



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956. A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr. A. Saravanan  
Associate Professor  
Department of Computing - Software Systems  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Real Time Exam Supervision System using Deep Learning Techniques" the Management of our Institution is happy to sanction an amount of Rs. 1,20,000/- (Rupees One Lakh Twenty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| HIKVISION8/10 channel, DVR Camera, Electronic components, Facial recognition software, Server with low cost GPU. | 1,20,000   |
| Total  | 1,20,000   |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-).
2. The duration of the project is one year from 10<sup>th</sup> August 2023 to 9<sup>th</sup> August 2024.
3. The following document should be submitted within two months of the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables.
  - c. At least one Published / Accepted copy of the research paper as outcome of your research project.

*S. Rajiv*  
CORRESPONDENT



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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

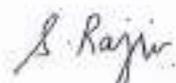
Dr.D.Sudha Devi, Associate Professor  
Dr.M.Sujithra, Assistant Professor  
Dr.P.Velvādivu, Assistant Professor  
Department of Computing - Data Science  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Federated Learning for Effective Mental Stress Management of Working Women in the Educational Institutions" the Management of our Institution is happy to sanction an amount of Rs.1,20,000/- (Rupees One Lakh Twenty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item  | Cost (INR) |
|---|------------|
| Wearable Device(Sensors), Cloud storage - Real time data handling and security, Electronic components | 1,20,000   |
| Total   | 1,20,000   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.P.Aruna, Assistant Professor  
Dr.N.Priya, Assistant Professor  
Department of Computing - Software Systems  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Predicting Academic Success of a Student in Educational Institution" the Management of our Institution is happy to sanction an amount of Rs. 1,20,000/- (Rupees One Lakh Twenty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| Amazon Cloud Service (S3 Bucket, Amazon sage maker, EC2), WDBMUT004OJWT-BESN 4TB Personal cloud, WiFi Modem. | 1,20,000   |
| Total  | 1,20,000   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.D.Kavitha

Assistant Professor

Department of Computing - Artificial Intelligence and Machine Learning

Coimbatore Institute of Technology.

With reference to your research proposal entitled "Finger-tip Haptics for Braille and Tactile Feature Generation Using Electropneumatic Interface as a Wearable Device for Visually Impaired Students" the Management of our Institution is happy to sanction an amount of Rs. 1,50,000/- (Rupees One Lakh Fifty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| 3D Printer, Soldering station, Solidedge 3D modelling software, Dremel Rotary toolkit, Arduino boards. | 1,50,000   |
| Total  | 1,50,000   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.A.G.Sudha, Associate Professor  
Dr.S.Thilaga, Assistant Professor  
Dr.J.Deepa, Assistant Professor  
Department of Management Studies  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Learning and Development: A Blended Learning Through gamification - A Tool to Improve Sustainable Branding" the Management of our Institution is happy to sanction an amount of Rs. 50,000/- (Rupees Fifty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item                                 | Cost (INR) |
|--------------------------------------|------------|
| Software, Physical games requirement | 50,000     |
| Total                                | 50,000 ✓   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.K.V.Hemalatha  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Utilisation of Waste-derived Activated Carbon as Electrode Material for Supercapacitor Applications" the Management of our Institution is happy to sanction an amount of Rs. 75,000/- (Rupees Seventy Five Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item                        | Cost (INR) |
|-----------------------------|------------|
| Ultra sound probe sonicator | 75000      |
| Total                       | 75000 /    |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.B.Gayathri  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Development of Nanohydroxyapatite from Edible Waste for Potential Biomedical Application" the Management of our Institution is happy to sanction an amount of Rs. 1,50,000/- (Rupees One Lakh Fifty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item                         | Cost (INR) |
|------------------------------|------------|
| Rotary Evaporator, Chemicals | 1,50,000   |
| Total                        | 1,50,000 / |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.B.Uma Maheswari /  
Assistant Professor  
Department of Chemical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Bioinspired Superhydrophobic Mesoporous Hybrid Aerogels/Membranes by Coordination of Biochar for Effective Oil Adsorption and Nano-emulsion Separation" the Management of our Institution is happy to sanction an amount of Rs. 75,000/- (Rupees Seventy Five Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item                   | Cost (INR) |
|------------------------|------------|
| Glass wares, Chemicals | 75,000     |
| Total                  | 75,000 /   |

