



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

3.1.2 SEED Grant

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PROCEEDINGS OF THE REGISTRAR

F.No.: VFSTR/RO/A4/30/2022-23/01

Dt: 07.07.2022

Sub: VFSTR (Deemed to be University) – R&D – Seed Grant proposals of faculty members – amount – sanctioned – orders – Issued.

Read: Committee report for the proposals of Seed Money of faculty members concerned dated 07.07.2022 as approved by the Vice-Chancellor.

* * *

Seed Grant to Faculty members

ORDER

With reference to the above committee report, the list of proposals of faculty members for **Seed Money** for various projects is hereby approved by the Vice-Chancellor. A budget for Rs. 90,50,000/- (Rupees Ninety Lakhs and Fifty Thousand only) is hereby sanctioned to meet the expenditure for executing the projects. The details are as given below: -

S. No	Name of Principle Investigator	Title	Duration (Years)	Grant Amount (Rs)
1.	DR. NIRUPAMA BHAT MUNDUKOR	Maintaining the integrity of audio messages using secret sharing scheme	1	490000
2.	MRS. JYOSTNA DEVI BODAPATI	Post-COVID Chest Disease Monitoring using self-adaptive Convolutional Neural Networks	1	430000
3.	DR. RADHA RANI DEEVI	IoT-Enabled Healthcare Data Analysis in Virtual Hospital Systems Using Industry 4.0 Smart Manufacturing	2	410000
4.	DR. VENKATESULU DONDETI	Maximizing the Lifetime of Wireless Sensor Networks through Fuzzy Controller-Based LEACH Protocol with Longevity Constraints	1	390000
5.	DR. SAMATHA BADUGU	Deep learning based Intrusion prevention system in vehicular network	1.5	380000
6.	MR. YAKOBU DASARI	An efficient crypto scheme for privacy presentation of unstructured text and structured data in public cloud	2	360000
7.	MR. AMAR JUKUNTLA	Energy-efficient mobile sink data collection in wireless sensor networks using LEACH with rendezvous nodes	2	320000
8.	MR. PRATHAP KUMAR RAVULA	Road safety approach to Mitigating the accidents in vehicular networks	2	310000
9.	DR ANJANEYULU PALASA	Automatic film generation using NLP	1.5	350000
10.	MRS. JHANSI LAKSHMI POTHARLANKA	Liveness Detection for Face Recognition System	1	410000



11.	MR. NAGIREDDY VELPULA	MRI and CT Image Based Breast Tumor Detection Framework with Boundary Detection Technique	1	440000
12.	DR. BULLA PREMAMAYUDU	Covid-19 Automatic Detection from CT Images through Transfer Learning	1.5	350000
13.	DR. SUBBA RAO PERAM	CT Image Precise Denoising Model with Edge Based Segmentation with Labeled Pixel Extraction Using CNN Based Feature Extraction for Oral Cancer Detection	2	360000
14.	DR. RANGANADHAREDDY ALURU	Purification and Production Optimization of Alpha Amylases from Bacillus Species	1.5	380000
15.	DR. VENKATA NARAYANA ALUGUNULLA	Prospective removal characteristics of noxious cationic dye using Cladophora catenata: a sustainable approach	1.5	360000
16.	DR. ABRAHAMPEELE KARLAPUDI	In silico sgRNA tool design for CRISPR control of quorum sensing in Acinetobacter species	1.5	360000
17.	DR. KRISHNAMOORTHY SANKARAN	Application of membrane technology in functional food and nutraceutical industries	1	380000
18.	DR. ANAND KUMAR NELAPATI	A computational investigation on immunogenicity of uricase from aspergillus flavus and candida utilis	1.5	370000
19.	DR. SUDHEER KUMAR KATARI	In silico insight into structural and functional attributes of arsenic resistance proteins from Rhizobium radiobacter strain F4.	1.5	320000
20.	DR. VISWAJIT MULPURU	Virtual screening and invitro evaluation of cyclooxygenase inhibitors from Tinospora cordifolia using the machine learning tool	2	340000
21.	DR. JITHENDRA CHIMAKURTHY	Evaluation of Genoprotective effects of marketed herbal formations using <i>in vitro</i> techniques	1.5	360000
22.	DR. SATHISH KONIDALA	Simultaneous determination and impurity profiling of anticancer drugs using RP-HPLC in active pharmaceutical ingredients and finished products	2	380000
23.	MR. MADDULA VENKATA RAMANA	Physicochemical Characterization of an Irbesartan Inclusion Complexes with Modified β -Cyclodextrins Prepared by Optimizing Process Variables and Employing Microwave Irradiation Technique	2	390000

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Established by Act No. 4 of 1996

24.	MR. RAMU	Lamotrigine Novel Cocrystals: An Attempt to Enhance Physicochemical Parameters	1	410000
Total				90,50,000

The above faculty members are requested to follow the purchase and travel norms while purchasing the material and undertaking travel. All the material should be taken on charge in the ledger and accounted for as per existing procedure. The sanctioned amount will be released in phase wise.

