parts from unauthorized disclosure or use (such secret parts being hereafter collectively referred to as "Information").

C. **FCRIT** and **Autodata** are willing to disclose Information (as "Disclosing Party") and receive Information (as "Receiving Party") as the case maybe, on the terms and conditions set forth herein.

II. AGREEMENT

In furtherance to the above mentioned, **FCRIT** and **Autodata** agree to the following:

1. The Receiving Party will:
 - a. Not disclose Information of Disclosing Party to any other person and use at least the same degree of care to maintain the Information confidential as Receiving Party uses in maintaining as confidential its own confidential Information, but always at least a reasonable degree of care; due diligence will be taken by both parties in maintenance of confidential information.
 - b. Use the Information only for the above mentioned purpose;
 - c. Restrict disclosure of the Information of the Disclosing Party solely to those employees of Receiving Party having a need to know such Information in order to accomplish the purpose stated above;
 - d. Advise each such employee, before he or she receives access to the Information, of the obligations of Receiving Party under this Agreement, and require each such employee to agree to maintain those obligations.
 - e. Within fifteen (15) days of notice furnished by either party, the party receiving such notice shall return to the other Party all documentation, copies, notes, diagrams, computer memory media and other materials containing any portion of the Information, or confirm to the other Party, in writing, the destruction of such materials.
2. This Agreement imposes no obligation on Receiving Party with respect to any portion of the Information received from Disclosing Party which
 - a. was known to Receiving Party prior to disclosure by Disclosing Party,
 - b. is lawfully obtained by Receiving Party from a third party under no obligation of confidentiality,
 - c. is or becomes generally known or publicly available other than by unauthorized disclosure,
 - d. is independently developed by Receiving Party or



- e. is disclosed by Disclosing Party to a third party without a duty of confidentiality on the third party.
 - f. is required by law or decree.
3. The Information shall remain the sole property of Disclosing Party.
 4. Neither Disclosing party makes any representation with respect to and does not warrant any information provided under this agreement, but shall furnish such in good faith. Without restricting the generality of the foregoing, neither Disclosing party makes any representations or warranties, whether written or oral, statutory, express or implied with respect to the information which may be provided hereunder, including without limitation, any warranty of merchantability or of fitness for a particular purpose. Neither Disclosing party shall be liable for any special, incidental or consequential damages of any nature whatsoever resulting from receipt or use of the information by the receiving party.
 5. Neither the execution of this Agreement nor the furnishing of any Information hereunder shall be construed as granting either expressly or by implication, any license under or title to any invention, patent, copyright, trademark or trade name now or hereafter owned by or controlled by the party furnishing the Information.
 6. The Receiving Party will not export, directly or indirectly, any technical data acquired from Disclosing Party or any product utilizing any such data to any third party, without first obtaining approval of the Disclosing Party.
 7. The rights and obligations of the parties under this Agreement may not be sold, assigned or otherwise transferred (subject to contract).
 8. The obligation of this Agreement shall be continuing for a period of **Five** years after the disclosure has been made. However, FCRT is free to use the Information solely for the purpose of teaching after a period of Five years.
 9. This Agreement can be terminated on thirty (30) days written notice by either party. However, Receiving Party's obligations of confidentiality and restrictions on use of the Information disclosed by Disclosing Party shall survive termination of this Agreement.
 10. The result of this development will not be communicated to any third party for a period upto five years after the completion of this project by either FCRT or Autodata Technologies Pvt Ltd

This agreement will be construed and governed in accordance with the laws of India. Any dispute arising out or in connection with the agreement shall be settled within the jurisdiction of Mumbai courts.

IN WITNESS WHEREOF, the parties have executed this agreement effective as of the date first written above.

For
FR.C. Rodrigues Institute of Technology, Vashi
Navi Mumbai

Name : Dr. S. M. KHAT
Date : 01/10/2012

Witness :

1 Dr. S. S. Thakur
2 Bhimu Chaudhary



For
Autodata Technologies Pvt Ltd, Nerul,
Navi Mumbai

Name : CEO
Date : 01/10/2012

Witness :

1 Rachit Pradhan
2 Abhay Lokhar

APPENDIX-A

CONSULTATION AND RESEARCH AGREEMENT

This Agreement is made and entered into as of Consultation And Research Agreement by and between **Autodata Technologies Pvt. Ltd.**, a Company incorporated under the Companies Act 1956 and having its office at **Nerul Navi Mumbai - 400 706**, hereinafter referred to as '**AUTODATA**', of the FIRST PART,

AND

Fr. C. Rodrigues Institute of Technology, a educational institution in engineering disciplines Vashi, Navi Mumbai-400 703, India, hereinafter referred to as '**FCRIT**', of the SECOND PART. **AUTODATA** and **FCRIT** are collectively referred to herein as 'Parties'.

Whereas Autodata has been there for 3 decades specialized in advanced, appropriate and affordable automation solutions including Programmable Control systems, SCADA and MIS systems, Variable speed drives, Servo applications, Heater controls, Embedded systems, Electrostatic Precipitator systems, Battery chargers, Rectifiers, Motor and Power Control Centers.

Whereas FCRIT is among the premier education institutions in India engaged in higher learning, research and development.

Whereas both Parties hereto have agreed to jointly work on Projects in topics of mutual interest as defined below and develop Products under terms and conditions mutually agreed upon by the Parties

and

Whereas the Parties desire to record the broad terms and conditions that are jointly accepted and agreed to in this Agreement as contained hereunder.

1. DEFINITION

- (a) 'Projects' shall mean and include the individual Projects under the Agreement, the terms and conditions for execution of each of which shall be jointly agreed upon, in writing.
- (b) 'AUTODATA know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, owned and provided by AUTODATA, which are required for the Projects.
- (c) 'FCRIT know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise owned and provided by FCRIT, which are required for the Projects.
- (d) 'AUTODATA Personnel' shall mean the personnel or research and development engineers of the Company deputed for the Projects.
- (e) 'FCRIT Personnel' shall mean the faculty members and / or scientists and / or students and / or staff of FCRIT deputed for the Projects.
- (f) 'Principal Investigator' shall mean the individual, employee of FCRIT, having the responsibility of conducting and supervising the Project(s) under this agreement.
- (g) 'Co-Investigator' shall mean the individual(s) participating in the Project(s) under the supervision of Principal Consultant / Investigator, including, but not limited to, students, employees, representatives, and agents.
- (h) 'Project Consultant./ Investigator Team' shall comprise the Principal Consultant/Investigator and the Co-Investigators participating in the Project(s) under this agreement.
- (i) 'Products' shall mean the results, software, hardware or other deliverable generated as a result of work to meet the objectives of the Projects funded by AUTODATA.
- (j) 'AUTODATA - FCRIT Consultation and Research Programme' shall mean the activities envisaged under this Agreement.

2. ITEMS / AREAS OF COLLABORATION AND PROJECT CONSULTANT.

The parties agree to collaborate in the following said items/areas:

- (a) Design and Development of a 3 phase 60Amps 415 volts rated Active Power Filter with reactive power compensation, load balancing and harmonic compensation up to 50th harmonic.

- (b) Training of AUTODATA personnel through FCRIT in areas related to Active Power Filter

Dr. Sushil Thale, Professor and Dean (R&D) will be the Principal Consultant/ Investigator for the FCRIT

3. SCOPE OF AGREEMENT

AUTODATA and FCRIT shall work jointly to carry out Projects in the above said items / areas for developing Products and with specific objectives, terms & conditions to be jointly agreed under the Agreement.

4. ACTIVITIES AND OBLIGATIONS OF COMPANY

(a) AUTODATA shall be responsible for providing the funds required for the Projects, as identified in each Project. AUTODATA may depute appropriate AUTODATA personnel to participate in the Projects, as per mutual agreement.

(b) AUTODATA will provide AUTODATA know-how, which may be deemed necessary for the Projects.

(c) AUTODATA shall take reasonable steps to prevent FCRIT know-how, which are meant only for the purpose of conducting the Projects, from unauthorised usage or falling into unauthorised hands. AUTODATA shall ensure that AUTODATA personnel working on projects sign appropriate non-disclosure agreements to prevent unauthorised usage or disclosure of materials or information received under this Agreement.

5. ACTIVITIES AND OBLIGATIONS OF FCRIT

(a) FCRIT shall strive to complete the activities in the said items/areas and deliver the Products to AUTODATA as per the individual Project objectives and schedules as agreed upon.

(b) FCRIT shall take reasonable steps to prevent AUTODATA know-how, which are meant only for the purpose of conducting the Project(s), from unauthorised usage or falling into unauthorised hands. FCRIT shall ensure that FCRIT personnel and the Project Investigator Team working on Projects sign appropriate non-disclosure agreements.

6. FINANCIAL AND OTHER ARRANGEMENTS

The consideration payable to FCRIT for individual Project cost and the schedule of payment would be as mutually agreed upon for each Project. Any other Project related payment will be as per mutual agreement given in writing. Financial arrangements related to Intellectual Property Rights sharing will be as spelt in clause 11.

7. ASSIGNMENT

The Parties hereto shall not transfer or assign any of their rights and obligations under this Agreement to any other party without obtaining prior consent in writing from other Parties hereto.

8. TERM / DURATION

This Agreement shall be initially valid for a period of **08 months** from the date of signing of this agreement. The Parties may extend the term of this Agreement for additional periods as desired under mutually agreeable terms and conditions which shall be reduced to writing and signed by the Parties.

9. TERMINATION

Any of the Parties may terminate this Agreement by serving a written notice on the other Parties **one** month prior to the intended date of termination provided that the termination by either of the parties shall not relieve that party of its obligations accrued prior to such termination, under a specific Project.

10. NOTICES

All communications by AUTODATA involving financial, administrative and other matters shall be sent to Dean R&D, FCRIT. All information of scientific and technical nature may be exchanged directly between the Project Investigator from FCRIT and appropriate AUTODATA personnel as identified in writing, for the Project concerned.

11. INTELLECTUAL PROPERTY AND COMMERCIAL RIGHTS

(a) Title to all inventions, discoveries or developments made solely by FCRIT inventors resulting from the Consultation and Research Programme shall reside in FCRIT; title to all inventions, discoveries and developments made solely by AUTODATA inventors resulting from the Research Programme shall reside in AUTODATA; title to all inventions, discovery, development or other intellectual property including but not limited to copyrights, patents and industrial designs made jointly by FCRIT and AUTODATA resulting from the Consultation and Research Programme shall reside in AUTODATA.

12. CONFIDENTIALITY

(a) It may be necessary for FCRIT and AUTODATA to disclose to or exchange with each other proprietary information relating to FCRIT know-how and AUTODATA know-how, which are confidential and proprietary. The disclosing party shall advise authorised personnel of the receiving party appropriately regarding the confidential nature of the information disclosed. The Party receiving such confidential or proprietary information shall not, unless specifically permitted in writing by the Party providing the said information, disclose in whole or part any such confidential or proprietary information or divulge any information thereon to any person other than its Personnel for fulfilling the purpose of this Agreement. The disclosure to any such Personnel as aforesaid, of any such confidential or proprietary information, shall be in confidence and only to the extent necessary for carrying out the obligations herein.

(b) The obligations of confidentiality set forth above shall be applicable for **Three** years from the termination of the relevant Agreement.

(c) The obligations of confidentiality however shall not apply to information that:

- i. is not disclosed in writing or reduced to writing and marked with appropriate confidentiality legend within thirty (30) days after disclosure;
- ii. is already in the recipient party's possession at the time of disclosure;
- iii. is or later becomes part of the public domain through no fault of the recipient party;
- iv. is received from a third party having no obligations of confidentiality to the disclosing party;
- v. is independently developed by the recipient party; or
- vi. is required by law or regulation to be disclosed.

13. ARBITRATION, APPLICABLE LAW AND JURISDICTION

(a) Any disputes between the parties shall be resolved by mutual discussions. Unresolved disputes, if any, shall be subject to resolution by a panel consisting of the Dean R&D, FCRIT, who shall represent FCRIT, and Chairman / Managing Director, AUTODATA, who shall represent AUTODATA. If the dispute cannot be resolved by the said panel, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The venue of arbitration shall be Mumbai. The decision of the arbitrator shall be binding on both parties.

(b) This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts in Mumbai.

14. CONSULTATION CHARGES

AUTODATA will pay consultation fees of **INR 8.1 Lacs + GST** for the period of 1st October 2017 – 31st May 2018. This will be paid on bimonthly basis. Any travelling/ lodging / boarding expenses



incurred for execution of project for the FCRIIT staff beyond the jurisdiction of Mumbai will be borne by AUTODATA provided the prior approval is obtained by AUTODATA.

Cost of the component and related hardware requirements for the project (excluding any testing equipments if required) will be taken care by AUTODATA.

15. GENERAL

(a) The terms and Conditions for publication of the research results in journals / conferences, and / or patenting or copyrighting the Products shall be mutually agreed upon.

(b) Any addition, deletion and / or alteration to this Agreement may be effected with a written agreement of all the Parties to this Agreement concerning the amendments. A document containing the additions, deletions and/or alterations, and signed by all Parties hereto, shall form an annexure to and be deemed to be a part of this Agreement.

(c) The headings of various clauses herein are inserted for convenience of reference and are not deemed to affect the meaning or construction of relative provisions.

(d) FCRIIT will have the right to continue to utilise the intellectual property generated as part of the R&D work carried out under this project for its research and for teaching purposes.

(e) This Agreement and its Appendices constitute the entire agreement among the Parties' and supersede all other representations, understandings or communication whether written or verbal, with respect to the subject matter hereof.

16. FORCE MAJEURE

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes not confined to the premises of the party, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the Parties hereto have set and subscribed their respect; hands and seal on the 1st day, October 2017 herein above mentioned.

Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai

Name: DR. S. M. KHOT
Title: PRINCIPAL
Date: 01/10/2017

Witness:

1 (Dr. S. S. Thakur)

2 B. Vidyal (Dr. B. M. ...)



Autodata Technologies Pvt Ltd,
Nerul, Navi Mumbai

Name: M. V. Govindarajan
Title: CEO
Date: 01/10/2017

Witness:

1 RACHIT PRADHAN

2 Abhay ...

ABHAY ...

Annexure B

Autodata Technologies Pvt Ltd, Nerul, Navi Mumbai Specifications of APF

Sr. No	Specifications	Rating
1	Standard RMS output current ratings	60 A
2	Nominal voltage	480 V $\pm$ 10%
3	Nominal frequency	50 $\pm$ 3 Hz
4	Number of phases	3P/3W, 3P/4W
5	Power electronics switches	IGBT: Two Level topology
6	Switching / control frequency	20/40 kHz
7	Normal spectrum of compensation	2nd to 50th harmonic (2.5 kHz) (individually selectable) Individually selectable degree of harmonic reduction
8	Measurement Parameters	Current with CT(3 Nos.) and Voltage with PT(3 Nos.)
9	Power factor correction	Leading or lagging injection to target power factor
10	Dynamic Response time	< 50 microseconds (for step load change)
11	Continuous operating load	Limited to nominal output,
12	Dynamic current injection	Up to 2.00 times rated current
13	Heat losses / efficiency	< 2000 W / > 95%
14	HMI: High quality 4/5 inch, VGA screen and touch screen terminal Display parameters →	AC line voltage, DC bus voltage, load power factor, output power factor, Load harmonic current, load reactive current, output harmonic current, corrected source current
15	HMI: Alarm/Control Input/ Output →	Various fault codes, set up parameter points, start/stop control screen
16	Communication capability:	RS 485 and/or TCP/IP and/or CAN with Modbus
17	Parallel multiple units	yes
18	Switchgears and Protection	Source side and Load side contactor, Charge contactor Fuse Unit and MCCB
19	Controller	Floating-point 32 bit TI DSP: TMS3320F28379
20	EMI/ EMC	Evaluation and Certification

Handwritten signatures and initials.

Timeline for Execution of APF Project

Project Period: October 2017-May 2018

Sr. No	Activity	Oct 2017	Nov 2017	Dec 2017	Jan 2018	Feb 2018	Mar 2018	April 2018	May 2018	June 2018	Remark
1	Finalisation of APF specifications										
2	Harmonic components extraction and other relevant parametric measurement algorithm										Simulation and testing on primitive hardware
3	Simulation and modelling of APF hardware (in Matlab) and mathematical modelling										
4	Design calculations of APF Power Hardware										
5	Procurement of components and subsystems										
6	Design of PCBs and Placement of components										Modelling for thermal and EMI
7	Fabrication of APF Power Hardware										
8	Design and fabrication of Measurement and Auxiliary circuits for APF										
9	Control loop design for APF hardware										
10	DSP coding of APF control algorithm										
11	Pilot testing of APF Hardware with DSP code										
12	Refinement in Hardware design										
13	Refinement in DSP codes										
14	Design and fabrication of HMI Interface										With Autodata design team
15	Testing for Maximum rating verification										
16	Design and fabrication of enclosure for enclosure and subassemblies for first prototype										With Autodata fabrication team
17	Final Lab testing of first prototype										
18	Field testing of prototyped APF										
17	EMI / EMC Modelling and verification										
18	Revisiting the complete design and final refinement in the design										
19	Document (manuals and specifications sheets along with test results) preparation										
20	Handing Over the APF design, Prototype and documentation and closure of project										

Dr. Sushil Thale (FCRIT, Vashi)

Mr. V. Govindarajan (Autodata Technologies Pvt. Ltd)

University of Mumbai



Research Project No: 378

NAME OF THE RESEARCHER : Dr. S.M. Khot
LECTURE IN : Mechanical Engineering
AMOUNT SANCTIONED : Rs. 78,000/-

Ref No. APD/237/323 of 2018

27th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of Technology,
Sector 9A Vashi
Navi Mumbai- 400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two instalments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

Sudhant
Assistant Registrar
(Academic Planning & Development)

University of Mumbai



Research Project No: 375

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Dr. Nitin V. Satpute
Mechanical Engineering
Rs. 50,000/-

Ref No. APD/237/22 of 2018
37th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of Technology,
Sector 9A Vashi
Navi Mumbai- 400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

University of Mumbai



Research Project No: 379

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Ms. Pallavi Khairi
Mechanical Engineering
Rs. 35,000/-

Ref No: APD/237/323 of 2018
27th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of Technology,
Sector 9A Vashi
Navi Mumbai- 400 703.