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Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.R.Azarudeen  
Assistant Professor  
Department of Chemical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Fabrication of Gold Nanoparticles Incorporated Nanofiber Scaffolds: A Promising Regenerative Approach for Bone Tissue Engineering Applications" the Management of our Institution is happy to sanction an amount of Rs. 1,00,000/- (Rupees One Lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item                      | Cost (INR) |
|---------------------------|------------|
| Universal Testing Machine | 1,00,000   |
| Total                     | 1,00,000   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.M.Sangeetha  
Associate Professor  
Department of Information Technology  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "AD-SP Device for Visually Impaired" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs. 1,00,000/- (Rupees One lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item  | Cost (INR) |
|---|------------|
| ESP32 Server, ESP32 Node MCU, SYN6288 Speech synthesis module, TCS3200 Color sensor module, ARDUINO UNO IDUINO Super starter kit, Multifunctional 4WD Robot -UNOR3, Folding blind walking stick | 1,00,000   |
| Total   | 1,00,000/  |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.T.Balakumaran, Assistant Professor  
Ms.T.Yathavai, Assistant Professor  
Ms. M.Abitha Thangam, Assistant Professor  
Department of Electronics and Communication Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Analysis and Reduction of Electromagnetic Radiation from Wi-Fi routers/5G Smart Phones" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs. 34,000/- (Rupees Thirty Four Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| FR4 Substrate, Antenna fabrication, 64 GB RAM, EM Radiation tester, Graphene sheet | 34,000     |
| Total  | 34,000     |

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Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.I.S.Akila, Associate Professor  
Ms.D.Diana Josephine, Assistant Professor  
Department of Electronics and Communication Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Design and Testing of RF Class F Power Amplifier with Optimal Power Added Efficiency and Gain for eMBB applications in 5G" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.90,000/- (Rupees Ninety Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item  | Cost (INR) |
|---|------------|
| RF Antenna Design Machine Package -Machine with controller, PCB cabinet with hand held remote, copper clads, endoscope camera, silver oxide gel, DE soldering station | 90,000     |
| Total   | 90,000 /-  |

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Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.R.Rajalakshmi  
Assistant Professor  
Department of Electrical and Electronics Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Drone with Robotic Arm for the Maintenance of Wind Blades in Wind Turbines" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.80,000/- (Rupees Eighty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item  | Cost (INR) |
|---|------------|
| 220KV BLDC motor, Electronic speed controller, Pix Hawk kit, RaspberryP1, PI Camera, Servo motors, laser cut parts, Battery | 80,000     |
| Total   | 80,000 /   |

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.J.Devishree, Professor  
Ms.A.Priyadharshini, Assistant Professor  
Department of Electrical and Electronics Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Design and Development of Improved Power Quality Convertors" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| ZedBoard(Zynq 7000), Fluke Amprobe Ler55a, Fluke 179 Digital Multimeter, MOSFET, IGBT. | 1,00,000   |
| Total  | 1,00,000   |

For Information:

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PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

✓ Mr.M.Karthikeyan  
Assistant Professor  
Department of Mechanical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Feasibility of Inconel-Aluminium Dissimilar Welding by Modified MIG and Friction Stir Welding Processes" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| S. No. | Item   | Cost (INR) |
|--------|--|------------|
| 1      | Temperature sensor 800° C(non-contact type )   | 25000      |
| 2      | Aluminium alloy AA6061 T6, Inconel 718, Er4043 MIG Welding wire, Tungsten carbide (FSW tool), FSW tool holder, Alumina powder, Cold setting powder | 75000      |
| Total  |  | 1,00,000   |

For Information:

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2. The duration of the project is one year from 10<sup>th</sup> August 2023 to 9<sup>th</sup> August 2024.
3. The following document should be submitted within two months of the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables.
  - c. At least one Published / Accepted copy of the research paper as outcome of your research project.

*S. Rajiv*  
CORRESPONDENT



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956, A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

Dr.C.Balaji Ayyanar  
Assistant Professor  
Department of Mechanical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Characterization and Evaluation of In-vitro Wound Healing of the Plant Extracts Loaded Biomembrane" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item  | Cost (INR) |
|---|------------|
| Magnetic Stirrer, Polymers, In-vivo wound healing, In-vitro wound healing assay scratch | 1,00,000   |
| Total   | 1,00,000 ✓ |

For Information:

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CORRESPONDENT

Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To

- ✓ Dr.M.P.Muthuraj, Associate Professor, Department of Civil Engineering  
Dr.S.Brindha, Assistant Professor, Department of Civil Engineering  
Dr.K.Nithyapriya, Assistant Professor, Department of Civil Engineering  
Dr.K.V.Hemalatha, Assistant Professor, Department of Chemistry  
Mr.D.Arul, Assistant Professor, Department of Civil Engineering  
Mrs.M.Hannah Angelin, Assistant Professor, Department of Civil Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "A Pilot Study on Non - Shrinkable Chemical Grouting Material for Fractured Structure" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| S. No. | Item  | Cost (INR) |
|--------|---|------------|
| 1.     | Climate Chamber/ Freezing and Thawing Chamber | 80,000     |
| 2.     | Electric Epoxy Grouting Pump                  | 20,000     |
|        | Total   | 1,00,000 ✓ |