The above sanctioned amount is debitible to the budget available under Major head: Research & Development Expenses (400) and Minor head: Seed money for faculty (407) for the Financial Year 2022-23.

To:
Finance Officer
Individual concerned

Copy to
PA to the Vice Chancellor
Dean-Academics
Dean-R&D
Dean-IQAC (for info), Master file

REGISTRAR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
TUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 490000/-** sanctioned to **DR. NIRUPAMA BHAT MUNDUKOR** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Maintaining the integrity of audio messages using secret sharing scheme**". An amount of **Rs. 490000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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FOR SCIENCE, TECHNOLOGY AND RESEARCH
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GUNTUR (DISTRICT), A.P. INDIA



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Foundation for Science, Technology & Research

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-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 430000/-** sanctioned to **MRS. JYOSTNA DEVI BODAPATI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Post-COVID Chest Disease Monitoring using self adaptive Convolutional Neural Networks**". An amount of **Rs. 430000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 410000/-** sanctioned to **DR. RADHA RANI DEEVI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**IoT-Enabled Healthcare Data Analysis in Virtual Hospital Systems Using Industry 4.0 Smart Manufacturing**". An amount of **Rs. Rs. 410000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 390000/-** sanctioned to **DR. VENKATESULU DONDETI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Maximizing the Lifetime of Wireless Sensor Networks through Fuzzy Controller-Based LEACH Protocol with Longevity Constraints**". An amount of **Rs. 390000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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GUNTUR (DISTRICT), A.P. INDIA



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UTILIZATION CERTIFICATE

Certified that out of **Rs. 380000/-** sanctioned to **DR. SAMATHA BADUGU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Deep learning based Intrusion prevention system in vehicular network**". An amount of **Rs. 380000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 360000/-** sanctioned to **MR. YAKÓBU DASARI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**An efficient crypto scheme for privacy presentation of unstructured text and structured data in public cloud**". An amount of **Rs. 360000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

(**Dr. D. YAKÓBU**)

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 320000/-** sanctioned to **MR. AMAR JUKUNTLA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Energy-efficient mobile sink data collection in wireless sensor networks using LEACH with rendezvous nodes**". An amount of **Rs. 320000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

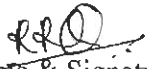
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 310000/-** sanctioned to **MR. PRATHAP KUMAR RAVULA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Road safety approach to Mitigating the accidents in vehicular networks**". An amount of **Rs. 310000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator

R. Prathap Kumar


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 350000/-** sanctioned to **DR ANJANEYULU PALASA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Automatic film generation using NLP**". An amount of **Rs. 350000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
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Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 410000/-** sanctioned to **MRS. JHANSI LAKSHMI POTHARLANKA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Liveness Detection for Face Recognition System**". An amount of **Rs. 410000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

P. Jhansi Lakshmi Potharlanka
 Name & Signature
 of Principal Investigator

[Signature]
 Name & Signature
 of Registrar

[Signature]
 Name & Signature
 of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 440000** /- sanctioned to **MR. NAGIREDDY VELPULA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**MRI and CT Image Based Breast Tumor Detection Framework with Boundary Detection Technique**". An amount of **Rs. 440000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 350000/-** sanctioned to **DR. BULLA PREMAMAYUDU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Covid-19 Automatic Detection from CT Images through Transfer Learning**". An amount of **Rs. 350000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
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UTILIZATION CERTIFICATE

Certified that out of Rs. 360000/- sanctioned to **DR. SUBBA RAO PERAM** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "CT Image Precise Denoising Model with Edge Based Segmentation with Labeled Pixel Extraction Using CNN Based Feature Extraction for Oral Cancer Detection". An amount of Rs. 360000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

Name & Signature
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 380000/-** sanctioned to **DR. RANGANADHAREDDY ALURU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Purification and Production Optimization of Alpha Amylases from Bacillus Species**". An amount of **Rs. 380000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Dr. A. Ranganadha Reddy
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of Rs. 360000/- sanctioned to **DR. VENKATA NARAYANA ALUGUNULLA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Prospective removal characteristics of noxious cationic dye using Cladophora catenata: a sustainable approach**". An amount of Rs. 360000/- was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of 2022-23 as shown in the Statement of Expenditure annexed.