Sub: Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

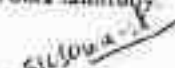
Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,


Assistant Registrar
(Academic Planning & Development)

University of Mumbai



Research Project No: 461

NAME OF THE RESEARCHER : **Mr. Yogesh Narayan Chandrakar**
LECTURE IN : **Electronics & Telecommunication**
AMOUNT SANCTIONED : **Rs. 30,000/-**

Ref No. APD/237/323of 2018

27th March, 2018

To,
The Principal,
Agnel Charitable Trust's Fr. Conceicao Rodrigues Institute of Technology, Sector 9-A, Vashi, Navi
Mumbai-400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

University of Mumbai



Research Project No: 462

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

Mrs. Sacha Revankar
Electronics & Telecommunication
Rs. 30,000 /-

Ref No: APD/237/23 of 2018
27th March, 2018

To,
The Principal,
Fr. C. Rodrigues Institute of Technology,
Sector 9A Vashi,
Navi Mumbai- 400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research



Research Project No: 453

NAME OF THE RESEARCHER
LECTURE IN
AMOUNT SANCTIONED

• Mrs. Anita Joshi
• Electronics & Telecommunication
• Rs. 22,000/-

Ref No. APD/237/221 of 2018
27th March, 2018

To,
The Principal,
Agnel Charitable Trust's Fr. Conceicao Rodrigues
Institute of Technology, Sector 9-A,
Vashi,
Navi Mumbai-400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully

Siddhant
Assistant Registrar
(Academic Planning & Development)

3114313



महाराष्ट्र MAHARASHTRA

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SP 050961



श्रीमती. एम. वि. नंदन

**MEMORANDUM OF UNDERSTANDING
BETWEEN
FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, NAVI MUMBAI
AND
AMA PVT. LTD, MUMBAI**

1. PREAMBLE

Fr. C. Rodrigues Institute of Technology (FCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai as a part of the Agnel Technical Education Complex by Agnel Ashram Fathers under Agnel Charities Trust. Ever since its inception, in just a short span of time, has established itself as one of the leading Engineering Colleges in Mumbai. This fact is well supported by its excellent results in the University examinations as well as by the extensive facilities provided by the college. This had led to the college being awarded with an 'A' Grade in its very first assessment by the Government of Maharashtra. In addition, National Board of Accreditation (NBA) constituted under clause 10 (V) by AICTE act 1987 awarded accreditation to the College in July 2006 and reaccreditation in Aug 2012.

AMA, a pioneer in the field of Airfield Lighting in India, has been involved in aviation for over 6 decades. AMA's wide range of equipment is installed at virtually every civil and defence airport across the country. From the very beginning, AMA's goal has been to manufacture the highest quality Airfield Lighting Equipment. AMA's wide range of equipment is installed at virtually every international, domestic and defence airport throughout India ranging from Kashmir to Trivandrum and Kutch to the Andaman Islands. Technical excellence and commercial integrity has made AMA the undisputed leader in this field in India. AMA has offices at Mumbai, New Delhi and Ahmedabad and factories at Sion and Ahmedabad. AMA's capabilities include design, supply, installation, commissioning, training and maintenance of complete Airfield & Heliport Lighting, Visual Docking Guidance systems and Helideck Visual Landing Aid systems for ships.

This Agreement made and entered into on this 1st day of November 2017 between Agnel Charities' Fr. C. Rodrigues Institute Of Technology (hereinafter called FCRIT) situated at Navi Mumbai 400703, an institute affiliated to University of Mumbai and AMA Pvt Ltd., Fort, Mumbai, 400001 (hereinafter called "AMA" which expression shall include its successors and permitted assignees).

2. OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a. to promote interaction between FCRIT and AMA in mutually beneficial areas.
- b. to provide a formal basis for initiating interaction between FCRIT and AMA.

3. PROPOSED MODES OF COLLABORATION

FCRIT and AMA propose to collaborate through

- a. Consultation, guidance and support from FCRIT to AMA for the design and development of their LED based products.
- b. Training of AMA personnel through FCRIT in areas of interest to AMA.
- c. Any other appropriate mode of interaction agreed upon between FCRIT and AMA.

The above modes of interaction will be initiated by entering into a agreement between the two parties.

4. FORMS OF DESIGN AND DEVELOPMENT PROGRAM

The form of any of the said consultation, guidance and support for the Design and Development Program (DDP) may include the following:

- a. **In their own existing facilities** - The performance of DDP individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.
- b. **In a separate development facility** - The performance of DDP by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported/ sponsored by either Party.
- c. **Third parties** - The performance of DDP by the Parties together with one or more third parties.

5. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between FCRIT and AMA will be as set out in Annexure A.

- 1) Design and Development of the entire range of LED lights suitable for Airfield Applications to achieve optimum photometric output and best efficiency of drivers.
- 2) Design and Development of other equipments used in Airfield Lighting Applications.
- 3) Conducting energy audits for our various airport clients as a value added service.

6. AGREEMENTS FOR CONSULTATION AND RESEARCH COLLABORATION

- a. the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) which result from the research collaboration or which belong to a party and are used in research collaboration.
- b. other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

7. CONFIDENTIALITY

- a. During and for a period of five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
 - is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party;
 - is already known or become known to the receiving party;
 - is received from a third party having no obligations of confidentiality to the disclosing party;
 - is independently developed by the receiving party; or
 - is required to be disclosed by law or court order.

8. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.

9. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire **two years** after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon **30 days** prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

10. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

11. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

12. COSTS OF THE MOU

Each Party shall bear the respective costs of carrying out the obligations under this MOU.

13. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

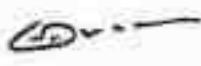


On behalf of on behalf of

Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai


Name: Dr. S. M. Khot
Title: Principal
Date: 16/11/17

Witness:

- 1  (Dr. S. S. Mahajan)
- 2  (Jatin Desai)

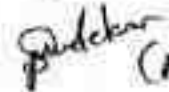
AMA Pvt Ltd, Mumbai




Name: SAMEER PATIL
Title: DIRECTOR
Date: 16/11/17



Witness:

- 1  (Rahul Pampar)
- 2  (Milind Sawant)

APPENDIX

CONSULTATION AND RESEARCH AGREEMENT

This Agreement is made and entered into as of **Consultation And Research Agreement** by and between **AMA Pvt. Ltd.**, a Company incorporated under the Companies Act 1956 and having its office at **Fort, Mumbai, 400001**, hereinafter referred to as "AMA", of the FIRST PART,

AND

Fr. C. Rodrigues Institute of Technology, a educational institution in engineering disciplines Vashi, Navi Mumbai-400 703, India, hereinafter referred to as 'FCRIT', of the SECOND PART. AMA and FCRIT are collectively referred to herein as 'Parties'.

Whereas AMA is engaged in the business of Airfield Lighting in India and has been involved in aviation for over 6 decades.

Whereas FCRIT is among the premier education institutions in India engaged in higher learning, research and development.

Whereas both Parties hereto have agreed to jointly work on Projects in topics of mutual interest as defined below and develop Products under terms and conditions mutually agreed upon by the Parties

and

Whereas the Parties desire to record the broad terms and conditions that are jointly accepted and agreed to in this Agreement as contained hereunder.

1. DEFINITION

- (a) 'Projects' shall mean and include the individual Projects under the Agreement, the terms and conditions for execution of each of which shall be jointly agreed upon, in writing.
- (b) 'AMA know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, owned and provided by AMA, which are required for the Projects.
- (c) 'FCRIT know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise owned and provided by FCRIT, which are required for the Projects.
- (d) 'AMA Personnel' shall mean the personnel or research and development engineers of the Company deputed for the Projects.
- (e) 'FCRIT Personnel' shall mean the faculty members and / or scientists and / or students and / or staff of FCRIT deputed for the Projects.
- (f) 'Principal Investigator' shall mean the individual, employee of FCRIT, having the responsibility of conducting and supervising the Project(s) under this agreement.
- (g) 'Co-Investigator' shall mean the individual(s) participating in the Project(s) under the supervision of Principal Consultant / Investigator, including, but not limited to, students, employees, representatives, and agents.
- (h) 'Project Consultant / Investigator Team' shall comprise the Principal Consultant/Investigator and the Co-Investigators participating in the Project(s) under this agreement.
- (i) 'Products' shall mean the results, software, hardware or other deliverable generated as a result of work to meet the objectives of the Projects funded by AMA.
- (j) 'AMA - FCRIT Consultation and Research Programme' shall mean the activities envisaged under this Agreement.

2. ITEMS / AREAS OF COLLABORATION AND PROJECT CONSULTANT.

The parties agree to collaborate in the following said items/areas:

- (a) Consultation for Design and Development of the entire range of LED lights suitable for Airfield Applications to achieve optimum photometric output and best efficiency of drivers
 - (b) Facilitation for conducting energy audits for our various airport clients as a value added service
- Dr. Sushil Thale, Professor and Dean (R&D) will be the Principal Consultant/ Investigator for the FCRIT**

3. SCOPE OF AGREEMENT

AMA and FCRIT shall work jointly to carry out Projects in the above said items / areas for developing Products and with specific objectives, terms & conditions to be jointly agreed under the Agreement.

4. ACTIVITIES AND OBLIGATIONS OF COMPANY

(a) AMA shall be responsible for providing the funds required for the Projects, as identified in each Project. AMA may depute appropriate AMA personnel to participate in the Projects, as per mutual agreement.

(b) AMA will provide AMA know-how, which may be deemed necessary for the Projects.

(c) AMA shall take reasonable steps to prevent FCRIIT know-how, which are meant only for the purpose of conducting the Projects, from unauthorised usage or falling into unauthorised hands. AMA shall ensure that AMA personnel working on projects sign appropriate non-disclosure agreements to prevent unauthorised usage or disclosure of materials or information received under this Agreement.

5. ACTIVITIES AND OBLIGATIONS OF FCRIIT

(a) FCRIIT shall strive to complete the activities in the said items/areas and deliver the Products to AMA as per the individual Project objectives and schedules as agreed upon.

(b) FCRIIT shall take reasonable steps to prevent AMA know-how, which are meant only for the purpose of conducting the Project(s), from unauthorised usage or falling into unauthorised hands. FCRIIT shall ensure that FCRIIT personnel and the Project Investigator Team working on Projects sign appropriate non-disclosure agreements.

6. FINANCIAL AND OTHER ARRANGEMENTS

The consideration payable to FCRIIT for individual Project cost and the schedule of payment would be as mutually agreed upon for each Project. Any other Project related payment will be as per mutual agreement given in writing. Financial arrangements related to Intellectual Property Rights sharing will be as spelt in clause 11.

7. ASSIGNMENT

The Parties hereto shall not transfer or assign any of their rights and obligations under this Agreement to any other party without obtaining prior consent in writing from other Parties hereto.

8. TERM / DURATION

This Agreement shall be initially valid for a period of **one** year from the date of signing of this agreement. The Parties may extend the term of this Agreement for additional periods as desired under mutually agreeable terms and conditions which shall be reduced to writing and signed by the Parties.

9. TERMINATION

Any of the Parties may terminate this Agreement by serving a written notice on the other Parties **one** month prior to the intended date of termination provided that the termination by either of the parties shall not relieve that party of its obligations accrued prior to such termination, under a specific Project.

10. NOTICES

All communications by AMA involving financial, administrative and other matters shall be sent to Dean R&D, FCRIIT. All information of scientific and technical nature may be exchanged directly between the Project Investigator from FCRIIT and appropriate AMA personnel as identified in writing, for the Project concerned.

11. INTELLECTUAL PROPERTY AND COMMERCIAL RIGHTS

(a) Title to all inventions, discoveries or developments made solely by FCRIIT inventors resulting from the Consultation and Research Programme shall reside in FCRIIT; title to all inventions, discoveries and developments made solely by AMA inventors resulting from the Research Programme shall reside in AMA; title to all inventions, discovery, development or other intellectual property including but not limited to copyrights, patents and industrial designs made jointly by FCRIIT and AMA resulting from the Consultation and Research Programme shall reside in AMA.

12. CONFIDENTIALITY

(a) It may be necessary for FCRIT and AMA to disclose to or exchange with each other proprietary information relating to FCRIT know-how and AMA know-how, which are confidential and proprietary. The disclosing party shall advise authorised personnel of the receiving party appropriately regarding the confidential nature of the information disclosed. The Party receiving such confidential or proprietary information shall not, unless specifically permitted in writing by the Party providing the said information, disclose in whole or part any such confidential or proprietary information or divulge any information thereon to any person other than its Personnel for fulfilling the purpose of this Agreement. The disclosure to any such Personnel as aforesaid, of any such confidential or proprietary information, shall be in confidence and only to the extent necessary for carrying out the obligations herein.

(b) The obligations of confidentiality set forth above shall be applicable for five years from the termination of the relevant Agreement.

(c) The obligations of confidentiality however shall not apply to information that:

- i. is not disclosed in writing or reduced to writing and marked with appropriate confidentiality legend within thirty (30) days after disclosure;
- ii. is already in the recipient party's possession at the time of disclosure;
- iii. is or later becomes part of the public domain through no fault of the recipient party;
- iv. is received from a third party having no obligations of confidentiality to the disclosing party;
- v. is independently developed by the recipient party; or
- vi. is required by law or regulation to be disclosed.

13. ARBITRATION, APPLICABLE LAW AND JURISDICTION

(a) Any disputes between the parties shall be resolved by mutual discussions. Unresolved disputes, if any, shall be subject to resolution by a panel consisting of the Dean R&D, FCRIT, who shall represent FCRIT, and Chairman / Managing Director, AMA, who shall represent AMA. If the dispute cannot be resolved by the said panel, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The venue of arbitration shall be Mumbai. The decision of the arbitrator shall be binding on both parties.

(b) This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts in Mumbai.

14. CONSULTATION CHARGES

AMA will pay consultation fees of INR 2.5 Lacs + GST for the period of November 2017 - October 2018. This will be paid on quarterly basis. Any travelling/ lodging / boarding expenses incurred for execution of project for the FCRIT staff beyond the jurisdiction of Mumbai will be borne by AMA provided the prior approval is obtained by AMA.

14. GENERAL

(a) The terms and Conditions for publication of the research results in journals / conferences, and / or patenting or copyrighting the Products shall be mutually agreed upon.

(b) Any addition, deletion and / or alteration to this Agreement may be effected with a written agreement of all the Parties to this Agreement concerning the amendments. A document containing the additions, deletions and/or alterations, and signed by all Parties hereto, shall form an annexure to and be deemed to be a part of this Agreement.

(c) The headings of various clauses herein are inserted for convenience of reference and are not deemed to affect the meaning or construction of relative provisions.

(d) FCRIT will have the right to continue to utilise the intellectual property generated as part of the R&D work carried out under this project for its research and for teaching purposes.

(e) This Agreement and its Appendices constitute the entire agreement among the Parties' and supersede all other representations, understandings or communication whether written or verbal, with respect to the subject matter hereof.

15. FORCE MAJEURE

Neither party shall be held responsible for non-fulfilment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes not confined to the premises of the party, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the Parties hereto have set and subscribed their respect; hands and seal on the day, month and year first herein above mentioned.

FOR AND ON BEHALF OF FCRIIT

IN THE PRESENCE OF
WITNESS

1.  (Dr. S. S. Thakur)

2.  (JATIN DESAI)



FOR AND ON BEHALF OF AMA

IN THE PRESENCE OF
WITNESS




Rahul Pawar (Engineer)
F-11, New Market Colony
Bhandarkar, Opp. N.T.S. Bldg.
Vile Parle (E)
Mumbai 400 099

MUTUAL NON-DISCLOSURE AGREEMENT

This non-disclosure agreement ("Agreement") is by and between The Fr.C. Rodrigues Institute of Technology (herein after referred to as "FCRIT") having its address at Vashi, Navi Mumbai 400703 and AMA Pvt Ltd (hereinafter referred to as "AMA") a corporation having a business address at Fort, Mumbai, 400001 on **1st November 2017** being the date when this agreement comes into force.

I. RECITALS

A. AMA and FCRIT wish to exchange certain information pertaining to **Design and development of LED based Airfield Lighting Products**. This exchange includes all communication of information between the parties in any form whatsoever, including oral, written and machine-readable form, pertaining to the above which is indicated as confidential.

B. FCRIT and AMA wish to exchange the information for the sole purpose of **researching the energy efficiency improvement in airfield lighting technology** and each party regards certain parts of the Information it possesses to be secret and desires to protect those parts from unauthorized disclosure or use (such secret parts being hereafter collectively referred to as "Information").

C. FCRIT and AMA are willing to disclose Information (as "Disclosing Party") and receive Information (as "Receiving Party") as the case maybe, on the terms and conditions set forth herein.

II. AGREEMENT

In furtherance to the above mentioned, FCRIT and Company agree to the following:

1. The Receiving Party will:
 - a. Not disclose Information of Disclosing Party to any other person and use at least the same degree of care to maintain the Information confidential as Receiving Party uses in maintaining as confidential its own confidential Information, but always at least a reasonable degree of care; due diligence will be taken by both parties in maintenance of confidential Information.
 - b. Use the Information only for the above mentioned purpose;
 - c. Restrict disclosure of the Information of the Disclosing Party solely to those employees of Receiving Party having a need to know such Information in order to accomplish the purpose stated above;
 - d. Advise each such employee, before he or she receives access to the Information, of the obligations of Receiving Party under this Agreement, and require each such employee to agree to maintain those obligations.
 - e. Within fifteen (15) days of notice furnished by either party, the party receiving such notice shall return to the other Party all documentation, copies, notes, diagrams, computer memory media and other materials containing any portion of the Information, or confirm to the other Party, in writing, the destruction of such materials.
2. This Agreement imposes no obligation on Receiving Party with respect to any portion of the Information received from Disclosing Party which
 - a. was known to Receiving Party prior to disclosure by Disclosing Party,
 - b. is lawfully obtained by Receiving Party from a third party under no obligation of confidentiality,
 - c. is or becomes generally known or publicly available other than by unauthorized disclosure,
 - d. is independently developed by Receiving Party or
 - e. is disclosed by Disclosing Party to a third party without a duty of confidentiality on the third party.
 - f. is required by law or decree.
3. The Information shall remain the sole property of Disclosing Party.
4. Neither Disclosing party makes any representation with respect to and does not warrant any information provided under this agreement, but shall furnish such in good faith. Without restricting the generality of the foregoing, neither Disclosing party makes any representations or warranties, whether written or oral, statutory, express or implied with respect to the information which may be provided hereunder, including without limitation, any warranty of merchantability or of fitness for a particular purpose. Neither Disclosing party shall be liable for any special, incidental or consequential damages of any nature whatsoever resulting from receipt or use of the information by the receiving party.

5. Neither the execution of this Agreement nor the furnishing of any Information hereunder shall be construed as granting either expressly or by implication, any license under or title to any invention, patent, copyright, trademark or trade name now or hereafter owned by or controlled by the party furnishing the Information.
6. The Receiving Party will not export, directly or indirectly, any technical data acquired from Disclosing Party or any product utilizing any such data to any third party, without first obtaining approval of the Disclosing Party.
7. The rights and obligations of the parties under this Agreement may not be sold, assigned or otherwise transferred (subject to contract).
8. The obligation of this Agreement shall be continuing for a period of Five years after the disclosure has been made. However, FCRIIT is free to use the Information solely for the purpose of teaching after a period of Five years.
9. This Agreement can be terminated on thirty (30) days written notice by either party. However, Receiving Party's obligations of confidentiality and restrictions on use of the Information disclosed by Disclosing Party shall survive termination of this Agreement.

This agreement will be construed and governed in accordance with the laws of India. Any dispute arising out or in connection with the agreement shall be settled within the jurisdiction of Mumbai courts.

IN WITNESS WHEREOF, the parties have executed this agreement effective as of the date first written above.