For Information:

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Thiru S. RAJIV RANGASAMI M.Sc., MBA (USA)

PRINCIPAL

Dr. A. RAJESWARI M.E., Ph.D.,

07.08.2023

To :

Dr. V.G.Kalpana  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology

With reference to your research proposal entitled "Influence of Geopolymer Ash Fine Aggregate as a River Sand Replacement Material on the Mechanical and Durability Properties of Cement Mortar and Concrete" seeking seed money, the Management of our Institution is happy to sanction an amount of Rs.1,50,000/- (Rupees One Lakh Fifty Thousand only). The details of the items to be procured as per your proposal are given below and the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors and should be carried out as per norms.

| Item   | Cost (INR) |
|--|------------|
| Pan mixture machine ; 50kg capacity and Gyroscreen machine with 4.75 mm and 2.36 mm Sieves | 1,50,000   |
| Total  | 1,50,000 / |

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# COIMBATORE INSTITUTE OF TECHNOLOGY

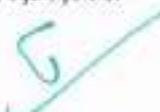
(Government Aided Autonomous Institution)

## SANCTIONED SEED MONEY PROPOSALS

| S. No. | Name and Designation   | Title of the Proposal  | Sanctioned Amount (Rs.) |
|--------|--|--|-------------------------|
| 1.     | Dr.R.Saraswathi<br>Professor   | The Treatment with Optimization of Printing Process Generated Waste Water from a Newly Developed Sono - assisted Electrochemical Reactor.  | 1,00000/-               |
| 2.     | Mr.K.Karthik<br>Assistant Professor  | Experimental Investigation of Dissimilar Metal Weld Joints using GTAW Process  | 1,00000/-               |
| 3.     | Dr.S.Geetha<br>Associate Professor   | Object Detection and Tracking using Error Tolerant Hardware.   | 1,00000/-               |
| 4.     | Dr.B.Premalatha<br>Assistant Professor<br>Ms.Cynthia Joseph<br>Assistant Professor | Compressive Sensing Based Real Time Multimodal Emotion Recognition System  | 1,00000/-               |
| 5.     | Dr.M.Mohanapriya<br>Associate Professor  | Smart Chair for Correct Sitting Posture using IOT  | 1,00000/-               |
| 6.     | Dr.E.Arul<br>Assistant Professor   | DIGI Security for ICT Enabled System   | 1,00000/-               |
| 7.     | Dr.P.Sivakumar<br>Assistant Professor  | Recovery of Precious Metals from Electronic Waste by a Porous Porphyrin Polymer.   | 1,00000/-               |
| 8.     | Dr..B.Uma<br>Maheswari<br>Assistant Professor                                      | Green Synthesis of Hybrid Core Shell ZnO Nanocomposite using Waste Aquatic Weeds as a Bioreductant for Phot Degradation of Organic Waste Pollutant and Antibacterial Performance in Waste Water Treatment. | 75000/-                 |
| 9.     | Dr.P.Balraju<br>Assistant Professor  | Investigation of Coconut Shell Based Activated Carbon for Water Purification.  | 50000/-                 |
| 10.    | Dr.P.Rupa<br>Assistant Professor   | Heavy Metal Assessment in Soil and Plants by Early Response of Plants in Abatement of Coimbatore City Air Pollution around Singanallur Lake for Green Belt Development.                                    | 50000/-                 |
| 11.    | Dr.R.Mahehsvari<br>Assistant Professor   | Prevalence of Risk, Treatment Seeking Behaviour and Cost Incurred for Gynaecological Cancer Patients in Coimbatore District Tamilnadu  | 75000/-                 |
| 12.    | Mr.C.Stanly Felix<br>Assistant Professor   | Design and Development of IoT Based Energy Efficient Economically Viable Chicken Egg Incubator Model and its Performance Analysis  | 1,00000/-               |

31-3-2024

TOTAL Rs. 10,50,000/-

  
PRINCIPAL

31.3.2024



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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc.,(USA)

PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,  
FIE, FIE, FPE, FORSI, LM(ISSE)

31.03.2021

To

Dr. R. Saraswathi

Professor

Department of Civil Engineering

Coimbatore Institute of Technology.