Dr. A. Venkata Narayana

Name & Signature
of Principal Investigator



Name & Signature
of Registrar



Name & Signature
of Finance Officer

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TUNTUR (DISTRICT), A.P. INDIA



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UTILIZATION CERTIFICATE

Certified that out of **Rs. 360000/-** sanctioned to **DR. ABRAHAMPEELE KARLAPUDI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**In silico sgRNA tool design for CRISPR control of quorum sensing in Acinetobacter species**". An amount of **Rs. 360000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
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Name & Signature
of Registrar

Name & Signature
of Finance Officer

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GUNTUR (DISTRICT), A.P. INDIA



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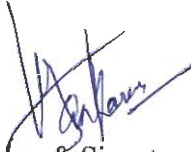
Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 380000/-** sanctioned to **DR. KRISHNAMOORTHY SANKARAN** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Application of membrane technology in functional food and nutraceutical industries**". An amount of **Rs. 380000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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Foundation for Science, Technology & Research

(Deemed to be University)

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UTILIZATION CERTIFICATE

Certified that out of Rs. 370000/- sanctioned to **DR. ANAND KUMAR NELAPATI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "A computational investigation on immunogenicity of uricase from, *aspergillus flavus* and *candida utilis*". An amount of Rs. 370000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

N. Anand Kumar

N. ANAND KUMAR
Name & Signature
of Principal Investigator

[Signature]
Name & Signature
of Registrar

[Signature]
Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 320000/-** sanctioned to **DR. SUDHEER KUMAR KATARI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**In silico insight into structural and functional attributes of arsenic resistance proteins from Rhizobium radiobacter strain F4.**". An amount of **Rs. 320000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Dr. K. Sudheer Kumar
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 340000/-** sanctioned to **DR. VISWAJIT MULPURU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Virtual screening and invitro evaluation of cyclooxygenase inhibitors from *Tinospora cordifolia* using the machine learning tool**". An amount of **Rs. 340000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Dr. Viswajit Mulpuru.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 360000/-** sanctioned to **DR. JITHENDRA CHIMAKURTHY** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Evaluation of Genoprotective effects of marketed herbal formations using in vitro techniques**". An amount of **Rs. 360000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 380000/-** sanctioned to **Dr. SATHISH KONIDALA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Simultaneous determination and impurity profiling of anticancer drugs using RP-HPLC in active pharmaceutical ingredients and finished products**". An amount of **Rs. 380000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
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UTILIZATION CERTIFICATE

Certified that out of Rs. 390000/- sanctioned to Mr. MADDULA VENKATA RAMANA by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Physicochemical Characterization of an Irbesartan Inclusion Complexes with Modified β -Cyclodextrins Prepared by Optimizing Process Variables and Employing Microwave Irradiation Technique**". An amount of Rs. 390000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


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GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 410000/-** sanctioned to **MR. RAMU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Lamotrigine Novel Cocrystals: An Attempt to Enhance Physicochemical Parameters**". An amount of **Rs. 410000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA

**PROCEEDINGS OF THE REGISTRAR**

F.No.: VFSTR/RO/A4/30/2022-23/02

Dt: 22.07.2022

Sub: VFSTR (Deemed to be University) – R&D – Seed Grant proposals of faculty members – amount – sanctioned – orders – Issued

Read: Committee report for the proposals of Seed Money of faculty members concerned dated 22.07.2022 as approved by the Vice-Chancellor.

* * *

Seed Grant to Faculty members**ORDER**

With reference to the above committee report, the list of proposals of faculty members' for **Seed Money** for various projects is hereby approved by the Vice-Chancellor. A budget for Rs. 1,34,70,000/- (Rupees One Crore Thirty-Four Lakhs Seventy thousand only) is hereby sanctioned to meet the expenditure for executing the projects. The details are as given below: -

