



# VISVESVARAYA TECHNOLOGICAL UNIVERSITY

ವಿಶ್ವೇಶ್ವರಯ್ಯ ಕಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

"Jnana Sangama", Belagavi - 590 018, Karnataka State, INDIA

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Prof. A. S. Deshpande, B.E., M.Tech., Ph.D  
Registrar  
Ref: VTU/TEQIP 3/2019/321

Date: 10 DEC 2019

## Approval Letter

Sub: Research Proposal approved for "Competitive Research Grant" – Reg.  
Ref: Hon'ble Vice Chancellor approval dated: 09.12.2019

We are pleased to inform you that, the proposal entitled "Fabrication of Self-Assembled Inorganic Nano Patterns for Superior Photovoltaic Device Application" has been selected for the TEQIP Competitive Research Grant.

The details are as given below:

Investigators	Maximum amount approved (Rs.)
1. Dr. Rithin Kumar N. B., Assistant Professor, Physics A J Institute of Engineering and Technology Mangaluru (Lead College)	2 Lakhs
2. Dr. Santhosha Achraya, Associate Professor, Physics Yenepoya Institute of Technology Moodbidri	

The Investigators are informed to follow the enclosed guidelines. The Vendor format and Undertaking is to be submitted on or before 17.12.2019. Only after submission of undertaking letter the grant will be transferred to the lead Institution Principle's Account.

For any clarifications mail to [teqip@vtu.ac.in](mailto:teqip@vtu.ac.in)

To,

The Principal,  
A J Institute of Engineering & Technology Mangaluru

Enclosed:

1. Guidelines
2. Vendor Format
3. Undertaking Format

Copy for information to:

1. The Secretary to Hon'ble Vice Chancellor, VTU, Belagavi.
2. The PS to Registrar, VTU, Belagavi.
3. The Finance Officer, VTU, Belagavi.
4. The TEQIP Cell, VTU, Belagavi.

10.12.19  
REGISTRAR

Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

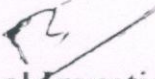
## Statement of Expenditure

Sl No	Date	Particulars	Purpose	Amount (in Rs)
1	13/12/2019	Couriers Postal	Project Documents sent to The HQIP, VTU	140.00
2	23/1/2020	Travelling Cost	PI visit (AJIET, Mangaluru) to Co-PI (YIT, moodbidri) institute for research planning	1680.00
3	4/2/2020	Travelling Cost	Co-PI and his staff colleague to initiate the research work to AJIET, Mangalore	1680.00
4	6/2/2020	Couriers Postal	Documents sent to The HQIP Cell, VTU	41.30
5	8/2/2020	Consumables	Glass Slides and air seal plastic covers	255.00
6	8/2/2020	Travelling cost	PI (AJIET, Mangaluru) to SJEC, Vamanjoor for Sample preparation training discussion, characterization with Experts	336.00
7	8/2/2020	Travelling cost	Co-PI (YIT, Moodbidri) to SJEC, Vamanjoor for Sample preparation training discussion, characterization with Experts	560.00
8	9/2/2020	Travelling cost	PI (AJIET, Mangaluru) travelling to YIT, moodbidri and YIT to MIT manipal (For discussion to extend the research collaborations)	2800.00
9	12/2/2020	Sample Characterization	FESEM/EDS Characterization at Mangalore University	5000.00
10	13/2/2020	Travelling Cost	From AJIET to MIT, manipal for sample characterisation	2240.00
11	24/2/2020	Courier/Postal	Sample sent for characterisation to PSG centre for Research, Coimbatore	55.00
12	24/2/2020	Travelling cost	From AJIET to MIT, Manipal for sample characterisation	2240.00
13	03/3/2020	Sample Characterization	FESEM /EDS spectroscopy at Mangalore University	5000.00
14	25/3/2020	Sample Characterization	Raman Spectroscopy Characterization of Samples at PSG centre for Research, Coimbatore	2832.00
15	29/6/2020	Consumables	Printing Accessories	1829.00
16	29/6/2020	Consumables	Aluminum Foil, Slide Box, Wash Bottle, Labolene, Absorbant Cotton, Micropipette 10-100 $\mu$ L	4604.00
17	30/06/2020	Sample Characterization	XPS Spectroscopy	2832.00
16	16/7/2020	Consumables	Portable pH meter	899.00
18	20/7/2020	International Conference	Registration Fees for International conference AIMS-2020 at BMSIT, Bengaluru	1500.00
19	23/7/2020	Sample Characterization	XRD Spectroscopy Characterization of Samples at PSG centre for Research, Coimbatore	2832.00
20	30/7/2020	Sample Characterization	SEM imaging, Characterisation of Samples at PSG centre for Research, Coimbatore	1475.00
21	8/7/2020	Travelling cost	CO-PI (YIT, moodbidri) travelling to	2500.00