For
FR.C. Rodrigues Institute of Technology, Vashi

Name: Dr. S. M. KHOT
Date: 16/11/17



Witness:

- 1 [Signature] (Dr. S. S. Thakur)
- 2 [Signature] (JATIN DESAI)

For
AMA Pvt Ltd, Mumbai

Name: SAMEER PATEL
Date: 16/11/17



Witness:

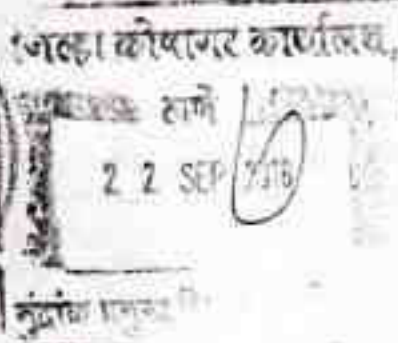
- 1 [Signature] (Ratna Parag)
- 2 [Signature] (Milind Sawadekar)



महाराष्ट्र MAHARASHTRA

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**MEMORANDUM OF UNDERSTANDING****BETWEEN****FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY, NAVI MUMBAI****AND****SHUBH DIE CASTINGS PVT. LTD. VASAI, THANE****1. PREAMBLE**

Fr. C. Rodrigues Institute of Technology (FCRIT) is one of the leading academic institutions of Mumbai University. It was established in 1994 at Vashi, Navi Mumbai as a part of the Agnel Technical Education Complex by Agnel Ashram Fathers under Agnel Charities Trust. Ever since its inception, in just a short span of time, has established itself as one of the leading Engineering Colleges in Mumbai. This fact is well supported by its excellent results in the University examinations as well as by the extensive facilities provided by the college. This had led to the college being awarded with an 'A' Grade in its very first assessment by the Government of Maharashtra. In addition, National Board of Accreditation (NBA) constituted under clause 10 (V) by AICTE act 1987 awarded accreditation to the College in July 2006 and reaccréditation in Aug 2012.

Established in the year 2008, Shubh Die Castings Pvt. Ltd. is a foremost organization betrothed in the area of Manufacturing, Exporting, Supplying, Distributing, Wholesaling, Service Providing of Castings as per customer requirements. From the enormous assortment of products provided, Shubh Die Cast also provide solutions in Aluminum Pressure Die Casting, Zinc Die Casting, Alloy, Non Ferrous

संलग्नक-२/ Annexure-II

१. मूल्य निर्धारण करदाता अथवा करदाता/दफ्तार	१७७९८३
२. दस्तावेज प्रमाण	
३. इतर कोणत्या कोणत्या अर्थाने द्यावे?	होय / नाही
४. मिळविलेल्या वस्तुवस्तु वस्तु -	
५. मूल्य निर्धारण करदाता/दफ्तार कोणत्या अर्थाने द्यावे?	Agnel charity
६. इतर कोणत्या कोणत्या अर्थाने द्यावे, याला अर्थ आहे.	Nagnath
७. दस्तावेज प्रमाणित करणे साध	
८. मूल्य निर्धारण करदाता/दफ्तार	
९. दस्तावेज प्रमाणित करदाता/दफ्तार कोणत्या अर्थाने द्यावे, याला अर्थ आहे.	मिलेरा सी. भोजने दस्तावेज क्र. १२०१०३, १०/१२/२०११, माला-२, माला, माला, अथवा माला ३०० १०३.
१०. कोणत्या कोणत्या अर्थाने द्यावे, याला अर्थ आहे.	

123 SEP 2016

23 SEP 2016

Casting, Non Stick Cookware and in a various of sizes and requirements to meet the ever increasing necessities and demands of our patrons. Along with this, Shubh DieCast ensure that our professional make use of supreme class material in their production procedure.

This Agreement made and entered into on this **21st day of March 2017** between Agnel Charities' Fr. C. Rodrigues Institute of Technology (hereinafter called FCRIT) situated at Navi Mumbai 400703, an institute affiliated to University of Mumbai and Shubh Die Castings Pvt. Ltd. Vasai, Thane, 401208 (hereinafter called "SDCPL" which expression shall include its successors and permitted assignees).

2. OBJECTIVES OF THE MOU

The objective of this Memorandum of Understanding is:

- a. to promote interaction between FCRIT and SDCPL in mutually beneficial areas.
- b. to provide a formal basis for initiating interaction between FCRIT and SDCPL.

3. PROPOSED MODES OF COLLABORATION

FCRIT and SDCPL propose to collaborate through

- a. Consultation, guidance and support from FCRIT to SDCPL for the design and development of their LED based products.
- b. Training of SDCPL personnel through FCRIT in areas of interest to SDCPL.
- c. Any other appropriate mode of interaction agreed upon between FCRIT and SDCPL.

The above modes of interaction will be initiated by entering into a agreement between the two parties.

4. FORMS OF DESIGN AND DEVELOPMENT PROGRAM

The form of any of the said consultation, guidance and support for the Design and Development Program (DDP) may include the following:

- a. In their own existing facilities - The performance of DDP individually by each Party or concurrently by both Parties in mixed groups at their own facilities with regular exchanges of results.

[Signature]

- b. **In a separate development facility** - The performance of DDP by the technical personnel of both Parties working together in the facilities of one Party or in mixed groups at the facilities supported/ sponsored by either Party.
- c. **Third parties** - The performance of DDP by the Parties together with one or more third parties.

5. TECHNICAL AREAS OF COLLABORATION

The principal technical areas of collaboration between FCRIT and SDCPL will be as set out in Annexure A.

- 1) Consultation to facilitate the Design and development of LED lamp drivers in the range of 12 W to 200W capacity
- 2) Technical assistance to develop the manufacturing facility for the SDCPL
- 3) Technical assistance to develop the testing facility for the SDCPL

6. AGREEMENTS FOR CONSULTATION AND RESEARCH COLLABORATION

Each Consultation and Research collaboration undertaken by the parties hereunder shall be initiated by the signing of a separate 'Consultation & Research Agreement' between the parties, which will describe in detail:

- a. the nature, scope and schedule of the research collaboration.
- b. the form of the research collaboration.
- c. the estimated cost of the research collaboration together with the amount of funding, if any, to be received from third parties.
- d. the treatment of intellectual property and data rights, including patents, industrial design registration, copyrights and all other proprietary information (including innovations not patented, designs not registered etc.) which result from the research collaboration or which belong to a party and are used in research collaboration.
- e. other provisions as may be mutually agreed upon, including provisions covering the consequences of default or termination by a participant, term, arbitration of disputes and applicable law.

7. CONFIDENTIALITY

- a. During and for a period of Five years from the date of disclosure, each party agrees to consider as confidential all information disclosed by the other party in written or tangible form or, if orally disclosed confirmed in writing within thirty days of disclosure and identified as confidential by the disclosing party.
- b. The obligations above shall not extend to any confidential information for which the receiving party can prove that this information:
 - is in the public domain at the time of disclosure or comes within the public domain without fault of the receiving party.
 - is already known or become known to the receiving party
 - is received from a third party having no obligations of confidentiality to the disclosing party,
 - is independently developed by the receiving party; or
 - is required to be disclosed by law or court order.

8. NON-EXCLUSIVITY

The relationship of the parties under this MOU shall be nonexclusive and both parties, including their affiliates, subsidiaries and divisions, are free to pursue other agreements or collaborations of any kind. However, when entering into a particular research agreement, the participants may agree to limit each party's right to collaborate with others on that subject.



9. TERMS AND TERMINATION

This MOU, unless extended by mutual written agreement of the parties, shall expire **Three** years after the effective date specified in the opening paragraph. This MOU may be amended or terminated earlier by mutual written agreement of the parties at any time. Either party shall have the right to unilaterally terminate this MOU upon **30 days** prior written notice to the other party. However, no such early termination of this MOU, whether mutual or unilateral, shall affect the obligations of the participants under any Research Agreement, Confidentiality clause as referenced in clause 6 above, or any other agreement entered into pursuant to this MOU, which obligations shall survive any such termination.

10. RELATIONSHIP

Nothing in this MOU shall be construed to make either party a partner, an agent or legal representative of the other for any purpose.

11. ASSIGNMENT

It is understood by the Parties herein this MOU is based on the professional competence and expertise of each party and hence neither Party shall transfer or assign this Agreement, or rights or obligations arising hereunder, either wholly or in part, to any third party.

12. COSTS OF THE MOU

Each party shall bear the respective costs of carrying out the obligations under this MOU.

13. SIGNED IN DUPLICATE

This MOU is executed in duplicate with each copy being an official version of the Agreement and having equal legal validity.

BY SIGNING BELOW, the parties, acting by their duly authorized officers, have caused this Memorandum of Understanding to be executed, effective as of the day and year first above written.

On behalf of on behalf of

Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai

Name: DR. S. M. KHOT
Title: PRINCIPAL
Date:

Witness:

1.  (Dr. S. S. Thakur)
2.  (JATIN DESAI)



Shubh Die Casting Pvt Ltd,
Vasai, Thane

Name: DEEPA SHAI
Title: DIRECTOR
Date:

Witness:

1.  VIVEK V. JAIN
2.  ASHAY LOKKAR

APPENDIX

CONSULTATION AND RESEARCH AGREEMENT

This Agreement is made and entered into as of **Consultation And Research Agreement** by and between **Shubh Die Castings Pvt. Ltd.**, a Company incorporated under the Companies Act 1956 and having its office at **Vasai, Thane, 401208**, hereinafter referred to as '**SDCPL**', of the FIRST PART,

AND

Fr. C. Rodrigues Institute of Technology, a educational institution in engineering disciplines Vashi, Navi Mumbai-400 703, India, hereinafter referred to as '**FCRIT**', of the SECOND PART. **SDCPL** and **FCRIT** are collectively referred to herein as 'Parties'.

Whereas SDCPL established in the year 2008, is a foremost organization betrothed in the area of Manufacturing, Exporting, Supplying, Distributing, Wholesaling, Service Providing of Castings as per customer requirements,

Whereas FCRIT is among the premier education institutions in India engaged in higher learning, research and development.

Whereas both Parties hereto have agreed to jointly work on Projects in topics of mutual interest as defined below and develop Products under terms and conditions mutually agreed upon by the Parties
and

Whereas the Parties desire to record the broad terms and conditions that are jointly accepted and agreed to in this Agreement as contained hereunder.

1. DEFINITION

(a) 'Projects' shall mean and include the individual Projects under the Agreement, the terms and conditions for execution of each of which shall be jointly agreed upon, in writing.

(b) 'SDCPL know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, owned and provided by SDCPL, which are required for the Projects.

(c) 'FCRIT know-how' shall mean and include all know-how of methods, material, software, designs, patterns, formats, proprietary technical literature, and information developed, published or otherwise owned and provided by FCRIT, which are required for the Projects.

(d) 'SDCPL Personnel' shall mean the personnel or research and development engineers of the Company deputed for the Projects.

(e) 'FCRIT Personnel' shall mean the faculty members and / or scientists and / or students and / or staff of FCRIT deputed for the Projects.

(f) 'Principal Investigator' shall mean the individual, employee of FCRIT, having the responsibility of conducting and supervising the Project(s) under this agreement.

(g) 'Co-Investigator' shall mean the individual(s) participating in the Project(s) under the supervision of Principal Consultant / Investigator, including, but not limited to, students, employees, representatives, and agents.

(h) 'Project Consultant/ Investigator Team' shall comprise the Principal Consultant/Investigator and the Co-Investigators participating in the Project(s) under this agreement.

(i) 'Products' shall mean the results, software, hardware or other deliverable generated as a result of work to meet the objectives of the Projects funded by SDCPL.

(j) 'SDCPL - FCRIT Consultation and Research Programme' shall mean the activities envisaged under this Agreement.

2. ITEMS / AREAS OF COLLABORATION AND PROJECT CONSULTANT.

The parties agree to collaborate in the following said items/areas:

(a) Consultation, guidance, Design Development and support from FCRIT to SDCPL for their LED based products.

(b) Training of SDCPL personnel through FCRIT in areas of interest to SDCPL.

Dr. Sushil Thale, Professor and Dean (R&D) will be the Principal Consultant/ Investigator for the FCRI

3. SCOPE OF AGREEMENT

SDCPL and FCRI shall work jointly to carry out Projects in the above said items / areas for developing Products and with specific objectives, terms & conditions to be jointly agreed under the Agreement.

4. ACTIVITIES AND OBLIGATIONS OF COMPANY

(a) SDCPL shall be responsible for providing the funds required for the Projects, as identified in each Project. SDCPL may depute appropriate SDCPL personnel to participate in the Projects, as per mutual agreement.

(b) SDCPL will provide SDCPL know-how, which may be deemed necessary for the Projects.

(c) SDCPL shall take reasonable steps to prevent FCRI know-how, which are meant only for the purpose of conducting the Projects, from unauthorised usage or falling into unauthorised hands. SDCPL shall ensure that SDCPL personnel working on projects sign appropriate non-disclosure agreements to prevent unauthorised usage or disclosure of materials or information received under this Agreement.

5. ACTIVITIES AND OBLIGATIONS OF FCRI

(a) FCRI shall strive to complete the activities in the said items/areas and deliver the Products to SDCPL as per the individual Project objectives and schedules as agreed upon.

(b) FCRI shall take reasonable steps to prevent SDCPL know-how, which are meant only for the purpose of conducting the Project(s), from unauthorised usage or falling into unauthorised hands. FCRI shall ensure that FCRI personnel and the Project Investigator Team working on Projects sign appropriate non-disclosure agreements.

6. FINANCIAL AND OTHER ARRANGEMENTS

The consideration payable to FCRI for individual Project cost and the schedule of payment would be as mutually agreed upon for each Project. Any other Project related payment will be as per mutual agreement given in writing. Financial arrangements related to Intellectual Property Rights sharing will be as spelt in clause 11.

7. ASSIGNMENT

The Parties hereto shall not transfer or assign any of their rights and obligations under this Agreement to any other party without obtaining prior consent in writing from other Parties hereto.

8. TERM / DURATION

This Agreement shall be initially valid for a period of **18 months** from the date of signing of this agreement. The Parties may extend the term of this Agreement for additional periods as desired under mutually agreeable terms and conditions which shall be reduced to writing and signed by the Parties.

9. TERMINATION

Any of the Parties may terminate this Agreement by serving a written notice on the other Parties **one** month prior to the intended date of termination provided that the termination by either of the parties shall not relieve that party of its obligations accrued prior to such termination, under a specific Project.

10. NOTICES

All communications by SDCPL involving financial, administrative and other matters shall be sent to Dean R&D, FCRI. All information of scientific and technical nature may be exchanged directly



between the Project Investigator from FCRIT and appropriate SDCPL personnel as identified in writing, for the Project concerned.

11. INTELLECTUAL PROPERTY AND COMMERCIAL RIGHTS

(a) Title to all inventions, discoveries or developments made solely by FCRIT inventors resulting from the Consultation and Research Programme shall reside in FCRIT; title to all inventions, discoveries and developments made solely by SDCPL inventors resulting from the Research Programme shall reside in SDCPL; title to all inventions, discovery, development or other intellectual property including but not limited to copyrights, patents and industrial designs made jointly by FCRIT and SDCPL resulting from the Consultation and Research Programme shall reside in SDCPL.

(b) Any benefits accruing from assignment of rights to third parties will be shared between FCRIT and SDCPL under mutually agreed terms.

(c) Any modification / further development of the Results obtained from the Projects under this agreement, by the SDCPL shall be done with the explicit written consent of FCRIT.

12. CONFIDENTIALITY

(a) It may be necessary for FCRIT and SDCPL to disclose to or exchange with each other proprietary information relating to FCRIT know-how and SDCPL know-how, which are confidential and proprietary. The disclosing party shall advise authorised personnel of the receiving party appropriately regarding the confidential nature of the information disclosed. The Party receiving such confidential or proprietary information shall not, unless specifically permitted in writing by the Party providing the said information, disclose in whole or part any such confidential or proprietary information or divulge any information thereon to any person other than its Personnel for fulfilling the purpose of this Agreement. The disclosure to any such Personnel as aforesaid, of any such confidential or proprietary information, shall be in confidence and only to the extent necessary for carrying out the obligations herein.

(b) The obligations of confidentiality set forth above shall be applicable for Three years from the termination of the relevant Agreement.

(c) The obligations of confidentiality however shall not apply to information that:

- i. is not disclosed in writing or reduced to writing and marked with appropriate confidentiality legend within thirty (30) days after disclosure;
- ii. is already in the recipient party's possession at the time of disclosure;
- iii. is or later becomes part of the public domain through no fault of the recipient party;
- iv. is received from a third party having no obligations of confidentiality to the disclosing party;
- v. is independently developed by the recipient party; or
- vi. is required by law or regulation to be disclosed.

13. ARBITRATION, APPLICABLE LAW AND JURISDICTION

(a) Any disputes between the parties shall be resolved by mutual discussions. Unresolved disputes, if any, shall be subject to resolution by a panel consisting of the Dean R&D, FCRIT, who shall represent FCRIT, and Chairman / Managing Director, SDCPL, who shall represent SDCPL. If the dispute cannot be resolved by the said panel, the matter shall be resolved by arbitration in accordance with the Arbitration and Conciliation Act, 1996. The venue of arbitration shall be Mumbai. The decision of the arbitrator shall be binding on both parties.

(b) This agreement shall be governed by the Laws of India and subject to the jurisdiction of Courts in Mumbai.

14. CONSULTATION CHARGES

SDCPL will pay consultation fees of **INR 8 Lacs (inclusive of all taxes) for the period of 1st April 2017 – 30th September 2018**. This will be paid on quarterly basis. Any travelling/ lodging / boarding expenses incurred for execution of project for the FCRIT staff beyond the jurisdiction of Mumbai will be borne by SDCPL provided the prior approval is obtained by SDCPL.



15. GENERAL

(a) The terms and Conditions for publication of the research results in journals / conferences, and / or patenting or copyrighting the Products shall be mutually agreed upon.

(b) Any addition, deletion and / or alteration to this Agreement may be effected with a written agreement of all the Parties to this Agreement concerning the amendments. A document containing the additions, deletions and/or alterations, and signed by all Parties hereto, shall form an annexure to and be deemed to be a part of this Agreement.

(c) The headings of various clauses herein are inserted for convenience of reference and are not deemed to affect the meaning or construction of relative provisions.

(d) FCRIT will have the right to continue to utilise the intellectual property generated as part of the R&D work carried out under this project for its research and for teaching purposes.

(e) This Agreement and its Appendices constitute the entire agreement among the Parties' and supersede all other representations, understandings or communication whether written or verbal, with respect to the subject matter hereof.

16. FORCE MAJEURE

Neither party shall be held responsible for non-fulfillment of their respective obligations under this Agreement due to the exigency of one or more of the force majeure events such as but not limited to acts of God, War, Flood, Earthquakes, Strikes not confined to the premises of the party, Lockouts beyond the control of the party claiming force majeure, Epidemics, Riots, Civil Commotions etc. provided on the occurrence and cessation of any such event the party affected thereby shall give a notice in writing to the other party within one month of such occurrence or cessation. If the force majeure conditions continue beyond six months, the parties shall jointly decide about the future course of action.

IN WITNESS WHEREOF, the Parties hereto have set and subscribed their respect; hands and seal on 21st March 2017 herein above mentioned.