S. No	Name of Principle Investigator	Title	Duration (Years)	Grant Amount (Rs)
1	DR. SARADA MUSALA	Low Leakage, Differential Read Scheme CNTFET Based 9T SRAM Cells For Biomedical Applications	1.5	480000
2	DR. KUNCHAPARTI ANNAPURNA	A Hybrid Approach for Intrusion Detection System to Enhance Feature Selection	1	460000
3	DR. PAMULAPATI VENKATAPPAREDDY	Mathematical modelling and implementation of a temperature sensor for digital twin applications	1	430000
4	DR. RAVI SEKHAR YARRABOTHU	Enhancing 5G Massive MIMO Systems Using a Compressive Sensing-Based Approach.	1	480000
5	DR. MUTHUSAMY PACHIYANNAN	Mutual Coupling Reduction in Stacked Star MIMO Antenna for WLAN and ITU Band Applications	1.5	410000
6	MR. JOSHUA REGINALD PULLAGURA	Extending The Lifespan Of Wireless Sensor Networks Using Graph Theory Approaches	2	360000
7	DR. ANANDA RAO NELAPATI	Design and Simulation of Wideband Monopole Microstrip Antenna	2	450000
8	DR. MOHAN LAAVANYA	Image Category Classification Using 12-Layer Deep Convolutional Neural Network	2	470000
9	DR. SITARAMANJANEYA REDDY GUNTUR	A cost-effective reusable tissue-mimicking phantom for high-intensity focused ultrasonic liver surgery	1.5	480000
10	DR. SUBBARAO MOPIDEVI	Enhancing Electric Vehicle Performance through Tractive Power Estimation and Motor Drive Control with ANFIS intelligent controller	1	460000



11	DR. MERCY ROSALINA KOTAPURI	Design, Analysis, and Fabrication of Solar Powered Bi-Cycle	1	490000
12	DR. BALA KRISHNA KETHINENI	Automatic Power Factor Correction System	1.5	410000
13	DR. RACHANANJALI KUNAMNENI	Improvement of Voltage Profile and Stability of Transmission System Using VSC-HVDC	2	430000
14	DR. SRINIVASARAO GORANTLA	Power Quality Improvement by using Active Filter	1.5	390000
15	DR. SUVARNA RAJU LAM	Performance investigation of micro hole textured cutting inserts on power consumption and its measuring methodology in turning process	1.5	380000
16	DR. SURESH GAMINI	Inclusion of IoT technology in additive manufacturing: Machine learning-based adaptive bead modeling and path planning for sustainable wire arc additive manufacturing	1.5	470000
17	DR. VINAY KUMAR DOMAKONDA	Combustion, performance and emission characteristics of CI engine fueled with diesel and hydrogen based reactor	1	460000
18	DR. FAROOQ SHAIK	Experimental investigation of gasoline ethanol methanol isostoichiometric blends on SI engine	1.5	450000
19	DR. JYOTHI YARLAGADDA	Experimental Investigation of Sound Absorption Properties of 3D printed PETG Absorbers	1.5	430000
20	DR. SIVA SANKAR ASADI	Creation of Irrigation information system using geospatial technology	2	470000
21	DR. VELANGINIRAJU MOPARTHI	An experimental study on bituminous concrete mix utilising rice husk and CRMB	1.5	490000
22	DR. PANDIAN PARTHIBAN	Experimental Investigation on CFRP wrapped cementitious Concrete	1	410000
23	Dr. SATISH DENDUKURI	Design and development of WQI Calculator	2	380000
24	MR. GOVARDHANA RAO CHILUKOTI	Develoemnt of cellulosic leaf fiber from the typha plant for technical textile application	2	390000
25	DR. SUMALATHA BODDU	Photocatalytic Degradation of Rghodamine B Dye using Green Silver Nanoparticles	1	370000
26	DR. PONNAM VIJETHA CHOWDARY	PYROLYTIC KINETIC STUDIES OF BAMBUSA LEAVES AND IT'S FIBERS	1	370000
27	DR. MADHUSUDHANA RAO BANDLAMUDI	Computer-based analysis for design and schedule management for commercial buildings	1	450000

**VIGNAN'S**

Foundation for Science, Technology & Research

(Deemed to be University)

Est. 1983

28	DR. KALPANA KONERU	Assesing the role of organisational culture in determining the employee performance -empirical evidence from indian pharmaceutical sector	1	460000
29	DR. N G SREENIVAS JATAPROLU	Determining the eco friendly purchase intention:an empirical analysis in indian auto mobile industry	1	410000
30	DR. SAI MANIDEEP APPANA	Consumers perception on purchase of wellness products : an empirical analysis	1	450000
31	DR. KOLUSU NAGESWARARAO	Performance analysis of s&p bse bankex public sector banks	1	430000
Total				1,34,70,000

The above faculty members are requested to follow the purchase and travel norms while purchasing the material and undertaking travel. All the material should be taken on charge in the ledger and accounted for as per existing procedure. The sanctioned amount will be released in phase wise.

The above sanctioned amount is debitible to the budget available under Major head: Research & Development Expenses (400) and Minor head: Seed money for faculty (407) for the Financial Year 2022-23.