With reference to your research proposal entitled "The Treatment with Optimization of Printing Process Generated Waste Water from a Newly Developed Sono - assisted Electrochemical Reactor" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                  | Cost (INR) |
|-------|-----------------------|------------|
| 1.    | Photometer            | 58,000     |
| 2.    | Ultrasonic water bath | 30,000     |
| 3.    | ORP Meter             | 12,000     |
| Total |                       | 1,00,000   |

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PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIE, FIPE, FORSI, LWISSE

31.03.2021

To

Mr. K. Karthik

Assistant Professor

Department of Mechanical Engineering

Coimbatore Institute of Technology.

With reference to your research proposal entitled "Experimental Investigation of Dissimilar Metal Weld Joints using GTAW Process" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item            | Cost (INR) |
|-------|-----------------|------------|
| 1.    | Material Cost   | 55,000     |
| 2.    | Machining Cost  | 20,000     |
| 3.    | Filler Rod      | 5,000      |
| 4.    | Testing Charges | 20,000     |
| Total |                 | 1,00,000   |

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PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIEE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. S. Geetha

Associate Professor

Department of Electrical and Electronics Engineering

Coimbatore Institute of Technology.

With reference to your research proposal entitled "Object Detection and Tracking using Error Tolerant Hardware" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                                   | Cost (INR) |
|-------|--|------------|
| 1.    | FMC HDMI CAM board                     | 40,000     |
| 2.    | Python 1300C on a Semiconductor camera | 60,000     |
| Total |  | 1,00,000   |

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Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIEE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. B. Premalatha

Assistant Professor

Ms.Cynthia Joseph

Assistant Professor

Department of Electronics and Communication Engineering

Coimbatore Institute of Technology.

With reference to your research proposal entitled "Compressive Sensing Based Real Time Multimodal Emotion Recognition System" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                  | Cost (INR) |
|-------|-----------------------|------------|
| 1.    | ECG, EMG, EEG Sensors | 1,00,000   |
|       | Total                 | 1,00,000   |

For Information:

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PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FE, FIE, FIPE, FORSI, LW(SSE)

31.03.2021

To

Dr. M. Mohanapriya  
Associate Professor  
Department of Computer Science and Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Smart Chair for Correct Sitting Posture using IOT" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item   | Cost (INR) |
|-------|--|------------|
| 1.    | Raspberry kit  | 8,000      |
| 2.    | Sensors  | 22,000     |
| 3.    | Desk Chairs  | 17,000     |
| 4.    | Operational cost(Custom designing of sensors with kit) | 33,000     |
| 5.    | Batteries Wires etc.                                   | 20,000     |
| Total |  | 1,00,000   |

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Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. E. Arul

Assistant Professor

Department of Information Technology

Coimbatore Institute of Technology.

With reference to your research proposal entitled "DIGI Security for ICT Enabled System" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                              | Cost (INR) |
|-------|-----------------------------------|------------|
| 1.    | Dell Power Edge T440 Server       | 70,000     |
| 2.    | Server HPDL385 C6 and Accessories | 30,000     |
| Total |                                   | 1,00,000   |

For Information:

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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc.(USA)

PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIE, FIPE, FORSI, LM(SSSE)

31.03.2021

To

Dr. P. Sivakumar  
Assistant Professor  
Department of Chemical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Recovery of Precious Metals from Electronic Waste by a Porous Porphyrin Polymer" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item   | Cost (INR) |
|-------|--|------------|
| 1.    | Consumables - glass ware,<br>Nitrogen cylinder and Chemicals | 70,000     |
| 2.    | Cost for sample analysis                                     | 30,000     |
|       | Total  | 1,00,000   |

For Information:

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Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIEE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. B. Uma Maheswari  
Assistant Professor  
Department of Chemical Engineering  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Green Synthesis of Hybrid Core Shell ZnO Nanocomposite using Waste Aquatic Weeds as a Bio reductant for Phot Degradation of Organic Waste Pollutant and Antibacterial Performance in Waste Water Treatment" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.75,000/- (Rupees Seventy-Five Thousand only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item  | Cost (INR) |
|-------|---|------------|
| 1.    | Magnetic stirrer with Hot Plate, Soxhlet apparatus and Centrifuge | 50,000     |
| 2.    | Glass ware and Consumables  | 25,000     |
|       | Total   | 75,000     |

For Information:

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Dr. V. SELLADURAI M.E., Ph.D.,

FIIE, FIIE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. P. Balraju  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Investigation of Coconut Shell Based Activated Carbon for Water Purification" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.50,000/- (Rupees Fifty Thousand only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                                    | Cost (INR) |
|-------|---|------------|
| 1.    | Glass wares, Chemicals and Consumables. | 50,000     |
|       | Total                                   | 50,000     |

For Information:

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31.03.2021

To

Dr. P. Rupa  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Heavy Metal Assessment in Soil and Plants by Early Response of Plants in Abatement of Coimbatore City Air Pollution around Singanallur Lake for Green Belt Development" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.50,000/- (Rupees Fifty Thousand only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                                    | Cost (INR) |
|-------|---|------------|
| 1.    | Glass wares, Chemicals and Consumables, | 50,000     |
|       | Total                                   | 50,000     |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-).
2. The duration of the project is one year from 1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022.
3. The following document should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables.
  - c. At least one Published / Submitted copy of the research paper as outcome of your research project.