For

FRC. Rodrigues Institute of Technology, Vashi

Name: DR. S. M. KHOT

Date :

Witness :

1  (Dr. S. M. Khot)

2  (JATIN DESAI)



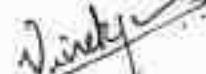
For

Shubh Die Casting Pvt Ltd, Vasai,

Name: DEEPA R. SHAI

Date :

Witness :

1  VIVEK-V. JAIN

2  ABHAY LOLEKAR



MUTUAL NON-DISCLOSURE AGREEMENT

This non-disclosure agreement ("Agreement") is by and between The **Fr.C. Rodrigues Institute of Technology** (herein after referred to as "**FCRIT**") having its address at Vashi, Navi Mumbai 400703 and **Shubh Die Castings Pvt. Ltd.** (hereinafter referred to as "**SDCPL**") a corporation having a business address at Vasai, Thane, 401208 on 1st April 2017 being the date when this agreement comes into force.

I. RECITALS

A. **SDCPL** and **FCRIT** wish to exchange certain information pertaining to **Design and development of LED lamp drivers in the range of 12 W to 200W capacity**. This exchange includes all communication of information between the parties in any form whatsoever, including oral, written and machine-readable form, pertaining to the above which is indicated as confidential.

B. **FCRIT** and **SDCPL** wish to exchange the information for the sole purpose of **researching the high quality and reliable LED driver technology** and each party regards certain parts of the Information it possesses to be secret and desires to protect those parts from unauthorized disclosure or use (such secret parts being hereafter collectively referred to as "Information").

C. **FCRIT** and **SDCPL** are willing to disclose Information (as "Disclosing Party") and receive Information (as "Receiving Party") as the case maybe, on the terms and conditions set forth herein.

II. AGREEMENT

In furtherance to the above mentioned, **FCRIT** and **SDCPL** agree to the following:

1. The Receiving Party will:

- a. Not disclose Information of Disclosing Party to any other person and use at least the same degree of care to maintain the Information confidential as Receiving Party uses in maintaining as confidential its own confidential Information, but always at least a reasonable degree of care, due diligence will be taken by both parties in maintenance of confidential information.
- b. Use the Information only for the above mentioned purpose;
- c. Restrict disclosure of the Information of the Disclosing Party solely to those employees of Receiving Party having a need to know such Information in order to accomplish the purpose stated above;
- d. Advise each such employee, before he or she receives access to the Information, of the obligations of Receiving Party under this Agreement, and require each such employee to agree to maintain those obligations.
- e. Within fifteen (15) days of notice furnished by either party, the party receiving such notice shall return to the other Party all documentation, copies, notes, diagrams, computer memory media and other materials containing any portion of the Information, or confirm to the other Party, in writing, the destruction of such materials.

2. This Agreement imposes no obligation on Receiving Party with respect to any portion of the Information received from Disclosing Party which

- a. was known to Receiving Party prior to disclosure by Disclosing Party,
- b. is lawfully obtained by Receiving Party from a third party under no obligation of confidentiality,
- c. is or becomes generally known or publicly available other than by unauthorized disclosure,
- d. is independently developed by Receiving Party or



- e. is disclosed by Disclosing Party to a third party without a duty of confidentiality on the third party.
 - f. is required by law or decree.
3. The Information shall remain the sole property of Disclosing Party.
 4. Neither Disclosing party makes any representation with respect to and does not warrant any information provided under this agreement, but shall furnish such in good faith. Without restricting the generality of the foregoing, neither Disclosing party makes any representations or warranties, whether written or oral, statutory, express or implied with respect to the information which may be provided hereunder, including without limitation, any warranty of merchantability or of fitness for a particular purpose. Neither Disclosing party shall be liable for any special, incidental or consequential damages of any nature whatsoever resulting from receipt or use of the information by the receiving party.
 5. Neither the execution of this Agreement nor the furnishing of any Information hereunder shall be construed as granting either expressly or by implication, any license under or title to any invention, patent, copyright, trademark or trade name now or hereafter owned by or controlled by the party furnishing the Information.
 6. The Receiving Party will not export, directly or indirectly, any technical data acquired from Disclosing Party or any product utilizing any such data to any third party, without first obtaining approval of the Disclosing Party.
 7. The rights and obligations of the parties under this Agreement may not be sold, assigned or otherwise transferred (subject to contract).
 8. The obligation of this Agreement shall be continuing for a period of Five years after the disclosure has been made. However, FCRIT is free to use the Information solely for the purpose of teaching after a period of Five years.
 9. This Agreement can be terminated on thirty (30) days written notice by either party. However, Receiving Party's obligations of confidentiality and restrictions on use of the Information disclosed by Disclosing Party shall survive termination of this Agreement.

This agreement will be construed and governed in accordance with the laws of India. Any dispute arising out or in connection with the agreement shall be settled within the jurisdiction of Mumbai courts.

IN WITNESS WHEREOF, the parties have executed this agreement effective as of the date first written above.

For
FR.C. Rodrigues Institute of Technology, Vashi

Name : DR. S.M. KHOT
Date :

Witness :

- 1 [Signature] (Dr. S.S. Thakur)
- 2 [Signature] (Jatin Desai)



For
Shubh Die Casting Pvt Ltd

Name : DEEP E. SHAI
Date :

Witness :

- 1 [Signature] VINEK. V. JAIN
- 2 [Signature] ABHAY LOLEKAR

M/s. Shubh Die Castings Pvt. Ltd., Vasai, Thane

Design and Development of LED based Products

Project Consultancy Charges Payment Schedule

Sr. No	Months and Year	Date of Payment	Amount (Rs)	Project Status
1	April 2017- June 2017	10 th Apr 2017	40000/-	Start of the project
2	July 2017-Oct 2017	10 th July 2017	40000/-	
3	Nov 2017-Dec 2017	10 th Nov 2017	60000/-	
4	Jan. 2018-Feb 2018	10 th Jan 2018	100000/-	Major landmark
5	Mar2018- April 2018	10 th Mar 2018	100000/-	
6	May 2018- June 2018	10 th May 2018	130000/-	Major landmark
7	July 2018- Aug 2018	10 th July 2018	130000/-	
8	Sept 2018	31 st Sept 2018	200000/-	Closure of the project
		Total	Rs.8 Lacs	

Payment to be made by cheque in the name of Fr. C. Rodrigues Institute of Technology

On behalf of on behalf of

Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai

Name: *DR. S. M. KHOT*
Title: *PRINCIPAL*
Date:



Shubh Die Casting Pvt Ltd,
Vasai, Thane

Name: *DEEPA SHAM*
Title: *DIRECTOR*
Date:

[Signature]

3.1.14 3.1.3 6

University of Mumbai



Research Project No: 309

NAME OF THE RESEARCHER LECTURE IN AMOUNT SANCTIONED	: Mrs. Bindu R. : Electrical Engineering : Rs. 23,000/-
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Ref No, API/237/323 of 2018
27th March, 2018

To,
The Principal,
Agnel Charitable Trust's
Fr. Conceicao Rodrigues Institute of Technology,
Sector 9-A, Vashi,
Navi Mumbai-400 703.

Sub: - Minor Research Grant Project.

Sir/Madam,

I am directed to inform you that the said proposal has been considered by the University and the research grant as quoted above is sanctioned to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 40% of the sanctioned amount will be disbursed within the month of March. The remaining 60% amount will be disbursed up to 31st August, 2018.

The researcher is expected to spend 60% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the 40% sanctioned amount on or before 31st March, 2018 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head/Institute/University Department of the College to the Accounts Section of University.

Please note that 60% balance amount out of sanctioned grant will be released after presentation of your proposal & final approval of the committee. You need to submit utilization certificate after presentation of your research and final approval of 60% grant including bills/vouchers/receipts in original through University Accounts Section.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st August 2018.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,
Resawant



Academic Year: 2016-17

University of Mumbai

Research Project No: 562
NAME OF THE RESEARCHER: Prof. Rakhi Kalantari
LECTURE IN Comp. Engg.
AMOUNT SANCTIONED: Rs. 20000/-

Ref No. APD/237/429 of 2017

16 January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute of Tech.
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Rakhi Kalantari, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


For REGISTRAR

Mrs. Rakhi K
Mrs. Kavita S

University of Mumbai

Research Project No: 563

NAME OF THE RESEARCHER: Prof. Smita Dange

LECTURE IN Comp. Engg

AMOUNT SANCTIONED: Rs. 20000/-

Ref No. APD/237/L29 of 2017

16 January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute of
Technology, Vashi,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum
Smita Dange, I am directed to inform you that the
said proposal has been considered by the University and the Committee has recommended
research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50%
of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS
Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to
carry out the work. Please note that 50% balance amount, out of sanctioned grant will be
released on the submission of utilization certificate including bills/vouchers/receipts in
original on or before 31st March, 2017 failing of which the advance amount granted will be
recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount
before 31st March, 2017 and submit original bills/vouchers of the expenditure along with
Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute
/University Department/College, to the A.P.D. Section, after verification through the Accounts
Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be
submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher
accordingly and arrange to forward his/her undertaking along with RTGS Form
immediately to enable this office to release first instalment of the research grant,
accordingly.



Yours faithfully,

[Signature]
P6- REGISTRAR

University of Mumbai

NAME OF THE RESEARCHER: Prof. Prasad A. Bari Research Project No: 597
LECTURE IN Mechanical
AMOUNT SANCTIONED: Rs. 30,000/-

Ref No. APD/237/427 of 2017
16th January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute of
Technology, Vashi, Navi Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Prof. Prasad A. Bari, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


For REGISTRAR

University of Mumbai

NAME OF THE RESEARCHER: Mr. Kshirsagar Nanaji G. Research Project No: 541
LECTURE IN Mechanical
AMOUNT SANCTIONED: Rs. 30,000/-

Ref No. APD/2371/129 of 2017
16th January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute of Technology
Vashi, Navi Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Mr. Kshirsagar Nanaji G., I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


For REGISTRAR

University of Mumbai

Research Project No: 592

NAME OF THE RESEARCHER: Dr. Nilaj N. Deshmukh

LECTURE IN Mechanical

AMOUNT SANCTIONED: Rs. 25,000/-

Ref No. APD/237/429 of 2017

16th January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute of
Technology Vashi Navi Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum
Dr. Nilaj N. Deshmukh, I am directed to inform you that the
said proposal has been considered by the University and the Committee has recommended
research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50%
of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS
Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to
carry out the work. Please note that 50% balance amount, out of sanctioned grant will be
released on the submission of utilization certificate including bills/vouchers/receipts in
original on or before 31st March, 2017 failing of which the advance amount granted will be
recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount
before 31st March, 2017 and submit original bills/vouchers of the expenditure along with
Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute
/University Department/College, to the A.P.D. Section, after verification through the Accounts
Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 022.

The report of the research work carried out by the concerned researcher will have to be
submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher
accordingly and arrange to forward his/her undertaking along with RTGS Form
immediately to enable this office to release first instalment of the research grant,
accordingly.

Yours faithfully,


FOR REGISTRAR

University of Mumbai

Research Project No: 580

NAME OF THE RESEARCHER: Mr. Sanjay W. Rukhade
LECTURE IN Mechanical Engg
AMOUNT SANCTIONED: Rs. 30,000/-

Ref No. APD/237/429 of 2017

14/11 January, 2017

To,
The Principal,

Fr. Conceicao Rodrigues Institute
Vashi Navi, Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Mr. Sanjay W. Rukhade, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,



For REGISTRAR

2016-2017
Accepted - Work in Progress

**Memorandum of Understanding
Between
Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India)
and
Rave Gears (India)**

This Memorandum of Understanding (MOU) is being signed between Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India) and Rave Gears (India). The clauses to be followed by both the parties under this MOU are as follows:

1. Rave Gears (India) will fund the research projects carried out in Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India).
2. The commencement of funding process for each project will be subjected to the approval of that particular project by Rave Gears (India).
3. The funding amount for each project will be transferred to the Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India) upon approval of the respective project and Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India) will disburse the funding against the bills produced by the Investigators.
4. The funding head will include purchasing of items, availing testing / consultancy facilities, getting components manufactured, travelling, attending conferences, and recruiting Junior / Senior Research Fellows for the projects.
5. Rave Gears (India) will be paying Overhead of 10% of the total funding amount to Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India) for each Project.
6. In the case of any project, if the funding amount is found to be inadequate during the execution of the project, Rave Gear (India) will extend the funding amount after reviewing the reasons for the shortfall of the approved funding for the particular project.
7. The Intellectual Property Rights (IPR) of each project carried out through this MOU will remain jointly with Rave Gears (India) and Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India), however, the rights of distribution of monetary benefits will remain solely with Rave Gears (India).
8. Publication of the work carried out through this MOU, in any Conference / Journal will be subjected to the approval of Rave Gears (India).
9. Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India) will maintain the confidentiality of research projects and will not share any technical information about the project with any third party without the permission of Rave Gears (India).
10. Dr. Nitesh P. Yelve will do correspondence with Rave Gears (India) on behalf of Fr. C. Rodrigues Institute of Technology, Navi Mumbai (India).

For and on behalf of

Fr. C. Rodrigues Institute of Technology
Navi Mumbai (India)

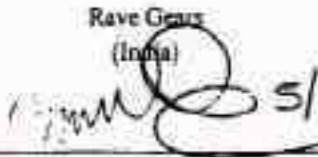

Principal

Date: 13/05/2017 Witness 1.

Witness 2.

For and on behalf of

Rave Gears
(India)


Manager


(Dr. Nitesh P. Yelve) 13/05/2017

Smart Weight Based Toll collection V Vehicle detection
during collision using R.A.D.

University of Mumbai

Research Project No: E33

NAME OF THE RESEARCHER: Ms. Sashana Bai

LECTURE IN Electronics & Telecommunication Engineering

AMOUNT SANCTIONED: Rs. 20000/-

RefNo. APD/2371/144 of 2017

15th January, 2017

To,
The Principal,

Fr. C. Rodrigues Institute of Technology,
Sector - 4, B, Vashi, Navi Mumbai
Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum
Ms. Sashana Bai, I am directed to inform you that the
said proposal has been considered by the University and the Committee has recommended
research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50%
of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS
Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to
carry out the work. Please note that 50% balance amount, out of sanctioned grant will be
released on the submission of utilization certificate including bills/vouchers/receipts in
original on or before 31st March, 2017 failing of which the advance amount granted will be
recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount
before 31st March, 2017 and submit original bills/vouchers of the expenditure along with
Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute
/University Department/College, to the A.P.D. Section, after verification through the Accounts
Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be
submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher
accordingly and arrange to forward his/her undertaking along with RTGS Form
immediately to enable this office to release first instalment of the research grant,
accordingly.

Yours faithfully,


FOR REGISTRAR

Design & Implementation of Low Cost Gesture Recognition
using Neural N/W's.

University of Mumbai

Research Project No: 534

NAME OF THE RESEARCHER: Smt. Sreedevi Naik

LECTURE IN Electronic & Telecommunication

AMOUNT SANCTIONED: Rs. 20,000/-

Ref No. APD/237/429 of 2017

16th January, 2017

To,

The Principal,

Fr C. Rodrigues Institute of Technology
Sector 9 A, Vashi, Navi Mumbai
Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum
Smt. Sreedevi Naik, I am directed to inform you that the
said proposal has been considered by the University and the Committee has recommended
research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50%
of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS
Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to
carry out the work. Please note that 50% balance amount, out of sanctioned grant will be
released on the submission of utilization certificate including bills/vouchers/receipts in
original on or before 31st March, 2017 failing of which the advance amount granted will be
recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount
before 31st March, 2017 and submit original bills/vouchers of the expenditure along with
Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute
/University Department/College, to the A.P.D. Section, after verification through the Accounts
Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be
submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher
accordingly and arrange to forward his/her undertaking along with RTGS Form
immediately to enable this office to release first instalment of the research grant,
accordingly.

Yours faithfully,


PRINCIPAL

Implementation of Automatic Control for Smart Irrigation
System based on Wireless Sensor Network & IoT.

University of Mumbai

Research Project No: 535

NAME OF THE RESEARCHER: Smt. Keerthi L. Rani

LECTURE IN Electronic & Telecommunication

AMOUNT SANCTIONED: Rs. 18,000/-

Ref No. APD/237/429 of 2017

16th January, 2017

To,

The Principal,

Fr. C. Rodrigues Institute of Technology
Sector 9A, Vashi Navi Mumbai
Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Smt. Keerthi L. Rani, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


REGISTRAR

University of Mumbai

Research Project No: 536

NAME OF THE RESEARCHER: Mrs. Savitri S. Upadhyay
LECTURE IN Electric & Telecommunication
AMOUNT SANCTIONED: Rs. 15,000/-

Ref No. APD/237/ 4-9 of 2017

16th January, 2017

To,

The Principal,

Fr. C. Rodrigues Institute of Technology
Sector 9 A, Vashi, Navi Mumbai
Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Mrs. Savitri S. Upadhyay, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


P6: REGISTRAR

IOT Based Biometric Voting Machine

University of Mumbai

Research Project No: 537

NAME OF THE RESEARCHER: MS. Smita S. Hande

LECTURE IN Electronic & Telecommunication

AMOUNT SANCTIONED: Rs. 18,000/-

Ref No. APD/2371/424 of 2017

16th January, 2017

To,
The Principal,

Fr. C. Rodrigues Institute of Technology
Sector 9A Vashi Navi Mumbai
Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum MS. Smita S. Hande, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai-400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


REGISTRAR



DHANWANTARI HOSPITAL

SECTOR NO. 27, TILAK ROAD, PRADEHARAN, MIDC, PUNE - 411044.
☎ 2755950 / 2755952, 27559706 Web : www.dhanwantarihospital.in
E-mail : hdhanwantari@gmail.com

Date:

Date: 10/11/2016

To,
Dr. Sushil Thale
Professor (Electrical Engineering)
Fr. C. Rodrigues Institute of Technology
Vashi, Navi Mumbai 400703

Sub: Consultancy Work for Electrical Audit and Solar PV installation at Dhanwantari Medical Foundation Nigadi, Pune

Dear Dr. Thale,

I request you to carry out an audit of the electrical installation at Dhanwantari Medical Foundation Hospital, Nigadi in order to evaluate the following:

- 1) Appropriate use of electrical energy
- 2) Electrical installation safety aspects

Also request you to provide consultation for installation of proposed solar PV rooftop system and restoration of the existing solar PV rooftop system.

I will be thankful if you accept this request and carry out the needful work immediately..

Thanking you

Yours truly

Dr. Mrs Patil
For Dhanwantari Medical Foundation Hospital, Nigadi

M.D. (Chet & Dnyanesh)
Reg. No. - 52313

(Dispensed by
(Stamp of Medical Store)

• Please bring this prescription next time. •

University of Mumbai

Research Project No: 403

NAME OF THE RESEARCHER: Dr. Bindu S.

LECTURE IN Engineering

AMOUNT SANCTIONED: Rs. 15,000/-

Ref No. APD/237/ of 2017
January, 2017

To,
The Principal,
Fr. C. Rodrigues Inst. of Tech.
Vashi
Near Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Dr. Bindu S., I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gt. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


Per REGISTRAR

✓ Design and demonstration of a Power up
emulator of a teaching aid.

University of Mumbai

Research Project No: 404

NAME OF THE RESEARCHER: Divya M.