To:

Finance Officer, Individual concerned

Copy to

PA to the Vice Chancellor

Dean-Academics

Dean-R&D

Dean-IQAC (for info), Master file

REGISTRAR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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UTILIZATION CERTIFICATE

Certified that out of Rs. 480000/- sanctioned to DR. SARADA MUSALA by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Low Leakage, Differential Read Scheme CNTFET Based 9T SRAM Cells For Biomedical Applications**". An amount of Rs. 480000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


Name & Signature
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Certified that out of **Rs. 430000/-** sanctioned to **DR. PAMULAPATI VENKATAPPAREDDY** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**MATHEMATICAL MODELLING AND IMPLEMENTATION OF A TEMPERATURE SENSOR FOR DIGITAL TWIN APPLICATIONS**". An amount of **Rs. 430000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

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GUNTUR (DISTRICT), A.P. 522 213



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UTILIZATION CERTIFICATE

Certified that out of **Rs. 480000/-** sanctioned to **DR. RAVI SEKHAR YARRABOTHU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Enhancing 5G Massive MIMO Systems Using a Compressive Sensing-Based Approach.**". An amount of **Rs. 480000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

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UTILIZATION CERTIFICATE

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 360000/-** sanctioned to **MR. JOSHUA REGINALD PULLAGURA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Extending The Lifespan Of Wireless Sensor Networks Using Graph Theory Approaches**". An amount of **Rs. 360000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


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UTILIZATION CERTIFICATE

Certified that out of Rs. 450000/- sanctioned to DR. ANANDA RAO NELAPATI by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "Design and Simulation of Wideband Monopole Microstrip Antenna". An amount of Rs. 450000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

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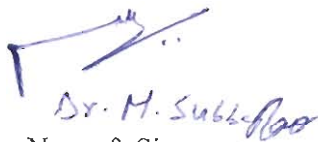
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 490000** /- sanctioned to **DR. MERCY ROSALINA KOTAPURI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Design, Analysis, and Fabrication of Solar Powered Bi-Cycle**". An amount of **Rs. 490000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


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Foundation for Science, Technology & Research
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UTILIZATION CERTIFICATE

Certified that out of Rs. 410000/- sanctioned to DR. BALA KRISHNA KETHINENI by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Automatic Power Factor Correction System**". An amount of Rs. 410000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


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UTILIZATION CERTIFICATE

Certified that out of **Rs. 430000/-** sanctioned to **DR. RACHANANJALI KUNAMNENI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Improvement of Voltage Profile and Stability of Transmission System Using VSC-HVDC**". An amount of **Rs. 430000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 390000/-** sanctioned to **DR. SRINIVASA RAO GORANTLA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Power Quality Improvement by using Active Filter**". An amount of **Rs. 390000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

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UTILIZATION CERTIFICATE

Certified that out of Rs. 380000/- sanctioned to **DR. SUVARNA RAJU LAM** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Performance investigation of micro hole textured cutting inserts on power consumption and its measuring methodology in turning process**". An amount of Rs. 380000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

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VIGNAN'S

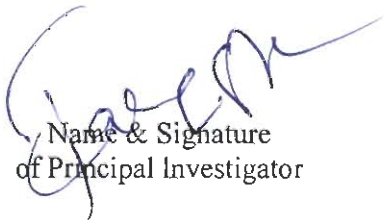
Foundation for Science, Technology & Research

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Certified that out of Rs. 380000/- sanctioned to Dr. SATISH DENDUKURI by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Design and development of WQI Calculator**". An amount of Rs. 380000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

Dr. D. Satish Chandra

Name & Signature
of Principal Investigator

[Signature]

Name & Signature
of Registrar

[Signature]

Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 390000/-** sanctioned to **MR. GOVARDHANA RAO CHILUKOTI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Development of cellulosic leaf fiber from the typha plant for technical textile application**". An amount of **Rs. 390000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 370000/-** sanctioned to **DR. SUMALATHA BODDU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Photocatalytic Degradation of Rhodamine B Dye using Green Silver Nanoparticles**". An amount of **Rs. 370000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

B. S. Latha
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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VADLAMUDI-522 213
TUNTUR (DISTRICT), A.P. INDIA



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Foundation for Science, Technology & Research

(Deemed to be University)

•Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of Rs. 370000/- sanctioned to **DR. PONNAM VIJETHA CHOWDARY** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**PYROLYTIC KINETIC STUDIES OF BAMBUSA LEAVES AND IT'S FIBERS**". An amount of Rs. 370000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

Dr. P. Vijetha
P. Vijetha
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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TUNTUR (DISTRICT), A.P., INDIA



