



### 3.1.1 Grants received from Government and non-governmental agencies for research projects endowments in the institution during the the academic year 2021-22.

| SI. No. | Name of the research project/ endowment   | Name of the Principal Investigator/Co-investigator | Department of Principal Investigator  | Duration of the project | Amount Sanctioned (INR in Lakhs) |
|---------|---|--|---------------------------------------|-------------------------|----------------------------------|
| 1       | Development of Biodegradable Implant Materials  | Dr. Gajanan Anne (PI) & Dr. Reena Kumari D(COI)    | Mechanical Engineering                | 2 years                 | 12                               |
| 2       | Digital Documentation Of Halegannada Inscriptions And Design Of Deep Learning Algorithm For The Character Recognition Of Kannada Epigraphs And Inscriptions | Dr. Nagaraj Bhat                                   | Computer Science Engineering          | 2 years                 | 10                               |
| 3       | Design and Fabrication of Multi-Functional Agricultural Vehicle (Design and Fabrication of Groundnut Seed Sowing Machine)                                   | Mr. Lingaraj K Ritti                               | Mechanical Engineering                | 1 year                  | 0.05                             |
| 4       | Development of Tree Delimber for Shade Trees in Coffee Plantation   | Mr. Karthik V                                      | Mechanical Engineering                | 1 year                  | 0.05                             |
| 5       | Mobile application based home services to enhance job opportunities and uality of life in rural areas   | Mr. Madhusoodhan Rao N                             | Civil Engineering                     | 1 year                  | 0.05                             |
| 6       | Novel Approach to assets feasibility of pervious asphalt pavements for rural roads futuristic sustainable construction practices                            | Mr. Sunil haldankar                                | Civil Engineering                     | 1 year                  | 0.05                             |
| 7       | Crop recommendation system using Machine learning   | Mr. Deepak Rao                                     | Computer Science Engineering          | 1 year                  | 0.05                             |
| 8       | Counterfiet Drug detection using Block chain  | Ms. Rukmini Bhat                                   | Computer Science Engineering          | 1 year                  | 0.05                             |
| 9       | Supplemental System for Assisting the Knee Joint  | Dr. Sachin S Bhat                                  | Electronics Communication Engineering | 1 year                  | 0.05                             |
| 10      | Agricultural Drone  | Dr.H VBalachandra Achar                            | Electronics Communication Engineering | 1 year                  | 0.05                             |

*Anoop*

Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115



## ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

( "ವಿಜಯಃ ಅಧಿನಯಮು ಗಣೇಶ" ರ ಅಡಿಯಲ್ಲಿ, ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)  
'ಜ್ಞಾನ ಸಂಗಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

### Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

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

Prof. A. S. Deshpande B.E., M.Tech., Ph.D.

Phone : (0831) 2498100

REGISTRAR

Fax : (0831) 2405467

Ref: VTU/BGM/Aca/A-12/ VTU RGS /DIS -ME/2021-22/ 5862/28

Date : 18 FEB 2022

To,

The Principal,

Shri Madhwa Vadiraja Institute of Technoloy and Management, Udupi

Sub: Grants for Research Proposal for the year 2021-22

Ref.: 1. VTU/Aca./2021-22/ PS/2019-20/9707, dated 18-03-2020.

2. Hon'ble Vice-Chancellor's approval dt: 11-02-2022

At the outset please accept our congratulations and greetings.

We are pleased to inform you that, the grant of Rs. 12.00 Lakhs (Rupees Twelve Lakh only) is sanctioned to the research proposal entitled as "Development of Biodegradable implant Materials." submitted by Dr.Gajanan Anne (PI) and Dr.Reena Kumari D (CoI) under VTU Research Grants Scheme -2021.

The expenditure of the sanctioned amount needs to be planned as under.

| Expenditure Particulars   |  | First Year<br>(Rs. in<br>Lakhs) | Second Year<br>(Rs. in Lakhs) | Total (Rs.<br>in Lakhs) |
|---|--|---------------------------------|-------------------------------|-------------------------|
| Non -<br>Recurring  | Fellowship for Research Scholar  | 0.00                            | 0.00                          | 0.00                    |
|   | Equipments/Software/Instruments<br>(Purchase of Desktops/Laptops are not<br>permitted)   | 8.00                            | 1.50                          | 9.50                    |
| Recurring   | Consumables (Glass wares/Chemicals)  | 0.75                            | 0.75                          | 1.50                    |
|   | Others (Expenditure towards/ testing /<br>consultancy / publications of research<br>work in terms IPR Registrations (not<br>for paper publications in journals) /<br>TA -DA to present a paper in<br>conferences or workshop or symposia<br>in India . | 0.50                            | 0.50                          | 1.00                    |
| Total (Rs. in Lakhs)  |  | 9.25                            | 2.75                          | 12.00                   |
| VTU Contribution (75% of the Sanctioned Amount)<br>This amount will be released after receiving the<br>acceptance letter and compliance of Point Number 10,11<br>& 12 mentioned in "Terms and Conditions" |  | 6.938                           | 2.063                         | 9.00                    |
| Institute Contribution (25% of the Sanctioned<br>Amount)<br>Please Refer Point Number 10,11 & 12 in the "Terms<br>and Conditions" and comply accordingly  |  | 2.313                           | 0.688                         | 3.00                    |