PRINCIPAL



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

(Affiliated to Anna University, Chennai & Approved by AICTE, New Delhi)

Established in 1956, A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc.,(USA)

PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIE, FIPE, FORSI, LM(SSE)

31.03.2021

To

Dr. R. Maheshvari  
Assistant Professor  
Department of Humanities  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Prevalence of Risk, Treatment Seeking Behaviour and Cost Incurred for Gynaecological Cancer Patients in Coimbatore District, Tamilnadu" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.75,000/- (Rupees Seventy-Five Thousand only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item  | Cost (INR) |
|-------|---|------------|
| 1.    | Source material and Field Work (Questionnaire etc.) | 40,000     |
| 2.    | Software  | 20,000     |
| 3.    | Data Processing and Modelling                       | 15,000     |
| Total |   | 75,000     |

For Information:

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3. The following document should be submitted after the completion of the project:
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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc.,(USA)

PRINCIPAL

Dr. V. SELLADURAI M.E., Ph.D.,

FIE, FIE, FPE, FORSI, LM[ISSE]

31.03.2021

To

Dr. C. Stanly Felix  
Assistant Professor  
Department of Computing  
Coimbatore Institute of Technology.

With reference to your research proposal entitled "Design and Development of IoT Based Energy Efficient Economically Viable Chicken Egg Incubator Model and its Performance Analysis" submitted towards seed money, the Management of our Institution is happy to sanction an amount of Rs.1,00,000/- (Rupees One Lakh only). The details of the items to be procured are given below and for the purchase of the equipment the procurement process should be initiated after receiving at least a minimum of three quotations from the vendors.

| S.No. | Item                                       | Cost (INR) |
|-------|--|------------|
| 1.    | Sensors, Target board and Mechanical setup | 50,000     |
| 2.    | Thermal image camera                       | 50,000     |
|       | Total                                      | 1,00,000   |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-).
2. The duration of the project is one year from 1<sup>st</sup> April 2021 to 31<sup>st</sup> March 2022.
3. The following document should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables.
  - c. At least one Published / Submitted copy of the research paper as outcome of your research project.



PRINCIPAL



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)

(Sub Component - 1.3 - Twinning Arrangements)

**NPIU**

National Project Implementation Unit

Correspondent  
**Dr.S.R.K.Prasad**  
D.Sc.,(USA)

Principal  
**Dr.V.Selladurai M.E.,Ph.D.,**  
FIE, FIEE, Sr.M (ORSI), LM(SSJ)

**Dr.V.Manikandan**  
TEQIP Coordinator

Proc. No. CIT/TEQIP-III/Start-up/2020/No.09

Dt: 07.12.2020

**Sub:** Approval of startup proposal for financial assistance under TEQIP-III - reg

**Ref:** (i) TEQIP-III - Permissible and Non-permissible Expenditure

Clause 2.1 - Improve student learning (b) Seed money for start-up

(ii) CIT/TEQIP-III/Start-up/2020/No.01 Dt: 03.11.2020

(iii) Start-up proposals Evaluation Committee Meeting Dt: 04<sup>th</sup> Dec, 2020

**Dr.K.Ganesamoorthy**  
Nodal Officer -  
Academic

I am very glad to inform you that, the following Start-up proposal has been approved by the Evaluation Committee for financial assistance under the auspices of TEQIP-III.

**Dr.T.Balakumaran**  
Nodal Officer -  
Finance

| Department           | Name of the Startup   | Name of the Proposer(s)                | Amount Sanctioned |
|----------------------|---|--|-------------------|
| Chemical Engineering | Catalytic Pyrolysis of Plastic Waste for the Production of Liquid Fuels | Dr.A.Gnanaprakasam Assistant Professor | Rs.15.000         |

**Dr.V.Nagarajan**  
Nodal Officer -  
Procurement

As per TEQIP norms, only reimbursement claim is allowed. Hence, it is hereby informed to procure the following approved items not exceeding the sanctioned budget and submit the documents for reimbursement claim.