LECTURE IN Engineering

AMOUNT SANCTIONED: Rs. 30,000/-

Ref No. APD/237/ of 2017
January, 2017

To,

The Principal,

Fr. C. Rodrigues Inst of Tech.
Vashi
Navi Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum
Divya M. I am directed to inform you that the
said proposal has been considered by the University and the Committee has recommended
research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50%
of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS
Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to
carry out the work. Please note that 50% balance amount, out of sanctioned grant will be
released on the submission of utilization certificate including bills/vouchers/receipts in
original on or before 31st March, 2017 failing of which the advance amount granted will be
recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount
before 31st March, 2017 and submit original bills/vouchers of the expenditure along with
Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute
/University Department/College, to the A.P.D. Section, after verification through the Accounts
Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be
submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher
accordingly and arrange to forward his/her undertaking along with RTGS Form
immediately to enable this office to release first instalment of the research grant,
accordingly.

Yours faithfully,

For REGISTRAR

University of Mumbai

Research Project No: 534NAME OF THE RESEARCHER: Smt. Sreedevi NaikLECTURE IN Electrical & TelecommunicationAMOUNT SANCTIONED: Rs. 20,000/-

Ref No. APD/237/424 of 2017

16th January, 2017

To,

The Principal,

F. C. Rodrigues Institute of Technology
Sector 9 A, Vashi, Navi Mumbai
Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Smt. Sreedevi Naik, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


 REGISTRAR

University of Mumbai

Research Project No: 405

NAME OF THE RESEARCHER: Smt. Seema Jadhav

LECTURE IN Engineering

AMOUNT SANCTIONED: Rs. 30,000/-

Ref No. APD/237/ of 2017
January, 2017

To,
The Principal,
Fr. C. Rodrigues Inst. of Tech.
Vashi
Navi Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Seema Jadhav, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


FOR REGISTRAR

18-19

University of Mumbai

Research Project No: 407

NAME OF THE RESEARCHER: Smt. Roshmi Kale

LECTURE IN Engineering

AMOUNT SANCTIONED: Rs. 2.00 Lacs

Ref No. APD/237/ of 2017
January, 2017

To,

The Principal,

Fr. C. Rodrigues Inst. of Tech.
Vashi
Navi Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Roshmi Kale, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

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The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


REGISTRAR

The Institution of Engineers (India)

AN ISO 9001 : 2008 CERTIFIED ORGANISATION
(ESTABLISHED 1920, INCORPORATED BY ROYAL CHARTER 1935)
8 GOKHALE ROAD, KOLKATA - 700 020



*"97 Years of Relentless Journey towards
Engineering Advancement for Nation-building"*

Ref: R.6/2/PG/16-17/DR2017007

Date: 12 April 2017

Principal/ Director
Fr. C. RODRIGUES INSTITUTE OF TECHNOLOGY
Sector 9A, Vashi
Navi Mumbai, Maharashtra- 400703

Dear Sir/ Madam,

REF: PROJECT I.D. DR2017007

Sub: Release of IEI Grant for R&D Project entitled: "DESIGN AND CONTROL OF POWER CONVERSION SYSTEM FOR ELECTRIC VEHICLES"

This has reference to our email regarding sanction of R&D Grant of IEI for the subject project. Kindly note, that Project ID no. **DR2017007** has been assigned to your project. Please note that all your future correspondence should bear that ID.

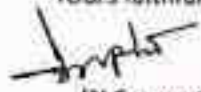
As informed, enclosed please find herewith a **cheque no. 794972 dated 24-02-2017 for Rs. 70000/-** in favour of **FR. C. RODRIGUES INSTITUTE OF TECHNOLOGY**, drawn on **Axis Bank Ltd.**, Kolkata payable at par at all its branches in India as grant for the R&D project as mentioned above.

Please note that the Terms & Conditions of the Grant (Copy enclosed) should be strictly followed. On successful completion of the project, the following documents are to be furnished: (1) Soft copy of the Project Report, (2) Soft copy of the Project Completion Report, (3) Hardcopies of the Utilization Certificates in duplicate and (4) Soft copy of the filled-in R&D Compendium pro-forma. The submission will be treated as successful and complete only on receipt of the above documents.

Kindly acknowledge receipt of the cheque at the email id research@ieiindia.org

Thanking you.

Yours faithfully,


(N Sengupta)
Director (Technical)
For Secretary & Director General

Encl: (i) Cheque (ii) Terms & Conditions

Cc: Guide: **Dr. Sushil Thale**

University of Mumbai

Research Project No: 473
NAME OF THE RESEARCHER: Mr. Anandh Kumar V. Panderhi
LECTURE IN I.T.
AMOUNT SANCTIONED: Rs. 1500/-

Ref No. APD/237/ of 2017
January, 2017

To,
The Principal,
Fr. C. Rodrigues Inst of Tech.
Vashi, sector - 9A,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Anandh Kumar V. Panderhi, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,

[Signature]
For REGISTRAR

31

University of Mumbai

Research Project No: 474

NAME OF THE RESEARCHER: Mr. Shantashree L. Hedare

LECTURE IN IT

AMOUNT SANCTIONED: Rs. 22,000/-

Ref No. APD/237/ of 2017

January, 2017

To,

The Principal,

Fr. C. Rodrigues Inst of Tech.
Vashi
Near Mumbai

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum Shantashree L. Hedare, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking and RTGS Form (copy enclosed) from the researcher.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Please note that 50% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original on or before 31st March, 2017 failing of which the advance amount granted will be recovered from researcher which please note.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2017 and submit original bills/vouchers of the expenditure along with Utilization Certificate (copy enclosed) duly certified by the Principal /Director /Head /Institute /University Department/College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July, 2017.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking along with RTGS Form immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully,


For REGISTRAR

18



Academic Year: 2015-16

University of Mumbai

Research Project No: 358

NAME OF THE RESEARCHER

Smt. Kiruthika M

LECTURER IN

Comp. Engg.

AMOUNT SANCTIONED : Rs

40,000/-

Ref No. APD/237/ 419 of 2016

9th February 2016

To,

The Principal,

Fr. C. Rodrigues Institute of Technology

Sec- 9A Vashi

Navi Mumbai - 401 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Smt/Smt/Kum. Kiruthika M. I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 50% of the sanctioned amount will be disbursed within 15 days on receiving ~~utilization~~ (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. Dharmale

for REGISTRAR

Email: Santosh.jpc@gmail.com

University of Mumbai

Research Project No: 41E

NAME OF THE RESEARCHER
LECTURER IN

Shri. Santosh J. Chauhan
Mechanical

AMOUNT SANCTIONED : Rs

35,000/-

Ref No. APD/237/ 419 of 2016

16th February 2016

To,

The Principal,

Fr. C. Rodrigues Institute of
Technology, Sector 9 A,
Vashi,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Mr. Santosh J. Chauhan, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. Dhurwadkar

for REGISTRAR

University of Mumbai

Research Project No: 419

NAME OF THE RESEARCHER
LECTURER IN

Shri. T. Mathewal
Mechanical

AMOUNT SANCTIONED : Rs

40,000/-

Ref No. APD/237/ 419 of 2016
10th February 2016

To,
The Principal,
Fr. C. Rodrigues Institute of
Technology, Sector - 9 A,
Vashi,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum. T. Mathewal, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. Ghoshal
for REGISTRAR

Dept. Copy

Email - niteshpy@yahoo.co.in

University of Mumbai

Research Project No: Z121

NAME OF THE RESEARCHER
LECTURER IN

Shri Nitesh P. Yelve
Mechanical

AMOUNT SANCTIONED : Rs

45,000/-

Rd No. APD/237/419 of 2016
10th February 2016

To,
The Principal,

Fr. C. Rodrigues Institute of
Technology,
Sector - 9A, Vashi,
Navi Mumbai - 40043

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Krm. Nitesh P. Yelve, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department / College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. G. 14-11-2015

for REGISTRAR

Higher Education Partnership - India Contract

This Contract (the 'Contract') is made on the 17th March 2018 between:

(A) The Royal Academy of Engineering incorporated by Royal Charter of J. Carter House Terrace, London SW1V 8Q3, Registered Charity 263074 (The Academy)

(B) Pt. C. Rodrigues Institute of Technology, Aghal Technical Education Complex Next to Masjid, Sector 5A, Vashi, New Mumbai, Maharashtra, India, 400703, India (the Recipient)

Background:

(A) This Contract contains the terms and conditions of an Award to be made by the Academy under its Higher Education Partnership - India scheme, whose purpose is support the aims of the UK government's Newton Fund by facilitating international visits and exchanges between industry and academic partners in the UK and their counterparts in selected Newton Fund Partner Countries

(B) The details of the Award are set out in Annex A to this Contract

It is agreed as follows:

1. Definitions

The Award means the award of a grant whose details are set out in Annex A.

The Award Letter means the letter or email from the Academy addressed to the Awardee(s) confirming the Award as detailed in Annex A.

The Recipient means the university / organisation named above which will be formally receiving the Award.

The Principal Contact means the Awardee who is the principal contact of the Recipient who is named in Annex A.

The Programme of Activities means those activities specified in the Application, attached as Annex B, subject to any additional, excluded or amended activities detailed in clause 3.4

The Awardee(s) means the Principal Contact and any other person(s) who is named in the original Application, as the context may require.

'Online Grant System' means the Academy's online application and assessment program through which the Award application was submitted, assessed, and will be managed.

'Statement of expenditure' means the statement of expenditure required to be submitted by the Recipient under Clause 5.1

'Report' means any formal written update concerning the Programme of Activities required to be submitted by the Awardee under Clause 4.5

'Not applicable' means this clause is not relevant to this Contract and has been redacted. The clause number remains in place to maintain the accuracy of any clauses which refer to other clauses.

2. Grant of Award

- 2.1 The Academy undertakes to provide the Award to the Recipient in accordance with the provisions of this Contract. In the event of any conflict or inconsistency between the terms of this Contract and the Award Letter, or any other communication between the parties, the terms of this Contract shall prevail.
- 2.2 The Recipient shall be bound by the terms and conditions set out in this Contract. For the avoidance of doubt, the Award will not be activated and the Academy will not be obliged to pay any part of the Award to the Recipient until (a) the Contract has been received by the Academy duly signed by or on behalf of the Recipient; and (b) the Contract has been countersigned by the authorised signatory on behalf of the Academy. The Academy will not accept liability for any expenses incurred prior to the fulfilment of conditions (a) and (b) above.
- 2.3 Not Applicable.
- 2.4 The Recipient shall procure that the Awardee(s) performs all activities necessary for the fulfilment of the terms of this Contract. The Recipient shall put in place suitable contractual arrangements with the Awardee(s) and any third parties and will ensure that the Awardee(s) is made aware of any relevant obligations required to be met by the Recipient for which the Awardee(s)'s contribution is required, including but not limited to the provision of any Reports.
- 2.5 The Awardee(s) will be employed by the Recipient on a full-time basis and will not undertake any other paid work, hold any other form of paid office or employment or interrupt the Award to pursue other activities without the prior written consent of the Academy, acting reasonably, except that this consent will not be required for up to a combined total of 4 hours of teaching duties and consultancy work per week, if any variation is approved. The Academy reserves the right to adjust the Monitoring Schedule at Annex C and the Schedule of Payments at Annex D accordingly.
- 2.6 The Awardee(s) must notify the Academy in writing that the Programme of Activities has started by submitting an Initiation Report, by the date given in the Monitoring Schedule, Annex C. This notification will be provided through the Online Grant System.
- 2.7 The Award is given to the Recipient only and is solely in respect of the Awardee and is not transferable to any third party (including an Awardee(s)) without the written agreement of the Academy. The Academy's decision on any requested transfer is final, as is the consequential distribution or allocation of any remaining Grant funds.
- 2.8 The financial support received from the Academy must be acknowledged by the Recipient and the Awardee(s) in any materials or publications regarding or resulting from the Award, and in any written or spoken presentations about the Award, in the following form (or such other form as the Academy has approved in writing): "This (project/name) was supported by the Royal Academy of Engineering under the Higher Education Partnership - India scheme"
- 2.9 Not applicable.
- 2.10 The Awardee(s) is entitled to take maternity, paternity, or adoption leave if such leave is accordance with the terms and conditions of their contract of employment. The Academy will extend the duration of Award to account for the leave taken, and adjust the Monitoring Schedule (Annex C) and the Schedule of Payments (Annex D) accordingly.
- 2.11 The Recipient will notify The Academy of any such leave periods as early as reasonably possible.
- 2.12 Not applicable.
- 2.13 Not applicable.

2. Programme of Activities, and Incentive

2.1 The Recipient shall procure the carrying out of the Programme of Activities as described in Annex B.

2.2 The Recipient shall not modify or alter the Programme of Activities without the prior written consent of The Academy.

2.3 The Academy's approval must be sought in advance and in writing for changes to any of the following:

2.3.1 the Start Date

2.3.2 the End Date

2.3.3 the re-allocation of expenditure between different cost categories, as specified in Annex B

2.3.4 a change from full to part-time employment, or from part-time to full-time, as applicable.

The Awardee(s) should specify any reasons for the requested changes, and may at the Academy's request be required to provide further reasonable information. The Recipient and the Awardee(s) will be notified of the Academy's decision in writing. However, no additional funding will be provided if these dates are waived, subject to Clause 2.12 (if applicable).

2.4 The Recipient shall undertake the additional or amended activities (if any) specified in Annex B, and shall not use the funding for the activities excluded (if any) in Annex B.

2.5 Not applicable.

4. Payment of the Award

4.1 The amount of the Award to be paid to the Recipient is set out in Annex D.

4.2 The Recipient undertakes to provide funding for any additional costs not covered by the Award which are necessary for the successful completion of the Programme of Activities. The Award is cash limited and no supplementary funding will be provided by the Academy to complete the Programme of Activities in event of a shortfall.

4.3 The Recipient will provide the Awardee(s) with sufficient access to funds to enable the successful completion of the Programme of Activities.

4.4 Once this Contract has been signed by both parties in accordance with Clause 2.2 and any conditions specified in Clause 2.3 have been met the Academy shall make payments to the Recipient according to the Payments Schedule shown in Annex D. The Recipient will complete Annex E with the necessary banking information required to process the payments. The Recipient is not required to submit invoices for payment and all payments will be made to the bank account provided.

4.5 Each payment will be conditional upon receipt by the Academy of any and all Reports which fall due prior to the payment date, in accordance with Clause 5.1. Reports must be submitted in a timely manner and be of a satisfactory standard to release payment, as determined by the Academy, acting reasonably. Reports submitted more than 60 days after the due date are unlikely to be considered timely and no further payment will be made.

4.6 The Academy will deduct from the Final Payment (a) any underspend on the Programme of Activities which is evident from the Statement of Expenditure and (b) any funds not spent exclusively on the Programme of Activities, and if the amount to be deducted exceeds the amount of the Final Payment then no Final Payment will be made and the balance due shall be refunded to the Academy by the Recipient within 4 weeks of the Award End Date.

4.7 The Academy reserves the right to withhold or delay any payment if the Academy is not satisfied (acting reasonably) that the Programme of Activities will proceed, or has proceeded in accordance with this Contract.

4.8 The interest shall accrue on any sums not paid by the Academy on the due dates, or withheld in accordance with the terms of this Contract.

5. Reports

5.1 The Awardee(s) will submit written Reports through the Online Grant System to the Academy at the discretion, and by the dates specified in Annex C. These Reports shall follow the guidelines given within the Online Grant System, and include:

- 5.1.1 a Statement of Expenditure incurred covering the cost categories included in the application, attached as Annex B
- 5.1.2 such other information as the Academy may reasonably request.

5.2 Not applicable.

5.3 Not applicable.

6. Other obligations

6.1 The Recipient will ensure that before the Programme of Activities starts all the necessary legal and regulatory requirements for the conducting of the Programme of Activities are met and all necessary licences, visas and approvals are obtained, and maintained during the period of the Award.

6.2 The Recipient undertakes to support the Awardee(s) in the Programme of Activities and to ensure access to facilities specified in Annex B and any other facilities necessary for completion of the Programme of Activities.

6.3 The Recipient shall not allow any Award monies to be used other than for the purposes of the Programme of Activities.

6.4 The Awardee(s) shall comply with any policies of the Recipient and all applicable laws, statutes and regulations relating to anti-bribery and anti-corruption including but not limited to the Bribery Act 2010 and not engage in any activity, practice or conduct which would constitute an offence under the Bribery Act 2010 and other legislation in the UK or overseas.

6.5 The Recipient will keep complete and accurate accounts of expenditure on the Award and the Programme of Activities and allow the Academy or its representatives (on reasonable notice) to inspect such accounts and take copies. Should the Academy request it the expenditure statement must include all of the cost categories as submitted in the Application, attached as Annex B.

6.6 At the request of the Academy, the Recipient will permit the Academy and its representatives access upon reasonable notice to the Recipient's premises and to the Awardee(s) for the purposes of monitoring the progress of the Programme of Activities.

6.7 The Recipient will ensure that the results of the Programme of Activities are disseminated publicly within twelve months of the Award End Date (unless the Academy has agreed in writing to a longer period).

6.8 The Recipient agrees to endorse the commitments of the Concordat to Support Research integrity and must have in place formal written procedures and policies to promote and ensure compliance with the commitments. In particular the Recipient commits to adhere to the highest standards of professionalism and integrity and agrees to have procedures

in place to ensure that research is conducted in accordance with standards of best practice, systems to promote research integrity, and transparent, robust and fair processes to investigate alleged research misconduct.

- 6.9 The Recipient shall ensure that the Awardee(s) acknowledge the Academy's financial contribution in all publications regarding or resulting from the Programme of Activities, in the form specified in Clause 2.8 or as otherwise agreed to by the Academy.
- 6.10 The Recipient shall ensure that all uses of the Academy's logo conform to the Academy's requirements, as notified by the Academy to the Recipient.
- 6.11 The Academy may refer to the making of the Award, the names of the Recipient and the Awardee(s), and the general aims of the Award in any reports to its funders and in any publicity material.
- 6.12 Not applicable.
- 6.13 Not applicable.
- 6.14 Not applicable.

7. Intellectual Property and equity rights

- 7.1 The Academy will not own or be granted a licence under any intellectual property rights relating to or resulting from the Programme of Activities.
- 7.2 The Recipient will ensure that the intellectual property rights in any results derived from the Programme of Activities are shared between the Recipient, the Company and the Awardee(s) and agreed in writing between the Recipient, the Company and the Awardee(s) before the Award Start Date. The Recipient will supply details to the Academy on request.
- 7.3 The Recipient will ensure that all existing intellectual property rights required to undertake the Programme of Activities are agreed in writing between the Recipient and the Awardee(s) before the Award Start Date. The Recipient will supply details to the Academy on request.
- 7.4 Not applicable.

8. Termination

- 8.1 Should the Department for Business, Innovation and Skills (or successor department) reduce the funding of this Award the Academy reserves the right to terminate this Contract at any time with immediate effect by giving written notice to the Recipient.
- 8.2 The Academy may also terminate this Contract by notice in writing if:
 - 8.2.1 the Recipient or the Awardee(s) has provided any false information in connection with the Award application or the Programme of Activities; or
 - 8.2.2 the Recipient fails to apply the Award monies for the purposes specified in this Contract; or
 - 8.2.3 the Recipient is in breach of any other provisions of this Contract;
 - 8.2.4 the Awardee(s) cease(s), in the reasonable opinion of the Academy, to have suitable employment for the completion of the Programme of Activities; or
 - 8.2.5 the Recipient receives funding from alternative sources for the Programme of Activities which covers the same costs as are funded under this Contract (without the prior agreement of the Academy); or
 - 8.2.6 The Academy, acting reasonably, considers the Awardee(s) will be unable to pursue the Programme of Activities in accordance with the requirements of this contract, if the facilities required for the Programme of Activities are not available, or if for any other reason the Programme of Activities cannot be fulfilled; or

- 8.2.7 The Academy determines (acting reasonably) that the Recipient's and/or the Awarded's performance has fallen below an acceptable standard, or
- 8.2.8 The Academy, acting reasonably, considers that the arrangements for the exploitation of the intellectual property rights acquired for and resulting from the Programme of Activities (as referred to in Clauses 7.2 and 7.3)) are not in accordance with the Award application approved by the Academy.