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 450000/-** sanctioned to **DR. MADHUSUDHANA RAO BANDLAMUDI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Computer-based analysis for design and schedule management for commercial buildings**". An amount of **Rs. 450000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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VADLAMUDI-522 213
●UNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 460000/-** sanctioned to **DR. KALPANA KONERU** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Assessing the role of organisational culture in determining the employee performance-empirical evidence from indian pharmaceutical sector**". An amount of **Rs. 460000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

(**Dr. K. Kalpana**)

Name & Signature
of Registrar

Name & Signature
of Finance Officer


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Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of Rs. 410000/- sanctioned to DR. N G SREENIVAS JATAPROLU by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Determining the eco friendly purchase intention:an empirical analysis in indian auto mobile industry**". An amount of Rs. 410000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 450000/-** sanctioned to **DR. SAI MANIDEEP APPANA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Consumers perception on purchase of wellness products : an empirical analysis**". An amount of **Rs. 450000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



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Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 430000/-** sanctioned to **DR. KOLUSU NAGESWARARAO** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Performance analysis of s&p bse bankex public sector banks**". An amount of **Rs. 430000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
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VADLAMUDI-522 213
TUNTUR (DISTRICT), A.P. INDIA

**PROCEEDINGS OF THE REGISTRAR**

F.No.: VFSTR/RO/A4/30/2022-23/03

Dt: 05.08.2022

Sub: VFSTR (Deemed to be University) – R&D – Seed Grant proposals of faculty members – amount –sanctioned – orders – Issued.

Read: Committee report for the proposals of Seed Money of faculty members concerned dated 05.08.2022 as approved by the Vice-Chancellor.

* * *

Seed Grant to Faculty members**ORDER**

With reference to the above committee report, the list of proposals of faculty members for **Seed Money** for various projects is hereby approved by the Vice-Chancellor. A budget for Rs. 95,10,000/- (Rupees Nineteen Five Lakh Ten Thousand only) is hereby sanctioned to meet the expenditure for executing the projects. The details are as given below: -

S. No	Name of Principle Investigator	Title	Duration (Years)	Grant Amount (Rs.)
1	DR. SUDAM SEKHAR PANDA	Smart Healthcare System Management using IOT and machine learning techniques	1.5	460000
2	DR. SELVAM PARTHIBAN	Statistical Hypothesis Test Under Fuzzy Observations by Euler Centroid Method	1	470000
3	MR. SUBBA RAO KETHINENI	Nanoliquid Flow Through Stratified Medium Submerged with Bioconvection and Nonlinear Radiations.	1	480000
4	DR. VENKATA MANOJ KUMAR UPPULURI	Modelling of Pulsatile Flow of Fluids in a Deformable Porous tubes	1	490000
5	DR. NAGARAJU DEVUNURI	Scalable synthesis of biologically active novel ethyl 1-(4- alkyl-3-oxo-3,4-dihydro quinoxaline-2-yl)-1H-pyrazole-4- carboxylate derivatives	1.5	350000
6	DR. SHAIK ANWAR	Nitrostyrene Derived Allylic Amines as Synthons in Organocascade Reactions	2	340000
7	DR. VENKATESAN SRINIVASA DESIKAN	Theoretical studies of imidazolium based ionic liquids substituted with various cyclic compounds	2	440000
8	DR. SATYA VIJAYA KUMAR NUNE	Investigation of the influence of bridge ligands on the Electrocatalytic water splitting capacities of Prussian Blue Analogues (PBAs)	2	460000
9	DR. VENKATA MADHURI KALAPALA	Study on structural and optical properties of thermally evaporated MoO ₃ thin films	1.5	470000
10	DR. NITCHAL KIRAN JALADI	Multi-functional attributes of rare earth double doped SrBi ₂ Nb ₂ O ₉ ferroelectric system	1	490000

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(Deemed to be University)

Act no. 7 of 2004, Act 19/04

11	DR. SREENIVASULU MODEM	High density and thermal stability of vanadium doped glass material for optical bandpass filter	1	500000
12	DR. TIRUPATAIAH CHEREDDY	Influence of valence state of vanadium ions on structural and spectroscopic features of multi-component PbO–Al ₂ O ₃ –TeO ₂ –GeO ₂ –SiO ₂ glass ceramics	1.5	460000
13	Dr. IRSHAAN SYED	Development of Ohmic Heating Process Technology for Hydration, and Parboiling of Black rice paddy	2	470000
14	Ms. MADHURI BAMMIDI	Disinfestation of cashew nuts by infrared treatment	1.5	480000
15	Dr. MRINMOY ROY	Assessment of ultrasound and microwave assisted extraction techniques on physico-chemical and functional properties of sweet lime peel	1.5	410000
16	Dr. DEEPIKA KOHLI	Utilization of fruit pomace for preparation of biscuits	1.5	430000
17	DR. NANDURE NARAYANA RAO	A Numerical Approach to Estimate First Ply Failure of Fibre Metal Laminate	1	450000
18	DR. DANDAPPA S AYYANNA	Design and Development of Mechanical Weeder	1.5	470000
19	Ms. SHAMA SHAIK	Farming Distress Orientation among farmers in Guntur	1.5	490000
20	Dr. TALARI NARESH	Effect of biotic and abiotic factors on Insect fauna associated with Blackgram (<i>Vigna mungo</i> L. Hepper)	2	460000
21	Ms. PRIYANKA RAJ VANGURI	Breeding approaches for developing organic fertilizer responsive rice varieties towards sustainable agriculture	1	440000
Total				95,10,000