**Dr.V.G.Srisanthi**  
Nodal Officer -  
Equity Assurance  
Plan

### Approved items

- Chemicals
- Modification of Equipment

**Dr.S.Shanmugam**  
Nodal Officer -  
Civil Works

The items procured other than the approved item will be disallowed as per TEQIP norms.

### Documents required for Reimbursement Claim:

- Certificate as per the following format forwarded by the HoD  
"I am personally satisfied that these goods purchased are of the requisite quality and specification and have been purchased from a reliable supplier at a reasonable price."
- Computerized Bills with GST
- Handwritten bills are not allowed
- Due date - within 15 days from the date of the proceedings

Contact Address:  
Civil Aerodrome (PO)  
Coimbatore - 641 014  
Tamilnadu, India  
Tel : +91 - 422 - 2574071/72  
Fax : +91 - 422 - 2573187  
E-Mail :  
[teqipcit@gmail.com](mailto:teqipcit@gmail.com)  
[teqip@cit.edu.in](mailto:teqip@cit.edu.in)  
Web: [www.cit.edu.in](http://www.cit.edu.in)

### Copy To:

- Individual
  - HoD- Concerned
  - Guard File
- } E-Mail only



**Dr. V. SELLADURAI** M.E., Ph.D.,  
FIE, FIEE, FIPE, FORSI  
PRINCIPAL  
COIMBATORE INSTITUTE OF TECHNOLOGY  
COIMBATORE - 641 014 INDIA.

PRINCIPAL



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)

(Sub Component - 1.3 - Twinning Arrangements)

**NPIU**

National Project Implementation Unit

Correspondent  
**Dr.S.R.K.Prasad**  
D.Sc.,(USA)

Principal  
**Dr.V.Selladurai M.E.,Ph.D.,**  
FIE, FIEE, Sr.M (ORSI), LM(SS1)

**Dr.V.Manikandan**  
TEQIP Coordinator

Proc. No. CIT/TEQIP-III/Start-up/2020/No.10

Dt: 07.12.2020

**Sub:** Approval of startup proposal for financial assistance under TEQIP-III - reg

**Ref:** (i) TEQIP-III - Permissible and Non-permissible Expenditure

Clause 2.1 - Improve student learning (b) Seed money for start-up

(ii) CIT/TEQIP-III/Start-up/2020/No.01 Dt: 03.11.2020

(iii) Start-up proposals Evaluation Committee Meeting Dt: 04<sup>th</sup> Dec, 2020

I am very glad to inform you that, the following Start-up proposal has been approved by the Evaluation Committee for financial assistance under the auspices of TEQIP-III.

| Department             | Name of the Startup | Name of the Proposer(s)                 | Amount Sanctioned |
|------------------------|---------------------|---|-------------------|
| Information Technology | MediFood            | Dr.N.Anitha devi<br>Assistant Professor | Rs.25,000         |

As per TEQIP norms, only reimbursement claim is allowed. Hence, it is hereby informed to procure the following approved items not exceeding the sanctioned budget and submit the documents for reimbursement claim.

### Approved items

- Incorporation Certificate & registration
- Web development
- App development
- Development of First cloud kitchen
- Funding for Amazon web services

The items procured other than the approved item will be disallowed as per TEQIP norms.

### Documents required for Reimbursement Claim:

- Certificate as per the following format forwarded by the HoD  
"I am personally satisfied that these goods purchased are of the requisite quality and specification and have been purchased from a reliable supplier at a reasonable price."
- Computerized Bills with GST
- Handwritten bills are not allowed
- Due date - within 15 days from the date of the proceedings

Contact Address:  
Civil Aerodrome (PO)  
Coimbatore - 641 014  
Tamilnadu, India  
Tel : +91 - 422 - 2574071/72  
Fax : +91 - 422 - 2573187  
E-Mail :  
[teqipcit@gmail.com](mailto:teqipcit@gmail.com)  
[teqip@cit.edu.in](mailto:teqip@cit.edu.in)  
Web: [www.cit.edu.in](http://www.cit.edu.in)

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**PRINCIPAL**

**Dr. V. SELLADURAI** M.E., Ph.D.,  
FIE, FIEE, FIPE, FORSI  
PRINCIPAL  
COIMBATORE INSTITUTE OF TECHNOLOGY  
COIMBATORE - 641 014 INDIA



# COIMBATORE INSTITUTE OF TECHNOLOGY

(Government Aided Autonomous Institution)

TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (PHASE - III)

(Sub Component - I.3 - Twinning Arrangements)

**NPIU**

National Project Implementation Cell

Correspondent  
Dr.S.R.K.Prasad  
D.Sc.,(USA)

Principal  
Dr.V.Selladurai M.E.,Ph.D.,  
FIE, FIEE, Sr.M (ORSI), LM(SSi)