8.3 If the Contract is terminated by the Academy under clause 8.1, the Academy will reimburse the Recipient up to the maximum value of the Award for all reasonable expenditure incurred prior to the termination date, provided this expenditure is in accordance with the Programme of Activities and subject to evidence of requested by the Academy) that the expenditure has been incurred.

8.4 If the Academy gives notice to terminate under clause 8.2, the Academy may require the Recipient to repay all or part of the Award paid by the Academy to the Recipient.

9. Limitation of liability

9.1 The Academy accepts no responsibility for any costs, claims, losses, demands or expenses incurred by the Recipient or an Awardee for which the Recipient or Awardee(s) may be liable as an employer or otherwise as a result of the Award or the Programme of Activities, and the Recipient agrees to indemnify the Academy and its employees and fulfil their functions against any such costs, claims, demands and liabilities accordingly.

10. Miscellaneous

10.1 Should the Department for Business, Innovation and Skills (or successor department) amend the conditions upon which it provides the funding to the Academy for this Award the Academy reserves the right to amend the terms and conditions for this Award to the extent necessary to enable the effective continuation of the Award and compliance with the new conditions, which will be notified to the Recipient and Awardee(s) in writing. If it is not prepared to accept the amended terms and conditions, the Recipient may terminate this Contract by notice in writing to the Academy within 30 days of notification. If this Contract is terminated by the Recipient, the Academy shall not be obliged to make any further payments and the Recipient shall refund within four weeks any amount not spent exclusively on the Programme of Activities as at the date of termination. Unless so terminated by the Recipient, this Contract shall be deemed to be varied with effect from receipt of the amended terms and conditions by the Recipient.

10.2 The Recipient will promptly inform the Academy in writing of any change in the status of the Recipient or the Awardee(s) or of any other circumstance which might affect its ability to comply with the terms of this Contract.

10.3 Subject to clause 10.1, this Contract can only be varied or amended by the joint written agreement of both parties.

10.4 For the avoidance of doubt, this is not a contract for the supply of services by the Recipient and nothing in this Contract shall be deemed to create an employment relationship between the Academy and the Awardee(s), or any other person.

10.5 This Contract and its Annexes contain the entire agreement and arrangement between the Academy and the Recipient or the Awardee(s) regarding the Award and all other prior agreements, arrangements or understandings are hereby excluded.

10.6 References in this Contract to communications to be made in writing shall be deemed to include email.

11. Governing law and jurisdiction

1. The Contract shall be governed by and construed in accordance with English law and all disputes shall be referred to the exclusive jurisdiction of the English Courts in any and all matters arising under the Contract.

2. I have read and understand the terms and conditions of the Contract.

SEE



Signature and stamp of the President of the Institution of Mechanical Engineers

Name of the President

Position: President and Head, Institution of Mechanical Engineers Engineering Department
Birmingham

P. D. Greenish

Signed on behalf of the Institution of Mechanical Engineers

Date

22.3.16

Name

P. D. GREENISH

Position

CEO

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ANNEX A

(Details of the Award)

The Award will provide for the support of a Higher Education Partnership - India to be undertaken by Prof. Mand. Sush (the Principal Contact) and the Award(s) to be funded by Fr. C. Rodriguez Institute of Technology (the Recipient)

Details of Programme of Activities:

from 7 March 2019 (the 'Start Date') to 20 February 2019 (the 'End Date') for the completion of the programme of activities (the 'Programme of Activities') under the title: Formulation of Hestace Refractory of an Entrawood Flow Gusher

as detailed in the application (the 'Application') to the scheme attached at Annex B which was submitted to the Academy by the Principal Contact (and dated 11 January 2019)

Award letter details:

Date: 17 MARCH 2019

Address: mlin005ms@yohua.co.in

Academy Reference: HEP510102

Annex B

Schedule of Payments

Subject to the prior submission of the necessary Reports as detailed in Annex C, the Academy shall ensure that payments are made to the Recipient for the following amounts on the dates shown:

Action	Date	Value	Prerequisite Report
Initial Payment	25 March 2016	£35,000.00	Initiation report
Final Payment - HEP151632	28 April 2018	£15,000.00	All progress reports submitted and approved
Total	£50,000.00		

TB, VAT is not payable on this Award

Monies are not required and payment will be made against the banking details provided by the Recipient. It is the Recipient's duty to inform the Academy immediately if the banking details change during the Award.

University of Mumbai

Research Project No: 378

NAME OF THE RESEARCHER

Shri. Ashish Harbola

LECTURER IN

Electronics & Telecommunication

AMOUNT SANCTIONED : Rs

35,000/-

Ref No. APD/237/419 of 2016

9th February 2016

To:

The Principal,

Fr. C. Rodrigues Institute of
Technology,
Sector-9A, Vashi,
Navi Mumbai- 400 703.

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt. Ashish Harbola, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. D. G. S. S. S.

University of Mumbai

Research Project No: 380

NAME OF THE RESEARCHER
LECTURER IN

Dr. Milind Shah
Ext.

AMOUNT SANCTIONED : Rs

25,000/-

Ref No. APD/237/419 of 2016
9th February 2016

To,
The Principal,

Fr. C. Rodrigues Institute of Technology
Sector - 9A, Vashi,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Km. Dr. Milind Shah, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. Ghosh

Emet. Sange 2014

University of Mumbai

Research Project No: 4102

NAME OF THE RESEARCHER

Dr. Sancy George

LECTURER IN

Electronics

AMOUNT SANCTIONED Rs

45,000/-

Ref No: 450/2014
24 February 2016

The Principal,

Dr. C. Rodrigues Institute of
Technology
Sector - 9A, Vashi
Mumbai - 400 703

With reference to the Research Proposal forwarded by you to the Principal/Kum. Dr. Sancy George, I am directed to inform you that the proposal has been considered by the University and the sanctioned amount of Rs. 45,000/- is granted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 20% of the sanctioned amount will be disbursed within 15 days on receiving undertaking from the researcher. The remaining 20% amount will be disbursed up to March 2016.

The researcher is expected to spend 20% amount initially from his/her own pocket to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure along with Utilization Certificate duly certified by the Principal/Director/Head of Institute/Department/College to the A.P.O. Section after verification through the Accounts Section, 4th Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first instalment of the research grant, accordingly.

Yours faithfully

for REGISTRAR

3-11

Email: ssthale@gu.mumbai

University of Mumbai

Research Project No: 1207

NAME OF THE RESEARCHER

Shri. Sushil Thale

LECTURER IN

Electronics

AMOUNT SANCTIONED

Rs 50,000/-

Ref No: APD/337/1-2/4003

Date: 12/07/15

To,

The Principal,

Fr. C. Rodrigues Institute of
Technology
Sra - 9A, Vashi,
Navi Mumbai - 400 303

For Record

With reference to the Research Proposal forwarded by you in respect of Shri/Smt./Mrs. Sushil Thale, I am directed to inform you that the said proposal has been considered by the University and it is approved for grant of Rs. 50,000/-.

The sanctioned amount will be disbursed in two installments. The first installment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure along with Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department / College, to the A.P.D. Section, after verification through the Accounts Section, 5th Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on submission of utilization certificate including bill/vouchers/receipts to the account.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. S. Thale

for REGISTRAR

5-6

16
Email - harchandani.ruchi@gmail.com

University of Mumbai

Research Project No: 400

NAME OF THE RESEARCHER

Mrs. Ruchi Harchandani

LECTURER IN

Electronics

AMOUNT SANCTIONED : Rs

20,000/-

Ref No. APD/237/ 419 of 2016

5th February 2016

To,

The Principal,

Fr. C. Rodrigues Institute of
Technology,
Sector 30 Vashi,
Navi Mumbai - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum. Ruchi Harchandani, I am directed to inform you that the said proposal has been considered by the University and the Committee has recommended research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first instalment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2016.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work.

Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2016 and submit original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head / Institute / University Department /College, to the A.P.D. Section, after verification through the Accounts Section, Gr. Floor, Room No. 13, Fort, Mumbai - 400 032.

Please note that 20% balance amount, out of sanctioned grant will be released on the submission of utilization certificate including bills/vouchers/receipts in original.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2016.

The Principal/Head of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant, accordingly.

Yours faithfully

P. Ghuman

for REGISTRAR

7-8



Academic Year: 2014-15

NAME OF THE RESEARCHER Prof. Sandhya Patil
 LECTURER IN Engineering Prof. Sandhya Patil
 AMOUNT SANCTIONED Rs 40,000/-

Ref No. APD/237/331 of 2014
 13th October 2014

To,
 The Principal
 Fr. C. Rodrigues Institute
 of Technology,
 Sector - 9 A,
 Vashi,
 Nav, Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Smt/Smt/Kum. Sandhya Patil, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first instalment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 20% amount will not be granted by the University.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first instalment of the research grant.

Yours faithfully


 Assistant Registrar
 (A.P.D. Section)

NAME OF THE RESEARCHER **Dr. S. M. Khat**LECTURER IN *Engineering*AMOUNT SANCTIONED : **Rs 50,000/-**Ref No. APD/237/ 351 of 2014
13th October 2014

To
The Principal,
Fr. C. Rodrigues Engineering & Technology,
Sector - 9A,
Vashi,
New Mumbai - 400703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Ref. **S. M. Khat** I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

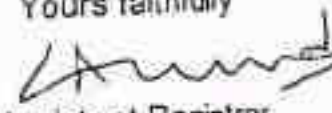
The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 20% amount will not be granted by the University.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully


Assistant Registrar
(A.P.D. Section)

NAME OF THE RESEARCHER Mr. Aqeen A. Siddiqui
LECTURER IN Engineering

AMOUNT SANCTIONED Rs 80,000/-

Ref No. APD/237/ 351 of 2014
13th October 2014

To:
The Principal
Fr. C. Rodrigues Institute
of Technology,
Sector-9A,
Nashik,
Navi Mumbai - 410003
Sir/Madam:

With reference to the Research Proposal forwarded by you in respect of Shri/Smt. Aq. A. Siddiqui, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

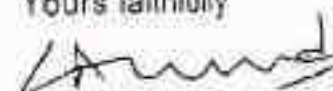
The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 20% amount will not be granted by the University.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully


Assistant Registrar
(A.P.D. Section)

University of Mumbai

Research Project No: 366

NAME OF THE RESEARCHER **Prof. Pranali Choudhary**

LECTURER IN **Engineering**

AMOUNT SANCTIONED : Rs **45,000/-**

Ref No. APD/237/351 of 2014

13th October, 2014

To,

The Principal,

Fr. C. R. Institute of Technology,

Sector-9A,

Vashi,

Navi Mumbai - 401303

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of **Shri/Smt/Kum. Pranali Choudhary**, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 20% amount will not be granted by the University.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institutes and departments are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully,

[Signature]

NAME OF THE RESEARCHER **MTS. Mridha M. Kolhekar**

LECTURER IN Engineering

AMOUNT SANCTIONED **Rs 45,000/-**

Ref No. APD/237/ 351 of 2014

13th October 2014

To
The Principal
Fr. C. Rodrigues Institute
of Technology,
Sector-9A,
Vashi
Mavi Number - 400 703

Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of **Smt/Kom Mridha M. Kolhekar**, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two installments. The first installment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed on 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If are not able to submit the statement of expenditure before 25th March 2015 remaining 20% amount will not be granted by the University.

The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first installment of the research grant.

Yours faithfully



Assistant Registrar
(A.P.D. Section)



Government of India
Department of Atomic Energy (DAE)
Board of Research in Nuclear Sciences (BRNS)

Shri D. K. Dalal
Programme Officer (ATC)

BRNS Secretariat, 1st Floor, CC,
BARC, Trombay, Mumbai-400085
Phone: 25594683 FAX: 022-23505151
e-mail: dkdalal@barc.gov.in

No. 34/14/11/2014-BRNS/0218-74

Date: 5 MAY 2014

OFFICE MEMORANDUM

Sub: R/P entitled "Modeling and Characterization of Solid State Marx Generator and its Source" under Dr. Sincy George, Department of Electrical Engineering, Fr. C. Rodrigues Institute of Technology, Sector - 9A, Vashi, Navi Mumbai 400 703 bearing sanction No.34/14/11/2014-BRNS with ATC, BRNS.

On the recommendations of the Board of Research in Nuclear Sciences (BRNS), I am pleased to convey the administrative approval and sanction of the President of India for the captioned project for three years beginning from financial year 2014-15 with a total grant of **₹22,13,600/- (Rupees twenty two lakh thirteen thousand six hundred only)** for the project as under:

Item of expenditure	I Year (2014-2015)	II Year (2015-2016)	III Year (2016-2017)
* Equipment	1,02,000	9,52,000	—
# Staff JRF (I)	1,92,000	1,92,000	2,16,000
~ Technical Assistance	10,000	10,000	10,000
Consumables	50,000	50,000	50,000
Travel (PI)	10,000	10,000	10,000
Contingency	30,000	20,000	20,000
\$ Overheads	27,300	91,050	21,450
Total:	4,21,300	13,25,050	3,27,450

- * (i) Components for HV dc source, (ii) Digital Storage Oscilloscope, (iii) High voltage probe, (iv) Components for Marx Generator.
- # JRF salary @16000/- in 1st and 2nd year and on redesignation by Committee in 3rd year as SRF @18000/-.
- ~ Technical Assistance includes Equipment Hire Charges, Computer Charges and Charges for Hiring Services.
- \$ Overheads calculated @ 7.5% of the other heads except contingency. The remaining 7.5% towards overheads (₹1,39,800/-) shall be released only on meeting the requirements specified (See Annex-B).

2. I am also pleased to convey the sanction of the President of India to incur an expenditure of **₹4,21,300/- (Rupees four lakh twenty one thousand three hundred only)** towards grant for the year 2014-15.

3. The expenditure involved is debitable to:

Grant No.	-	04	Atomic Energy
Major Head	-	3401	Atomic Energy Research
Minor Head	-	00 004	Research & Development
Sub Head	-	08 02	Board of Research in Nuclear Sciences (BRNS)
Detailed Head	-	08 02 31	Grant-in-aid

4. This issues with the concurrence of Scientific Secretary, BRNS and IFA, DAE.

Sd/-
(D. K. Dalal)

Pay & Accounts Officer,
Department of Atomic Energy,
Anushakti Bhavan,
CSM Marg, Mumbai - 400 001.



BAIF Development Research Foundation
 Dr. Maribhai Desai Nagar, N.H. No. 4 Warje, Pune - 411058
 Phone 91 20 25231661 Fax: 91 20 25231662 E-mail baif@baif.org Website:

NEAC/2014-15/ 766

Date :18/12/2014

SANCTION LETTER

Dear Sir/Madam,

I am pleased to inform that the Empowered Committee constituted by the Ministry of Environment, Forests & Climate Change Government of India has appraised your proposal and approved it for financial assistance as below detailed.

Sanction Letter No.	Name of Organization	Approved Programme(s)		Amount of Grant approved in Rupees			Remarks/ Subject to submission - if any...
		Awareness	Action	A'ness	Action	Total	
766	FR. C.R.L.T VASHLIT DEPARTMENT Agri Technical Education Complex Sec-9A, Vashi Navi Mumbai-400703 Archana Shikhe Tel:02241611000 Mob:9892081362 Email:archanashikhe25@gmail.co	Seminar-Individuals on water conservation technique and water budget in the Mumbai	Demonstration on Roof top harvesting and water budget in the Mumbai	10000	5000	15000	

1. Acting as Regional Resource Agency (RRA), on behalf of the Ministry of Environment, Forests & Climate Change Government of India, BAIF will be able to send you the amount sanctioned by Cheque/ DD. (First installment comprising 60% of the sanctioned amount would be released during Orientation Workshop against receipt of affidavit for an equivalent amount. Second installment 40% of the balance amount shall be released on receipt of Activity Completion Report, and Audited Statement of Expenditure).

2. While undertaking the activities for NEAC 2014-15, kindly keep in mind the following points.

- All programmes/ activities should be concluded by **28 February 2015**.
- Your programmes/ activities should most effectively reflect the theme of "**Combating Desertification, Land Degradation and Drought**" and sub-themes given in our appeal letter, local environmental issues and problems.
- Wherever possible try to use non - conventional media(s) as a method of creating awareness on "**Combating Desertification, Land Degradation and Drought**" at grass root level.
- Please make sure that your programmes include action component to help the target group to bring awareness on "**Combating Desertification, Land Degradation and Drought**".
- Local people and organizations, as well as local authorities, Govt. Depts. Lions & Rotary Clubs and individual experts should be involved during programme implementation to assure collaborative efforts.

3. It is mandatory for the participating organization to provide details of the programmes including dates, venue(s) and timings etc. at least 15 (fifteen) days in advance to:

1. Director, Ministry of Environment, Forests and Climate Change Government of India, Indira Paryavaran Bhavan, Aliganj, Jor Bagh Road, New Delhi - 110 003.	2. Mr. S.E. Pawar, Advisor, BAIF Development Research Foundation, Dr. Manibhai Desai Nagar, Warje, Pune - 411 058.
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This information must reach in sufficient advance time (Minimum Fifteen days) before actual implementation of the programme/ activities. This year senior authorities from the Ministry of E&F and/or Members of Empowered Committee wish to visit and participate in the activities planned by the participating organizations.

4. Detailed report of your programmes/ activities completed with news clippings (if any), photographs, other documentary evidence and Utilization Certificate duly audited by Chartered Accountant should reach BAIF Development Research Foundation on or before 20 March 2015. If your report and audited UC is not received within the stipulated time the total grant will be returned to the Ministry of Environment and forest, Govt. of India, New Delhi.

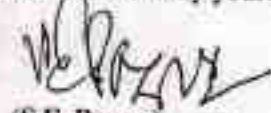
I am aware of the fact that you may have to revise the schedule of activities to handle difficult situations with the grants sanctioned and the time span available now.

I hope that you will undertake the NEAC activities with enthusiasm.

I sincerely wish you great success in your endeavor.

With regards,

Environmentally yours,



(S.E. Pawar)
Advisor.

2014-15
University of Mumbai

Research Project No: 392

NAME OF THE RESEARCHER Mrs. Archana Shinde
LECTURER IN Engineering

AMOUNT SANCTIONED : Rs 32,000/-

Ref No. APD/237/351 of 2014
13th October 2014

To,
The Principal,
Fr. C. Rodrigues Institute
of Technology,
Sector 3A,
Vashi,
Navi Mumbai - 401003
Sir/Madam,

With reference to the Research Proposal forwarded by you in respect of Shri/Smt/Kum. Archana Shinde, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

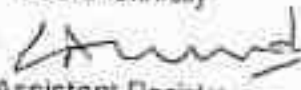
The sanctioned amount will be disbursed in two instalments. The first instalment of 80% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 20% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 20% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same be and get it checked from the Accounts Section, Room No. 13, Fort, University and then submit to the A.P.D. Section, Room No. 132 for remaining 20% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 20% amount will not be granted by the University.