The above faculty members are requested to follow the purchase and travel norms while purchasing the material and undertaking travel. All the material should be taken on charge in the ledger and accounted for as per existing procedure. The sanctioned amount will be released in phase wise.

The above sanctioned amount is debit to the budget available under Major head: Research & Development Expenses (400) and Minor head: Seed money for faculty (407) for the Financial Year 2022-23.

To:
Finance Officer, Individual concerned

Copy to
PA to the Vice Chancellor
Dean-Academics
Dean-R&D
Dean-IQAC (for info)
Master file


REGISTRAR

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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GUNTUR (DISTRICT), A.P. INDIA





VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 460000/-** sanctioned to **DR. SUDAM SEKHAR PANDA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Smart Healthcare System Management using IOT and machine learning techniques**". An amount of **Rs. 460000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer


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VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



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Foundation for Science, Technology & Research
(Deemed to be University)
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UTILIZATION CERTIFICATE

Certified that out of Rs. 470000/- sanctioned to DR. SELVAM PARTHIBAN by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "Statistical Hypothesis Test Under Fuzzy Observations by Euler Centroid Method". An amount of Rs. 470000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


[Dr. S. PARTHIBAN]
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT) A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

•Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 480000/-** sanctioned to **MR. SUBBA RAO KETHINENI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Nanoliquid Flow Through Stratified Medium Submerged with Bioconvection and Nonlinear Radiations.**". An amount of **Rs. 480000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
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VADLAMUDI-522 213
●UNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

•Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 490000/-** sanctioned to **DR. VENKATA MANOJ KUMAR UPPULURI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Modelling of Pulsatile Flow of Fluids in a Deformable Porous tubes**". An amount of **Rs. 490000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.



Name & Signature
of Principal Investigator



Name & Signature
of Registrar



Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 350000/-** sanctioned to **DR. NAGARAJU DEVUNURI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Scalable synthesis of biologically active novel ethyl 1-(4- alkyl-3-oxo-3,4-dihydro quinoxaline-2-yl)-1H-pyrazole-4- carboxylate derivatives**". An amount of **Rs. 350000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer


VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of Rs. 340000/- sanctioned to DR. SHAIK ANWAR by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "Nitrostyrene Derived Allylic Amines as Synthons in Organocascade Reactions". An amount of Rs. 340000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

(Dr. SHAIK ANWAR)


Name & Signature
of Principal Investigator



Name & Signature
of Registrar



Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P., INDIA



VIGNAN'S

Foundation for Science, Technology & Research

(Deemed to be University)

•Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of Rs. 440000/- sanctioned to **DR. VENKATESAN SRINIVASA DESIKAN** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "Theoretical studies of imidazolium based ionic liquids substituted with various cyclic compounds". An amount of Rs. 440000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs. Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.


[Dr. Venkatesan Srinivasa Desikan]
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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VADLAMUDI-522 213
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VIGNAN'S

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(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of Rs. 460000/- sanctioned to **DR. SATYA VIJAYA KUMAR NUNE** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Investigation of the influence of bridge ligands on the Electrocatalytic water splitting capacities of Prussian Blue Analogues (PBAs)**". An amount of Rs. 460000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of **2022-23** as shown in the Statement of Expenditure annexed.