Dr.V.Manikandan  
TEQIP Coordinator

Proc. No. CIT/TEQIP-III/Start-up/2020/No.08

Dt: 07.12.2020

**Sub:** Approval of startup proposal for financial assistance under TEQIP-III - reg

**Ref:** (i) TEQIP-III - Permissible and Non-permissible Expenditure

Clause 2.1 - Improve student learning (b) Seed money for start-up

(ii) CIT/TEQIP-III/Start-up/2020/No.01 Dt: 03.11.2020

(iii) Start-up proposals Evaluation Committee Meeting Dt: 04<sup>th</sup> Dec. 2020

I am very glad to inform you that, the following Start-up proposal has been approved by the Evaluation Committee for financial assistance under the auspices of TEQIP-III.

| Department | Name of the Startup  | Name of the Proposer(s)                | Amount Sanctioned |
|------------|--|--|-------------------|
| EEE        | Design and Development of thermoelectric generator system from exhaustable gas of vehicles | Dr.S.Nandakumar<br>Assistant professor | Rs.15.000         |

As per TEQIP norms, only reimbursement claim is allowed. Hence, it is hereby informed to procure the following approved items not exceeding the sanctioned budget and submit the documents for reimbursement claim.

### Approved items

- Peltier Cell Module
- Belt design - setup
- DC-DC Converter design includes inductor, capacitor, protection circuit and switching device
- PWM controller and Drive unit for DC-DC Converter
- IoT Module
- Sensors (Voltage and Temperature)
- Lithium Polymer Battery
- Wiring system and other common apparatus

The items procured other than the approved item will be disallowed as per TEQIP norms.

### Documents required for Reimbursement Claim:

- Certificate as per the following format forwarded by the HoD  
"I am personally satisfied that these goods purchased are of the requisite quality and specification and have been purchased from a reliable supplier at a reasonable price."
- Computerized Bills with GST
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- Due date - within 15 days from the date of the proceedings

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E-Mail :  
teqipcit@gmail.com  
teqip@cit.edu.in  
Web: www.cit.edu.in

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  - HoD- Concerned
  - Guard File
- } E-Mail only



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Dr. V. SELLADURAI M.E., Ph.D.,  
FIE, FIEE, FIPE, FORSI  
PRINCIPAL  
COIMBATORE INSTITUTE OF TECHNOLOGY  
COIMBATORE - 641 014 INDIA

**COIMBATORE INSTITUTE OF TECHNOLOGY**  
(Government Aided Autonomous Institution)

**Grant of Seed Money  
Sanctioned Proposals**

The following proposals have been selected for the grant of seed money to carry out research work.

| S. No. | Name and Designation  | Department                                | Title of the Proposal   | Sanctioned Amount (Rs.) |
|--------|---|---|---|-------------------------|
| 1.     | Mr.M.Gowri Shankar<br>Assistant Professor   | Civil Engineering                         | Development of Sustainable Building Blocks in Housing Construction for Low Income People  | 125000/-                |
| 2.     | Dr.V.G.Kalpna<br>Assistant Professor  | Civil Engineering                         | Parametric Study on Thermal Efficiency and Seismic Response of Composite Insulated Precast Concrete Sandwich Wall Panel Buildings           | 125000/-                |
| 3.     | Mr.S.Thirumurugan<br>Assistant Professor  | Mechanical Engineering                    | Performance Evaluation of Ionano Fluids(Infs) as Absorbent in Vapour Absorption Refrigeration Systems                                       | 93600/-                 |
| 4.     | Dr.S.Suja<br>Associate Professor  | Electrical and Electronics Engineering    | Design and Analysis of Cost Effective Electric Vehicle Charging Station   | 125000/-                |
| 5.     | Dr.M.Poongothai<br>Associate Professor,<br>Ms.S.Dhanalakshmi<br>Assistant Professor | Electronics and Communication Engineering | IoT Based Indoor Air Quality (IAQ) Monitoring and Controlling System for CIT Campus   | 125000/-                |
| 6.     | Dr.P.Suresh<br>Assistant Professor  | Physics                                   | Synthesis and Characterization of Heterostructured Powder Catalysts for Photocatalytic Application  | 125000/-                |
| 7.     | Dr.C.P.Yoganand<br>Assistant Professor  | Physics                                   | Fabrication of Nano-Carbons Based Medical Cotton Fabrics by Plasma Impregnation Technique for Wound Healing and Anti-Cancerous Applications | 125000/-                |
| 8.     | Dr.B.Gayathri<br>Assistant Professor  | Chemistry                                 | A Novel Bone Mimetic Scaffold Composed of Polylactic Acid Hydroxyapatite Zeolite Biomaterial – Finding the Route of Mechanism               | 125000/-                |

7-8-2019



PRINCIPAL

7-8-2019  
PRINCIPAL

COIMBATORE INSTITUTE OF TECHNOLOGY  
COIMBATORE - 541 014, -



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CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Dr. S.R.K. PRASAD (USA)

PRINCIPAL

Dr. V. SELLADURAI (Ph.D.)