*[Signature]*

Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar, Udupi Dist.  
BANTAKAL - 574 115

SMVITM/266/2021-22  
INITIALS

To HOD(Mech/chem/PHY)

File/OS

*[Signature]*  
24/2/2022



**Applicable Terms and Conditions:**

1. The grant will be released in the name of the Principal of the Institute and Principal Investigator of the project.
2. The grant shall be utilized for the purpose for which it has been sanctioned.
3. The research activities of the sanctioned projects will be evaluated at the end of each year by committee constituted by VTU. Also, the LIC team of VTU may review the progress.
4. Change in heads of expenditure mentioned in the table on the previous page is not permitted.
5. The grantee institute has to abide by the guidelines of VTU Research Grant Scheme.
6. VTU reserves all the rights to change/modify rules/guidelines in this regard.
7. The Principal of the institute shall submit year wise Utilization Certificate (UC) and in the prescribed format and Audit Report (Duly signed by CA) to the undersigned. The subsequent grant will be released only after submission of UC for the grant released earlier along with details of expenditure and satisfactory work progress report.
8. The project will last for two years from the day that the Grantee Institute receives the amount of first Installment.
9. Any correspondence by the Investigators to the Registrar of VTU shall be routed through the Principal of the Grantee Institute.
10. VTU shall release the amount of first installment, after an exclusive Joint Bank Account for the sanctioned project is opened and remitted the Institute share of 25% of the First Year Installment as mentioned in the above table and same shall be intimated to VTU by submitting copy of account statement.
11. The exclusive Bank Account must be Join Account in the name of Principal of the Institute and Principal Investigator with the title of the project mentioned as purpose.
12. Grantee Institute shall submit account details in the *mandate form (enclosed)* along with duly signed *acceptance letter (Format Enclosed)*. These are required for issuing the sanction order and release of fund from our end.


Thanking you,

Yours faithfully,

Registrar  
VTU

Encl:

- 1) Format of Mandate Form
- 2) Format of Acceptance letter

  
Principal  
SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udupi Dist.  
BANTAKAL 576 115



# ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

("ವಿ ಟ ಯು ಉ ಅಧಿನಿಯಮ ೧೯೯೪" ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ)  
'ಜ್ಞಾನ ಸಂರಮ', ಬೆಳಗಾವಿ - ೫೯೦ ೦೧೮ ಕರ್ನಾಟಕ ರಾಜ್ಯ

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Prof. A. S. Deshpande B.E., M.Tech., Ph.D.

REGISTRAR

Ref: VTU/BGM/Aca/A-12/ VTU RGS /DIS -EEE/2021-22/ 0066/9

Phone : (0831) 2498100

Fax : (0831) 2405467

Date : 2 MAR 2022

To,  
The Principal,  
Shri Madhwa Vadiraja Institute of Technoloy and Management, Udupi

Sub: Grants for Research Proposal for the year 2021-22

Ref.: 1. VTU/Aca./2021-22/ PS/2019-20/9707, dated 18-3-2020.

2. Hon'ble Vice-Chancellor's approval dt:11-02-2022.

*At the outset please accept our congratulations and greetings.*

We are pleased to inform you that, the grant of Rs. 10.00 Lakhs (Rupees Ten Lakh only) is being sanctioned for the research proposal entitled as "Digital Documentation of Halegannada Inscriptions and Design of Deep Learning Algorithm for the Character Recognition of kannada Epigraphs and inscriptions..." submitted by Dr.Sachin Bhat (PI), Dr. Nagaraj Bhat and (CoI-1) and Alaka Ananth (CoI-2) under VTU Research Grants Scheme -2021.