Principal

A. J. Institute of Engineering & Technology  
Mangaluru - 575 006

			AJJET, mangalore and AJJET to MIT manipal (For UV visible Material characterisation)	
22	8/7/2020	Consumables	Vacuum Desiccator, Vacuum Pump 1/20 HP, Magnetic Stirrer Bar With Pivot Ring, Blue Nitrile Gloves, Spatula, Whatman Filter Paper Qualitative circles 125 mm, Hydrochloric Acid, Sulphuric Acid, Nitric Acid, Iso Propyl Alcohol, Absolute Alcohol, Glycerol, Hydrogen Peroxide	31270.00
23	10/7/2020	Sample Characterization	DSC/TGA Characterization (Mangalore University)	5000.00
24	29/7/2020	Travelling cost	PI-From AJJET, Mangalore to MIT manipal (For I-V Material characterization)	2000.00
25	03/8/2020	Travelling cost	PI-From AJJET to SJEC (Material characterisation)	300.00
26	05/8/2020	Sample Characterization	EDS particle mapping, Characterisation of Samples at PSG centre for Research, Coimbatore	590.00
27	8/7/2020	International Conference	Registration Fees for International conference ICAMSC-2020 at Amrita VishwaVidyapeetham	1500.00
<b>Total</b>				<b>83990.30</b>

  
Principal Investigator

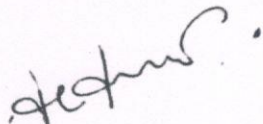
Dr Rithin Kumar N B

Assistant Professor

Department of Physics

A J Institute of Engineering and Technology

Mangaluru-575006

  
Co-Investigator

Dr Santhosha Acharya

Associate Professor

Department of Physics

Yenepoya Institute of Technology

Moodbidri-574225

  
Principal

(Lead College)  
**Dr. SHANTHARAMA RAI C.,**

B.E., M.Tech., Ph.D., MISTE, MISLE

PRINCIPAL

A.J. INSTITUTE OF ENGINEERING & TECHNOLOGY  
MANGALURU - 575 006

  
Principal

A.J. Institute of Engineering & Technology  
Mangaluru - 575 006

Visvesvaraya Technological University  
Belagavi - 590018  
TEQIP CELL

Ref: VTU/TEQIP 3/2020/ 122

Date: 18/01/2020

To,

The Principal,

A J Institute of Engineering & Technology,

Mangaluru.

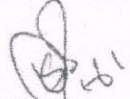
Ref: VTU/TEQIP 3/2019/321.

Subject: Advance Release for Competitive Research Grant-Reg.

On the cited Subject, Advance amount of Rs 2.0 Lakhs transferred to your bank account on 18.01.2020. please do share the Documents/ Bills as per (Guidelines for Investigators) to TEQIP Cell as and when needed. Please note that, the expenses has to be settled latest by end July 2020.

For Clarifications, please Email to [teqip@vtu.ac.in](mailto:teqip@vtu.ac.in) Contact: 7760133776.

Dr. S.L.Deshapande



TEQIP Coordinator

Cc: Investigator.

Dr.Rithin kumar N.B- Assistant Professor

Principal  
A.J. Institute of Engineering & Technology  
Mangaluru - 575 006