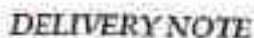
The report of the research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principals/Heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first instalment of the research grant.

Yours faithfully


Assistant Registrar
(A.P.D. Section)

2



SHIPPER

NVIDIA Graphics Private Ltd.

Panchsheel Tech Park,
Plot 4, Survey No.1678-1683,
Shivajinagar.

Pune 411005, INDIA

TIN No. 27578114995V

Tel: +91 20 - 66413000

Contact: Vinay Deshpande / Nitin Tharwat

CONSIGNEE

Ft. Conceicao Rodrigues Institute of Technology

Department of Information & Technology

Fr. Angel Technical Education Complex,

Sector 9A, Vashu.

New Mumbai - 400703

Tel: +91-989-754-0785

Contact: Prof Lokeshmi Gadgilkar

DELIVERY NOTE NO. NV/DN/195/14-15 Dt: 23/07/2014

Carrier - Blue Dart

Mode of Transport :- By Road

Other Reference(s)

15384 - 08.01.2014

TOTAL Rupees Twenty Four Thousand Six Hundred Ninety Six Only

22,995.00

Remark : Goods being sent for University Professor Partnership Programme donation for research/teaching CUDA on non-returnable basis, there is no sales involved in this transaction.

Dimensions (cms) >

1-45 X 19 X 10

12-

1

1

100

Gross weight - 01.60Kgs.

Out From-
NVIDIA Graphics Pvt. Ltd.
(Subject to verification)

Date: 2.5.7/16 Time: 12:00

Outward No. 220

Name & Sign. *[Signature]*

For Nvidia Graphics Pvt. Ltd.

3 km
Authorized Signatory



University of Mumbai

#15/14

Research Project No. 337

NAME OF THE RESEARCHER Shri C. M. Chaudhari
LECTURER IN Engineering

AMOUNT SANCTIONED Rs 32,500/-

Ref No. APDQ37/ 351 of 2014
13th October 2014

To,
The Principal
P. C. Rodrigues Institute
of Technology,
Sector-9A,
Vashi,
Navi Mumbai - 400703

Sir/Madam

With reference to the Research Proposal forwarded by you in respect of Shri/Prof. C. M. Chaudhari, I am directed to inform you that the said proposal has been considered by the University and the authority has sanctioned research grant as quoted above to the researcher.

The sanctioned amount will be disbursed in two instalments. The first instalment of 50% of the sanctioned amount will be disbursed within 15 days on receiving undertaking (copy enclosed) from the researcher. The remaining 50% amount will be disbursed upto 31st March, 2015.

The researcher is expected to spend 50% amount initially from his/her own resources to carry out the work. Further, I am to inform you that the researcher will have to utilize the sanctioned amount before 31st March, 2015 and researcher is requested to submit the original bills/vouchers of the expenditure alongwith Utilization Certificate duly certified by the Principal/ Director/ Head of the College, University Department further same to be filed and get it checked from the Accounts Section, Room No. 13, For, University and then submit to the A.P.D. Section, Room No. 130 for remaining 50% amount. If you are not able to submit the statement of expenditure before 25th March 2015, remaining 50% amount will not be granted by the University.

The report of the Research work carried out by the concerned researcher will have to be submitted to the University on or before 31st July 2015.

The Principal/heads of the Institute are requested to inform the researcher accordingly and arrange to forward his/her undertaking immediately to enable this office to release first instalment of the research grant.

Yours faithfully


Assistant Registrar
(A.P.D. Section)



Stamp and signature area at the bottom left.

3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years (8)

Number of Research Papers listed in UGC care / UGC deleted/ Scopus or web science				
Academic Year	UGC Care Journals	UGC Deleted Journals	Scopus/WoScience Journals	Total Recognized Journals
2018-19	2	1	9	12
2017-18	4	8	3	15
2016-17	3	16	11	30
2015-16	2	4	12	18
2014-15	4	13	5	22
				97

NOTE: 1. The serial number of UGC approved Journal is based on list given below:

https://fcrit-my.sharepoint.com/:b:/g/personal/milind_shah_fcrit_ac_in/ESm9cF5RQVJMn/GaOgEqvXYBquoixqmam4mufsmCafgQrg?e=AkfdxS

2. The serial number of UGC deleted Journal is based on list given below:

https://fcrit-my.sharepoint.com/:b:/g/personal/milind_shah_fcrit_ac_in/EVRvILZSD7xNmTrKMMENvUBieggCU4O0V9YAU9SFwPqGw?e=nBY9Cd

List of Research Papers listed in UGC care / UGC deleted/ Scopus or web science during 2014-19 (Five years)										
Acadamec Year 2018-19										
Sr. No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of the Journal	Year of Publication	ISBN/ISSN number	Journal Link where the Paper is Available	Evidence for the Recognition in UGC enlistment of the journal		
								Link of Scopus and Web of Science Journals	Serial Number of UGC approved Journal List	Serial Number of Deleted List of Journals
1	ETSR: Enhanced Trust based Secure Routing Scheme for Mobile Ad hoc Networks	Dr. Lata Ragha	Computer Engineering	Journal of Computational and Theoretical Nanoscience, Volume-16, Issue:5-6, May 2019, pp.2265-2272.	2018-19	ISSN: 1546-1955 (Print); EISSN: 1546-1963 (Online)	https://www.ingentaconnect.com/contentone/asp/jctn/2019/00000016/10020005/art00085?crawler=true&mimetype=application/pdf	https://www.scopus.com/sourceid/28136		
2	Video quality assessment through PSNR estimation for different compression standards	Dr. Lata Ragha	Computer Engineering	Indonesian Journal of Electrical Engineering and Computer Science	2018-19	E-ISSN: 2502-4760	http://ijeecs.iaescore.com/index.php/IJECS/article/view/8856	https://www.scopus.com/sourceid/21100799500		
3	"Evaluation of inherent and dislocation induced material non linearity in	Nitesh Y.	Mechanical Engineering	Elsevier Applied Acoustics, volume 136 (2018) 76-85	2018-19	ISSN:0003-682X-E-ISSN:1872-910X	https://www.sciencedirect.com/science/article/abs/pii/S0003682X17311696	https://www.scopus.com/sourceid/12946		
4	Design and analysis of switchable magnetic polarity bistable energy harvester	Nitin Satpute and S. M. Khot	Mechanical Engineering	Journal of Mechanical Engineering Science, Article first published online: September 15, 2018	2018-19	0954-4062E-ISSN:2041-2983	https://doi.org/10.1177/0954406218799788	https://www.scopus.com/sourceid/20407		

5	Thomson Multitaper MFCC and PLP Voice Features for Early Detection of Parkinson Disease	Savitha S. Upadhy	Electronics and Telecommunication Engineering	Elsevier's Biomedical Signal Processing and Control	2018-19	ISSN: 1746-8094	https://doi.org/10.1016/j.bspc.2018.07.019	https://mjl.clarivate.com/search-results?issn=1746-8094&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
6	Investigation of Pitch and Noise Features Extracted from Voice Samples of Healthy and Parkinson Affected People Using Statistical Tests	Savitha S. Upadhy	Electronics and Telecommunication Engineering	Journal of Engineering Science and Technology	2018-19	ISSN: 1823-4690	http://jestec.taylors.edu.my/Vol%2013%20Issue%209%20September%202018/13_9_11.pdf	https://mjl.clarivate.com/search-results?issn=1823-4690&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		Sl. No 166 in ICI list
7	Multitaper Perceptual Linear Prediction Features of Voice Samples to Discriminate Healthy Persons from Early Stage Parkinson Diseased Persons	Savitha S. Upadhy	Electronics and Telecommunication Engineering	Springer International Journal of Speech Technology	2018-19	ISSN 1381-2416	https://link.springer.com/article/10.1007/s10772-017-9473-6	https://mjl.clarivate.com/search-results?issn=1381-2416&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
8	Feature Selection for Driver Driviness Detection	Megha Kolhekar	Electronics and Telecommunication Engineering	Lecture Notes on Data Engineering and Communications Technologies, e-book, April 2019, .	2018-19	ISBN: 978-981-13-6459-4	https://link.springer.com/chapter/10.1007/978-981-13-6459-4_14	https://www.scopus.com/sourceid/21100975545		
9	Mitigation of harmonics and unbalanced source voltage condition in standalone microgrid: positive sequence component and dynamic phasor-based compensator with real-time approach"	Mahendra Rane	Electrical Engineering	Heliyon 5 (2),Feb 2019, e01178.	2018-19	E-ISSN:2405-8440	https://doi.org/10.1016/j.heliyon.2019.e01178	https://www.scopus.com/sourceid/21100411756		
10	Impact Analysis of PV-Integrated Grid Using Time Scale Modelling	Mahendra Rane	Electrical Engineering	International Review on Modelling and Simulations (IREMOS), 11 (5), 2019, pp. 343-351.	2018-19	ISSN: 1974-9821 , eISSN: 2533-1701	https://doi.org/10.15866/iremos.v11i5.15394	https://www.scopus.com/sourceid/19700202601		
11	Development of dynamic phasor based higher index model for performance enhancement of dual active bridge	Mahendra Rane	Electrical Engineering	Electric Power Systems Research, Elsevier, 168, 2019, pp. 305-312.	2018-19	ISSN:0378-7796	https://doi.org/10.1016/j.epsr.2018.10.023	https://www.scopus.com/sourceid/16044	Sl. No. 2686	
12	Analysis and control of a Novel Transformer-less Microinverter for PV-Grid Interface	Mini Rajeev	Electrical Engineering	IEEE Journal of Photovoltaics, Vol 8, NO 4, July 2018	2018-19	Print ISSN: 2156-3381Electronic ISSN: 2156-3403	https://ieeexplore.ieee.org/document/8347075	https://www.scopus.com/sourceid/19900193578	Sl. No 3784	
Acadamec Year 2017-18										
Sr. No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of the Journal	Year of Publication	ISBN/ISSN number	Journal Link where the Paper is Available	Evidence for the Recognition in UGC enlistment of the journal		
								Link of Scopus and Web of Science Journals	Serial Number of UGC approved Journal List	Serial Number of Deleted List of Journals

1	An Android Based Shopping Queue Reduction App Using NFC Technology	Ms. Dakshayani G	Computer Engineering	International Journal of Emerging Technology and Advanced Engineering	2017-18	ISSN : 2250-2459	https://ijetae.com/files/Volume7Issue11/IJETAE_1117_49.pdf			Sl. No. 2143
2	"Investigating the critical aspects of evaluating the material non linearity in metal plates using Lamb Waves Theoretical and Numerical Approach"	Nitesh Y.	Mechanical Engineering	Elsevier, Applied Accoustics 140 (2018) 301-314	2017-18	ISSN / eISSN: 0003-682X / 1872-910X	https://www.sciencedirect.com/science/article/abs/pii/S0003682X18304584	https://mjl.clarivate.com/search-results?issn=0003-682X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-these-results	Sl. No.796	
3	"Theoretical and Experimental evaluation of material non linearity in metal plates using lamb waves"	Nitesh Y.	Mechanical Engineering	Wiley, Structural Control and Health Monitoring. 2018 : e2164	2017-18	ISSN / eISSN: 1545-2255 / 1545-2263	https://onlinelibrary.wiley.com/doi/abs/10.1002/stc.2164	https://mjl.clarivate.com/search-results?issn=1545-2255&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	Sl. No.8603	
4	"Design and Analysis of Thermo-Acoustic Cooling Setup"	Mathewlal T.	Mechanical Engineering	International Journal of Engineering Technology Science and Research	2017-18	ISSN 2394-3386	http://ijetr.com/images/short_pdf/1512393469_1260-1265-ijeteh1028_ijetr.pdf			Sl. No.275
5	"Experimental Investigation of Thermoacoustic effect using a Thermoacoustic refrigeration setup,	Mathewlal T.	Mechanical Engineering	International Journal of Engineering Technology Science and Research	2017-18	ISSN 2394-3386	http://www.ijetr.com/images/short_pdf/1503178219_518-523-cdac241_ijetr.pdf			Sl. No.275
6	Detection of Branch Retinal Vein Occlusions using Fractal Analysis	Pranali Choudhari	Electronics and Telecommunication Engineering	International Journal of Computer Applications (IJCA), Vol 162, No. 8,	2017-18	ISSN :0975 - 8887	https://www.ijcaonline.org/archives/volume162/number8/27265-2017913394			Sl. No.1663
7	Segmentation and Reconstruction Techniques for Modeling of Blood Vessel	Pranali Choudhari	Electronics and Telecommunication Engineering	International Journal of Computer Applications (IJCA), Vol 162 No. 8	2017-18	ISSN :0975 - 8887	https://www.ijcaonline.org/archives/volume162/number8/27264-2017913392			Sl. No.1663
8	Electromagnetic cloaking in higher order spherical cloaks	R P R C Aiyar	Electronics and Telecommunication Engineering	Applied Physics B (Laser and Optics)	2017-18	ISSN: 0946-2171 (Print)	https://link.springer.com/article/10.1007/s00340-017-6758-z	https://mjl.clarivate.com/search-results?issn=0946-2171&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	Sl. No.844	
9	Music Modulated TENS Therapy	Yogesh Chandurkar	Electronics and Telecommunication Engineering	Asian Journal of Convergence in Technology	2017-18	ISSN No.2350-1146	www.asianssr.org/index.php/ajct/article/download/291/84/			Sl. No.3313
10	Near Infrared Spectrometry for Assessment of Bone Mineral Density	Pranali Choudhari	Electronics and Telecommunication Engineering	Procedia Computer Science, Science Direct	2017-18	ISSN :1877-0509	https://doi.org/10.1016/j.procs.2018.10.371	https://www.scopus.com/sourceid/19700182801		
11	Discriminating Parkinson and Healthy People Using Phonation and Cepstral Features of Speech	Savitha S. Upadhy	Electronics and Telecommunication Engineering	Elsevier's Procedia in Computer Science, Science Direct	2017-18	ISSN: 1877-0509	https://www.sciencedirect.com/science/article/pii/S1877050918320726	https://www.scopus.com/sourceid/19700182801		
12	Performance Comparison of Regression Techniques in Predicting Parkinson Disease Severity Score Using Speech Features	Savitha S. Upadhy	Electronics and Telecommunication Engineering	Biomedical Engineering: Applications, Basis and Communications, World Scientific Publishing	2017-18	ISSN (print): 1016-2372 ISSN (online): 1793-7132	https://www.worldscientific.com/doi/abs/10.4015/S1016237218500254	https://www.scopus.com/sourceid/92049		

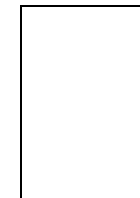
13	Single Phase Current Source Inverter with Multi control for Transformerless Grid-PV Interface	Mini Rajeev	Electrical Engineering	IEEE Transaction on Industry Applications, Vol 54, NO 3,	2017-18	Print ISSN: 0093-9994 Electronic ISSN: 1939-9367	https://ieeexplore.ieee.org/iel7/28/4957013/08242683.pdf	https://mjl.clarivate.com/search-results?issn=0093-9994&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal	Sl. No.3857	
14	Smart word recognition system	Jaya Gupta	Information Technology	International Journal of Innovations & Advancement in Computer Science	2017-18	ISSN 2347 – 8616	http://academicscience.co.in/admin/resources/project/paper/f201803221521726991.pdf			Sl. No.2571
15	'A scope of using Carbon nanobeads prepared from castor seeds as biosensors'.	Swapna Gijare and Suma Jebin	Basic Science and Humanities	International Journal of Scientific Research in Science and Technology	2017-18	ISSN 2391-7064	http://ijsrst.com/paper/1953.pdf			Sl. No.1610
Acadamec Year 2016-17										
Sr. No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of the Journal	Year of Publication	ISBN/ISSN number	Journal Link where the Paper is Available	Evidence for the Recognition in UGC enlistment of the journal		
								Link of Scopus and Web of Science Journals	Serial Number of UGC approved Journal List	Serial Number of Deleted List of Journals
1	Double Face Attack Resistant Trust Management Frameworks in Mobile Ad Hoc Networks: A Survey	Dr. Lata Ragha	Computer Engineering	International Journal of Innovations in Engineering and Technology (IJET)	2016-17	ISSN: 2319 - 1058	ijet.com/wp-content/uploads/2017/03/41.pdf			Sl. No.2599
2	Design of Tool for Digital Forensics in Virtual Environment	Ms. Shagufa R	Computer Engineering	International Journal of Computer Application	2016-17	ISSN-0975-8887	https://www.ijcaonline.org/archives/volume163/number4/27387-2017913516			Sl. No.1663
3	Overview of Various Frequent Item Set Mining algorithms of Big Data	Ms. Smita Dange	Computer Engineering	International Journal of Engineering Research in Computer Science and Engineering (IJERCSE)	2016-17	ISSN(online):2394-2320	http://ijercse.com/abstract.php?id=6421			Sl. No.3605
4	Intrusion Detection Security System Using HOG& SVM	Ms. P.B. Vijayalakshmi	Computer Engineering	International Journal of Advanced Research in Computer Engineering and Technology	2016-17	ISSN-2278-1323				Sl. No.2568
5	Predictive Modeling in Campaign Management	Ms. Rakhi K	Computer Engineering	International Journal of Advanced Research in Computer Engineering & Technology (IJARCET)	2016-17	ISSN 2278-1323	http://ijarcet.org/wp-content/uploads/IJARCET-VOL-5-ISSUE-10-2488-2491.pdf			Sl. No.2568
6	A Smart Shopping System	Ms. Dakshayani	Computer Engineering	International Journal of Advanced Research in Computer engineering and Technology	2016-17	ISSN-2278-1323	http://ijarcet.org/wp-content/uploads/IJARCET-VOL-5-ISSUE-11-2636-2640.pdf			Sl. No.2568
7	"Numerical Simulation of Heat Transfer augmentation in a Rectangular Solar Air Heater Duct"	Nilesh V., Bipin M., Pallavi K. and Kamlesh S.	Mechanical Engineering	International Research Journal of Engineering and Technology	2016-17	ISSN:2395-0056	https://www.irjet.net/archives/V3/I1/IRJET-V3I1117.pdf			Sl. No.18 in ICI list
8	"A hybrid method based upon nonlinear Lamb wave response for locating a delamination in composite laminates"	Nitesh Y.	Mechanical Engineering	ELSEVIER Ultrasonics, Vol. 70,	2016-17	ISSN / eISSN: 0041-624X / 1874-9968	https://www.sciencedirect.com/science/article/abs/pii/S0041624X16300233	https://mjl.clarivate.com/search-results?issn=0041-624X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
9	" To obtain Pyrolysis oil from waste plastics of different grades and to determine its calorific value"	Kanika Mathur	Mechanical Engineering	International Research Journal of Engineering and Technology	2016-17	ISSN:2395-0056	https://www.irjet.net/archives/V3/I1/IRJET-V3I10219.pdf			Sl. No.18 in ICI list