The expenditure of the sanctioned amount needs to be planned as under.

| Expenditure Particulars   |   | First Year<br>(Rs. in<br>Lakhs) | Second<br>Year (Rs.<br>in Lakhs) | Total<br>(Rs. in<br>Lakhs) |
|---|---|---------------------------------|----------------------------------|----------------------------|
| Non -<br>Recurring  | Fellowship for Research Scholar   | 1.20                            | 1.20                             | 2.40                       |
|   | Equipments/Software/Instruments<br>(Purchase of Desktops/Laptops are not Permitted )  | 5.00                            | 0.00                             | 5.00                       |
| Recurring   | Consumables (Glass wares/Chemicals)   | 1.50                            | 0.60                             | 2.10                       |
|   | Others (Expenditure towards/ testing / consultancy / publications of research work in terms IPR Registrations (not for paper publications in journals) / TA-DA to present a paper in conferences or workshop or symposia in India . | 0.25                            | 0.25                             | 0.50                       |
| <b>Total (Rs. in Lakhs)</b>   |   | <b>7.95</b>                     | <b>2.05</b>                      | <b>10.00</b>               |
| <b>VTU Contribution (75% of the Sanctioned Amount)</b><br>This amount will be released after receiving the acceptance letter and compliance of Point Number 10,11 &12 mentioned in "Terms and Conditions" |   | 5.9625                          | 1.5375                           | 7.50                       |
| <b>Institution Contribution (25% of the Sanctioned Amount)</b><br>Please Refer Point number 10,11 &12 in the "Terms and Conditions" and comply accordingly  |   | 1.9875                          | 0.5125                           | 2.50                       |

  
Principal

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwethama Nagar Udupi Dist.  
BANTAKAL - 574 115



**Applicable Terms and Conditions:**

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11. The exclusive Bank Account must be Join Account in the name of Principal of the Institute and Principal Investigator with the title of the project mentioned as purpose.
12. Grantee Institute shall submit account details in the *mandate form (enclosed)* along with duly signed *acceptance letter (Format Enclosed)*. These are required for issuing the order and release of fund from our end.

Thanking you,

Yours faithfully,

Registrar  
65/2

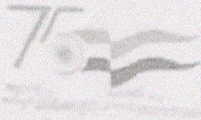
Encl:

- 1) Format of Mandate Form
- 2) Format of Acceptance letter

Principal

**SHRI MADHWA YADIRAJA**  
**INSTITUTE OF TECHNOLOGY & MANAGEMENT**  
Vishwothama Nagar Udupi Dist.  
BANTAKAL - 574 115





ವಿಶ್ವೇಶ್ವರಯ್ಯ ತಾಂತ್ರಿಕ ವಿಶ್ವವಿದ್ಯಾಲಯ

ವಿ.ವಿ.ಯು.ಅಧಿನಿಯಮ ೧೯೯೦ ರ ಅಡಿಯಲ್ಲಿ ಕರ್ನಾಟಕ ಸರ್ಕಾರದಿಂದ ಸ್ಥಾಪಿತವಾದ ರಾಜ್ಯ ವಿಶ್ವವಿದ್ಯಾಲಯ

Visvesvaraya Technological University

(State University of Government of Karnataka Established as per the VTU Act, 1994)

"Jnana Sangama" Belagavi-590018, Karnataka, India

Prof. B.E. Rangaswamy *B.E.*

Phone:(0831)2405468

Registrar

Fax: (0831)2405467

Ref. No. VTU/Aca/2022-23/06/23

Date: 3 APR 2023

To  
The Principal  
Shri Madhwa Vadiraja Institute of Technology & Management, Bantakal

Sir/Madam,

Sub: Sanction of Financial Assistance for 2021-2022 to the Innovative Project of UG Final Year Students of your Institution...reg.

- Ref: 1) No. VTU/BGM/Aca/A-12/VTU-FA/2021-22/1366 dated 7-6-2022  
2) Vice-Chancellor's Order dated 14-2-2023

With reference to the above, please find enclosed herewith D.D. No. 473645214 dated 3/27/2023 (mm/dd/yyyy) for Rs.40000/- towards the sanction of financial assistance to the selected Innovative projects of UG final year students of BE/B.Tech.

Further, you are hereby informed to distributed the amount to the concerned students and get an acknowledgement for the same.

Original copy of the acknowledgement should be submitted to the undersigned on or before April 10<sup>th</sup> 2023.

Yours faithfully,

*BE*

Registrar

Encl: as above

*Office Supdt*

PNA

*13/4/2023*  
*SMVITM/011/22-24*  
**INWARD**

*Principal*

SHRI MADHWA VADIRAJA  
INSTITUTE OF TECHNOLOGY & MANAGEMENT  
Vishwothama Nagar Udipi Dist.  
BANTAKAL - 574 115