Name & Signature
of Principal Investigator



Name & Signature
of Registrar



Name & Signature
of Finance Officer

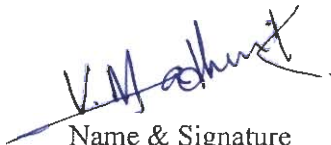
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GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S
Foundation for Science, Technology & Research
(Deemed to be University)
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 470000/-** sanctioned to **DR. VENKATA MADHURI KALAPALA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Study on structural and optical properties of thermally evaporated MoO₃ thin films**". An amount of **Rs. 470000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 490000** /- sanctioned to **DR. NITCHAL KIRAN JALADI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Multi-functional attributes of rare earth double doped SrBi₂Nb₂O₉ ferroelectric system**". An amount of **Rs. 490000** /- was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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GUNTUR (DISTRICT), A.P. INDIA



VIGNAN'S

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(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 500000/-** sanctioned to **DR. SREENIVASULU MODEM** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**High density and thermal stability of vanadium doped glass material for optical bandpass filter**". An amount of **Rs. 500000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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Foundation for Science, Technology & Research

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 460000 /-** sanctioned to **DR. TIRUPATAIAH CHEREDDY** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Influence of valence state of vanadium ions on structural and spectroscopic features of multi-component PbO–Al₂O₃–TeO₂–GeO₂–SiO₂ glass ceramics**". An amount of **Rs. 460000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 470000/-** sanctioned to **Dr. IRSHAAN SYED** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Development of Ohmic Heating Process Technology for Hydration, and Parboiling of Black rice paddy**". An amount of **Rs. 470000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Dr. Syed Irshaan
Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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•Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 480000/-** sanctioned to **Ms. MADHURI BAMMIDI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Disinfestation of cashew nuts by infrared treatment**". An amount of **Rs. 480000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

B. Madh

Name & Signature
of Principal Investigator

Ms. Madhuri Bammidi

hm

Name & Signature
of Registrar

[Signature]

Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
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UTILIZATION CERTIFICATE

Certified that out of **Rs. 410000/-** sanctioned to **Dr. MRINMOY ROY** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Assessment of ultrasound and microwave assisted extraction techniques on physico-chemical and functional properties of sweet lime peel**". An amount of **Rs. 410000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Dr. Mrinmoy Roy.
Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 430000/-** sanctioned to **Dr. DEEPIKA KOHLI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Utilization of fruit pomace for preparation of biscuits**". An amount of **Rs. 430000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Deepli

[Dr. Deepika Kohli]

Name & Signature
of Principal Investigator

[Signature]

Name & Signature
of Registrar

[Signature]

Name & Signature
of Finance Officer

VIGNAN'S FOUNDATION
FOR SCIENCE, TECHNOLOGY AND RESEARCH
(Deemed to be University)
VADLAMUDI-522 213
GUNTUR (DISTRICT), A.P. INDIA



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Foundation for Science, Technology & Research

(Deemed to be University)

-Estd. u/s 3 of UGC Act 1956

UTILIZATION CERTIFICATE

Certified that out of **Rs. 450000/-** sanctioned to **DR. NANDURE NARAYANA RAO** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**A Numerical Approach to Estimate First Ply Failure of Fibre Metal Laminate**". An amount of **Rs. 450000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

Dr. N. NARAYAN RAO
Associate Professor & Head,
Department of Applied Engineering
VFSTR (Deemed to be) University
Vadlamudi, Guntur. AP. - 522 213.

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UTILIZATION CERTIFICATE

Certified that out of Rs. 470000/- sanctioned to **DR. DANDAPPA S AYYANNA** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Design and Development of Mechanical Weeder**". An amount of Rs. 470000/- was utilized for the purpose for which it was sanctioned, leaving a balance of Rs Nil at the close of 2022-23 as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Department of Applied Engineering
VFSTR University
VADLAMUDI

Name & Signature
of Registrar

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Name & Signature
of Finance Officer



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UTILIZATION CERTIFICATE

Certified that out of **Rs. 490000/-** sanctioned to **Ms. SHAMA SHAIK** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Farming Distress Orientation among farmers in Guntur**". An amount of **Rs. 490000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.



Name & Signature
of Principal Investigator



Name & Signature
of Registrar



Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 460000/-** sanctioned to **Dr. TALARI NARESH** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Effect of biotic and abiotic factors on Insect fauna associated with Blackgram (Vigna mungo L. Hepper)**". An amount of **Rs. 460000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.

Name & Signature
of Principal Investigator

Name & Signature
of Registrar

Name & Signature
of Finance Officer

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UTILIZATION CERTIFICATE

Certified that out of **Rs. 440000/-** sanctioned to **Ms. PRIYANKA RAJ VANGURI** by Research and Development of VFSTR (Deemed to be University) towards financial assistance for the seed money project titled "**Breeding approaches for developing organic fertilizer responsive rice varieties towards sustainable agriculture**". An amount of **Rs. 440000/-** was utilized for the purpose for which it was sanctioned, leaving a balance of **Rs. Nil** at the close of **2022-23** as shown in the Statement of Expenditure annexed.


Name & Signature
of Principal Investigator


Name & Signature
of Registrar


Name & Signature
of Finance Officer

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