10	"Smart solar irrigation system"	Shamim P. and Praseed K.	Mechanical Engineering	International Research Journal of Engineering and Technology	2016-17	ISSN:2395-0056	https://www.irjet.net/			Sl. No.18 in ICI list
11	"Teaching learning based optimization (TLBO) for optimal placement of piezo – patches"	Santosh C.	Mechanical Engineering	Indian Journal of Science and Technology	2016-17	ISSN: 0974-6846,	http://www.indjst.org/index.php/indjst/article/view/100959	https://mjl.clarivate.com/search-results?issn=0974-6846&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal		
12	"Experimental & Simulation study to reduce engine noise"	Nilaj D.	Mechanical Engineering	Indian Journal of Science and Technology	2016-17	ISSN: 0974-6846, Vol. 9(34)	http://www.indjst.org/index.php/indjst/article/view/100921	https://www.scopus.com/sourceid/21100201522		
13	"Detection of delamination in composite laminates using lamb wave based non linear method"	Nitesh Y.	Mechanical Engineering	ELSEVIER- Composite structures	2016-17	ISSN / eISSN: 0263-8223 / 1879-1085	https://www.sciencedirect.com/science/article/pii/S0263822316319663?via%3Dihub	https://mjl.clarivate.com/search-results?issn=0263-8223&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
14	"Suppression of Thermo-Acoustic instability using Air Injection in Horizontal Rijke Tube"	Nilaj D.	Mechanical Engineering	Elsevier-Journal of the Energy Institute	2016-17	ISSN / eISSN: 1743-9671 / 1746-0220	https://www.sciencedirect.com/science/article/abs/pii/S1743967116300447?via%3Dihub	https://mjl.clarivate.com/search-results?issn=1743-9671&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
15	"Design and Analysis of Ball Screw-Based Inertial Harvester"	Nitin S.	Mechanical Engineering	Iranian Journal of Science and Technology	2016-17	ISSN 2228-6187	https://link.springer.com/article/10.1007/s40997-017-0121-1	https://mjl.clarivate.com/search-results?issn=1028-6276&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=journal-profile-share-this-journal	Sl. No.4537	
16	"Cost Models for Improve vehicle Assembly line performance"	S.M.Khot	Mechanical Engineering	International Journal Simulation and Process Modelling, volume 12, No 2, 2017, pp-111-123	2016-17	ISSN online 1740-2131	http://www.inderscience.com/offer.php?id=83527	https://www.scopus.com/sourceid/7900153143		
17	"Optimizing Location of damage within an enclosed area defined by an algorithm based on the lamb wave response data"	Nitesh Y.	Mechanical Engineering	Applied Acoustics, Elsevier, vol 120, pp:98-110	2016-17	ISSN / eISSN: 0003-682X / 1872-910X	https://www.sciencedirect.com/science/article/abs/pii/S0003682X17300439	https://mjl.clarivate.com/search-results?issn=0003-682X&hide_exact_match_fl=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
18	"Lambwave based experimental and finite element simulation study for damage detection in an aluminum and composite plate using geodesic algorithm"	Nitesh Y.	Mechanical Engineering	International Journal of Acoustics and Vibrations, vol 22, No 4, pp:413-421	2016-17	ISSN:1027-5851	https://www.iiav.org/ijav/content/volumes/22_2017_497501490091138/vol_4/1018_fullpaper_1760251513594763.pdf	https://www.scopus.com/sourceid/20426		
19	"Automated Storage & Retrieval System"	Girish D. and Sanjay R.	Mechanical Engineering	International Research Journal of Engineering and Technology	2016-17	vol 4, issue 1	https://www.irjet.net/archives/V4/I1/IRJET-V4I1111.pdf	https://www.scopus.com/sourceid/21100944103		Sl. No.18 in ICI list

20	Mathematical Modeling of Stroke Volume from the Peripheral Blood Flow for Non Invasive Plethysmographic Measurement of Cardiac Output and Its Validation	Pranali Choudhari	Electronics and Telecommunication Engineering	Biomedical Engineering: Applications, Basis and Communications Vol. 29, No. 06	2016-17	ISSN: 1793-7132	https://www.worldscientific.com/doi/abs/10.4015/\$1016237217500417	https://www.scopus.com/sourceid/92049		
21	Remote controlled Quadcopter for image capturing	Nilashree Wankhede	Electronics and Telecommunication Engineering	International Journal of Engineering and Advanced Technology (UEAT)	2016-17	ISSN (Online): 2249 – 8958	https://www.ijeat.org/icodisp2017/			Sl. No.3599
22	ROI Based Medical Image Compression	Megha Kolhekar	Electronics and Telecommunication Engineering	International Journal of scientific research in network security and communication	2016-17	E-ISSN 2321-3256	https://www.ijrnsr.org/full_paper_view.php?paper_id=237			Sl. No.2452
23	Music Player Based on Emotion Recognition using	Savitha S Upadhy	Electronics and Telecommunication Engineering	International Journal of Research and Development	2016-17	ISSN:- 2379-073x	https://www.researchgate.net/publication/337623671_Music_Player_Base		Sl. No.3743	
24	Glass Box-An attempt to make Black Box Intelligent	Manita Rajput	Electronics and Telecommunication Engineering	International Journal of Pure and Applied Mathematics	2016-17	ISSN: 1311-8080 (printed version); ISSN: 1314-3395 (online version)	http://acadpubl.eu/iji/2017-115-6-7/articles/6/61.pdf	https://www.scopus.com/sourceid/19700182690		
25	Finite Element Modeling and simulation of arteries in the human arm to study the aortic pulse wave propagation	Pranali Choudhari	Electronics and Telecommunication Engineering	Procedia Computer Science ,2016 vol. 93,	2016-17	ISSN : 1877-0509	https://www.sciencedirect.com/science/article/pii/S187705091631523X	https://www.scopus.com/sourceid/19700182801		
26	Extraction of Phonation Measures Affected by Parkinson Disease	Savitha Upadhy	Electronics and Telecommunication Engineering	International Journal of Electrical and Electronic Engineers	2016-17	ISSN: 2321-2055	https://www.semanticscholar.org/paper/EXTRACTION-OF-PHONATION-MEASURES-AFFECTED-BY-Upadhy-Cheeran/472283fde6e634fe1e51458e96795d26ccbfbb		Sl. No. 3905	
27	Review of Control Techniques of Three Phase Boost type PWM Rectifiers	Harshada C. Bhosale	Electrical Engineering	International Journal of Science and Research (IJSR),	2016-17	ISSN: 2319- 7064	https://pdfs.semanticscholar.org/26d7/565c9f2d4ef99298afe4177196af6ec005bf.pdf			Sl.No.3766
28	MADM Approach to Select Network in heterogeneous Wireless Environment	Mrs. Smita Rukhande	Information Technology	International Journal of Engineering Science and Computing, (IJESC), Volume 6, Issue 10, ISSN 2321-3361	2016-17	ISSN: 2321-3361	http://ijesc.org/upload/468e8263b6022ca1e0820569771b4fbc.Madmapproach%20to%20select%20Network%20in%20Heterogeneous%20Wireless%20Environment.pdf			Sl.No.2341
29	An Overview of a Crank Nicolson method to solve parabolic partial differential equation.	Neethu Fernandes and Rakhi Bhadkamkar	Basic Science and Humanities	International Journal of Scientific & Engineering Research	2016-17	ISSN : 2229-5518	https://www.ijser.org/researchpaper/AN-OVERVIEW-OF-A-CRANK-NICOLSON-METHOD-TO-SOLVE-PARABOLIC-PARTIAL-DIFFERENTIAL-EQUATION.pdf			Sl.No.2373
30	Detection of Interfaces and Voids in Pipelines Using Gamma Scanning	Suma Jebin	Basic Science and Humanities	International Organisation of Scientific Research, Vol.8, Issue 4, Ver.1, Jul.-	2016-17	ISSN : 2278-4861	http://www.iosrjournals.org/iosr-lap/papers/Vol8-Issue4/Version-1/C0804011226.pdf			Sl.No.1260
Acadamec Year 2015-16										
Sr. No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of the Journal	Year of Publication	ISBN/ISSN number	Journal Link where the Paper is Available	Evidence for the Recognition in UGC enlistment of the journal		
								Link of Scopus and Web of Science Journals	Serial Number of UGC approved Journal List	Serial Number of Deleted List of Journals
1	Anti theft tracking and location detection	Ms. Rakhi K	Computer Engineering	International Journal of Computer Engineering and Applications	2015-16	ISSN 2321-3469	http://www.ijcea.com/anti-theft-tracking-location-detection/			Sl. No. 2231
2	"Product Development and its comparative Analysis by SLA, SLS and FDM Rapid Prototyping Processes"	C. M. Choudhari	Mechanical Engineering	IOP Conference Series: Materials Science and Engineering, IConAMMA-2016	2015-16	ISSN:1757-8981E-ISSN:1757-899X	https://iopscience.iop.org/article/10.1088/1757-899X/149/1/012009	https://www.scopus.com/sourceid/19700200831		

3	"Experiments on Heat Content inside a Rijke Tube with suppression of Thermo-Acoustic Instability"	Nilaj D.	Mechanical Engineering	International Journal of Spray and Combustion Dynamics	2015-16	ISSN:1756-8277E-ISSN:1756-8285	https://journals.sagepub.com/doi/10.1177/1756827716655007	https://www.scopus.com/sourceid/19800188068	Sl. No.4441	
4	"Effect of Pointed and Diffused Air Injection on Premixed flame Confined in a Rijke Tube"	Nilaj D.	Mechanical Engineering	Cogent Engineering	2015-16	ISSN:2331-1916	doi.org/10.1080/23311916.2016.1156280	https://www.scopus.com/sourceid/21100466404		
5	Effect of Link Length Ratio on the Workspace of a Delta Robot	Aqleem S.	Mechanical Engineering	International Journal of Engineering and Advanced Technology(IJEAT)	2015-16	ISSN: 2249 – 8958	https://www.ijeat.org/wp-content/uploads/papers/v5i4/D4506045416.pdf	https://www.scopus.com/sourceid/21100899502		
6	"Effect of Pointed and Diffused Air Injection on Premixed flame Confined in a Rijke Tube"	Nilaj D.	Mechanical Engineering	Cogent Engg	2015-16	ISSN:2331-1916	doi.org/10.1080/23311916.2016.1156280	https://www.scopus.com/sourceid/21100466404		
7	"Mathematical Modelling of Vehicle Assembly line for throughput enhancement"	S. M. Khot	Mechanical Engineering	International Journal of Simulation and Process Modelling	2015-16	ISSN online 1740-2131	http://www.inderscience.com/offer.php?id=78511	https://www.scopus.com/sourceid/7900153143		
8	Design and Fabrication of an Incense Stick making machine	Shradha Patil	Mechanical Engineering	International journal of scientific and technology research	2015-16	ISSN 2277-8616.	https://www.scribd.com/document/348935825/Design-And-Fabrication-Of-An-Incense-Stick-Making-Machine-pdf	https://www.scopus.com/sourceid/21100894501		
9	Intelligent System Based on Impedance Cardiography for Non-invasive Measurement and Diagnosis	Pranali Choudhari	Electronics and Telecommunication Engineering	Advances in Intelligent Systems and Computing	2015-16	ISBN :978-3-319-23035-1	https://link.springer.com/chapter/10.1007/978-3-319-23036-8_6	https://www.scopus.com/sourceid/5100152904		
10	Study of Vocal Tract Shape Estimation Techniques for Children	N. S. Wankhede and M. S. Shah	Electronics and Telecommunication Engineering	Procedia Computer Science	2015-16	doi: 10.1016/j.procs.2016.03.035	https://www.sciencedirect.com/search/advanced?qs=study%20of%20vocal%20tract%20shape%20estimation%20shah&pub=Procedia%20Computer%20Science&cid=280203	https://www.scopus.com/sourceid/19700182801		
11	Multipurpose Smart Bag	Nilashree Wankhede	Electronics and Telecommunication Engineering	Procedia Computer Science	2015-16	doi: 10.1016/j.procs.2016.03.011	https://www.sciencedirect.com/science/article/pii/S1877050916002179	https://www.scopus.com/sourceid/19700182801		
12	Design and Simulation of a Blacklisting Technique for Detection of Hello flood Attack on LEACH Protocol	Reddy K.T.V. and Rajput Manita	Electronics and Telecommunication Engineering	Procedia Computer Science	2015-16	10.1016/j.procs.2016.03.086	https://www.sciencedirect.com/science/article/pii/S1877050916002179	https://www.scopus.com/sourceid/19700182801		
13	Digit recognition based on Euclidean and DTW	S. R. Nair and M. S. Shah	Electronics and Telecommunication Engineering	International Journal of Computer Applications (IJCA)	2015-16	ISSN 0975-8887	https://www.researchgate.net/publication/283201002_Digit_Recognition_based_on_Euclidean_and_DTW		Sl. No.1663	
14	Electromagnetic cloaking in convex and concave media with surface modeled as a parameterised function	R P Aiyar	Electronics and Telecommunication Engineering	Opt. Express 23(12)	2015-16	DOI:10.1364/OE.23.015641	https://www.osapublishing.org/DirectPDFAccess/F52CF2FC-B6A2-3C9F-5F1CA7BB8EE549F6_320086/oe-23-12-15641.pdf?da=1&id=320086&seq=0&mobile=no	https://www.scopus.com/sourceid/12862		
15	WSN based Spatial Process Monitoring & Analysis System	Smita Hande	Electronics and Telecommunication Engineering	International Journal of Industrial Electronics and Electrical Engineering.	2015-16	ISSN: 2347-6982	http://ijee.org.in/paper_detail.php?paper_id=3354&name=WSN_Based_Spatial_Process_Monitoring_And_Analysis_System		Sl. No.2101	
16	Analysis of Spatial Processes Using Internet of Things	Smita S Hande	Electronics and Telecommunication Engineering	International Journal of Industrial Electronics and Electrical Engineering	2015-16	ISSN: 2347-6982			Sl. No.2101	
17	SIXTH SENSE GADGET	Anita Jadhav	Electronics and Telecommunication Engineering	International Journal of Industrial Electronics and Electrical Engineerin	2015-16	ISSN: 2347-6982	http://pep.ijee.org.in/journal_pdf/11-203-144896344764-67.pdf		Sl. No.2101	
18	Common coupled fixed point theorems in V-fuzzy metric space	Pritha Bhattacharyya	Basic Science and Humanities	International Journal of Computer Technology and Applications, Vol 9, Issue 27, pp. 617–622	2015-16	ISSN:0952-8091		https://www.scopus.com/sourceid/19266		

Acadamec Year 2014-15										
Sr. No	Title of Paper	Name of the Author/s	Department of the Teacher	Name of the Journal	Year of Publication	ISBN/ISSN number	Journal Link where the Paper is Available	Evidence for the Recognition in UGC enlistment of the journal		
								Link of Scopus and Web of Science Journals	Serial Number of UGC approved Journal List	Serial Number of Deleted List of Journals
1	Devanagari to English Converter	Ms. Rakhi Kalantri	Computer Engineering	International Journal of Computer Application	2014-15	ISSN: 2250-1797	https://rspublication.com/ijca/2015/f eb15/11.pdf			Sl. No.1663
2	Analysis of Internet of Things in a Smart Environment	Ms. Sandhya P, Ms. Shagufta R., MS. Swati Kinhekar	Computer Engineering	International Journal of Enhanced Research in Management & Computer Applications	2014-15	ISSN No: 2319-7471	https://pdfs.semanticscholar.org/35fe/c9f1837928c482ed3ad344fa639736bd2506.pdf			Sl. No.688
3	"Design and Fabrication of Grinding Attachment for lathe machine tool "	Prasad Bari	Mechanical Engineering	International Journal of Services Technology and Management, vol 4, issue 4, pp:62-67	2014-15	ISSN: 2394-1537	http://www.ijstm.com/images/short_pdf/1429297170_P62-67.pdf	https://mjl.clarivate.com/search-results?issn=1460-6720&hide_exact_match fi=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
4	Visual Cryptography Authentication for Locker Systems using Biometric Input	Ms. Shagufta R	Computer Engineering	International Journal of Computer Applications (IJCA)	2014-15	ISSN 0975-8887	https://www.ijcaonline.org/archives/volume130/number1/23173-2015906855			Sl. No.1663
5	Designing Virtual Labs Using cloud Computing	Ms. SmitaDange	Computer Engineering	An International Journal Of Advanced Computer Technology	2014-15	ISSN:2320-0790	https://ijact.in/index.php/ijact/article/download/181/149	https://www.scopus.com/sourceid/21100868092		
6	Implementation of RFID Based Toll Collection System	Ms. Rakhi Kalantri	Computer Engineering	International Journal of Enhanced Research in Management & Computer Applications	2014-15	ISSN No: 2319-7471	http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.439.422&rep=rep1&type=pdf			Sl. No.688
7	Database Tamper Detection and Analysis	Ms. Shagufta R	Computer Engineering	International Journal of Computer Applications (IJCA)	2014-15	ISSN: 2277 -1021	http://www.ijcaonline.org/archives/volume105/number15/18452-9322			Sl. No.1663
8	Comparative study of Segmentation and Recognition Methods For hand written Devnagari Script	Ms. Swati Kinhekar	Computer Engineering	International Journal of computer Application	2014-15	ISSN -0975-8887	https://pdfs.semanticscholar.org/a2ab/416c0577f6821850a967efc749a2d61b75a3.pdf			Sl. No.1663
9	"Detection of Stiffness disbanding in a stiffened aluminum panel using nonlinear Lamb wave"	Nitesh Yelve	Mechanical Engineering	ELSEVIER	2014-15	ISSN: 0003-682X	https://www.infona.pl/resource/bwm eta1.element.elsevier-a69cc6a2-074c-3bfe-81aa-e8388c22acc6		Sl. No.796	
10	"Numerical Simulation of Enhancement of heat transfer in a tube with and without rod helical tape swirl generator"	Nilesh Varkute	Mechanical Engineering	International Journal of Mechanical Engineering & Technology, vol 5, issue 6, June 2014, pp 1-13	2014-15	E-ISSN: 0976-6359	http://www.iaeme.com/MasterAdmin/Journal_uploads/IJMET/VOLUME_5_ISSUE_6/IJMET_05_06_001.pdf	https://www.scopus.com/sourceid/21100808402		
11	"Design and Fabrication of Grinding Attachment for lathe machine tool "	Prasad Bari	Mechanical Engineering	International Journal of Services Technology and Management, vol 4, issue 4, pp:62-67	2014-15	ISSN: 2394-1537	http://www.ijstm.com/images/short_pdf/1429297170_P62-67.pdf	https://mjl.clarivate.com/search-results?issn=1460-6720&hide_exact_match fi=true&utm_source=mjl&utm_medium=share-by-link&utm_campaign=search-results-share-this-journal		
12	Stand Alone Personal Digital Health Monitoring System based on Android OS	Jatin Desai	Electronics and Telecommunication Engineering	International Journal of Computer Applications(IJCA)	2014-15	ISSN: 0975 - 8887.	http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.695.4905&rep=rep1&type=pdf			Sl. No.1663



13	Design of Gujarati Text to Speech System	Smita Hande	Electronics and Telecommunication Engineering	International Journal of Research (IJR), vol 2, Issue 5, pp.1017-1019.	2014-15	ISSN 2348-6848	https://pen2print.org/index.php/IJR/article/view/2111			Sl. No.272
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