(I.E., F.I.E., F.P.E., F.O.S.I., M.S.S.E.)

7.8.2019

To

Mr.M.Gowri Shankar  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.  
Ref. 1: Call for proposal dated 12.4.2019  
Ref. 2: Your proposal dated 15.5.2019

I am pleased to inform that, your research proposal titled “Development of Sustainable Building Blocks in Housing Construction for Low Income People” has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item                          | Cost (Rs) |
|-------|-------------------------------|-----------|
| 1     | Hydraulic Compression Machine | 120000    |
| 2     | Fabrication of casting mould  | 5000      |
|       | Total                         | 125000    |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-).
2. The duration of the project is one year from 19<sup>th</sup> August 2019 to 18<sup>th</sup> August 2020.
3. The following documents should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables
  - c. At least one Published / Submitted copy of the research paper as outcome of your research project.



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CORRESPONDENT

Dr. S.R.K. PRASAD

PRINCIPAL

Dr. V. SELLADURAI

PIE, FIE, FIPE, FORSLM(SSE)

7.8.2019

To

Dr. V.G. Kalpana  
Assistant Professor  
Department of Civil Engineering  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 23.4.2019

I am pleased to inform that, your research proposal titled “Parametric Study on Thermal Efficiency and Seismic Response of Composite Insulated Precast Concrete Sandwich Wall Panel Buildings” has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item  | Cost (Rs) |
|-------|---|-----------|
| 1     | Data Logging Channel expansion Modules, Thermal Sensors and Vibration Sensors | 120000    |
| 2     | Shear Connectors  | 5000      |
|       | Total   | 125000    |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-)
2. The duration of the project is one year from 19<sup>th</sup> August 2019 to 18<sup>th</sup> August 2020.
3. The following documents should be submitted after the completion of the project:
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CORRESPONDENT

Dr. S.R.K. PRASAD

PRINCIPAL

Dr. V. SELLADURAI

FILE, FILE, FILE, FORS, LMISSE

7.8.2019

To

Mr.S.Thirumurugan  
Assistant Professor  
Department of Mechanical Engineering  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 23.4.2019

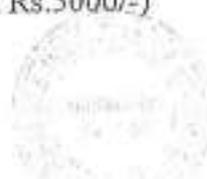
I am pleased to inform that, your research proposal titled "Performance Evaluation of Ionano (INFs) Fluids as Absorbent in Vapour Absorption Refrigeration Systems" has been selected for the award of seed money of Rs.93600/- (Rupees Ninety Three Thousand and Six Hundred only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item   | Cost (Rs) |
|-------|--|-----------|
| 1     | Generator, Absorber, Condenser, Compressor and Rectifier   | 30000     |
| 2     | Synthesis of Ionano Fluid  | 20000     |
| 3     | Vacuum Pump and Heat Exchanger   | 30000     |
| 4     | Refrigerant Cylinder   | 1000      |
| 5     | Compound Gauge, Pressure Gauge, Digital Multimeter, Digital Clamp Meter, Welding set and Manifold set                                | 5500      |
| 6     | Flaring and Swaging Tool set, Copper tubes and Steel tubes, Tube cutter, Monkey Plier, Nose Plier, Wire cutter, Gas hose and Pliers. | 7100      |
| Total |  | 93600     |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-)

Contd.





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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc. (USA)

PRINCIPAL

Dr. V. SELLADURAI M.E. Ph.D.

FIE, FIE, FPE, FORSI, LM/ISSE

2. The duration of the project is one year from 19<sup>th</sup> August 2019 to 18<sup>th</sup> August 2020.
3. The following documents should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables
  - c. At least one Published / Submitted copy of the research paper as outcome of your research project.



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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc. IASc

PRINCIPAL

Dr. V. BELLADURAI

FE, FIE, FIPE, FORS, I, WISSE

7.8.2019

To

Dr.S.Suja  
Associate Professor  
Department of Electrical and Electronics Engineering  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 6.6.2019

I am pleased to inform that, your research proposal titled “Design and Analysis of Cost Effective Electric Vehicle Charging Station” has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item  | Cost (Rs) |
|-------|---|-----------|
| 1     | BLDC Motor  | 9000      |
| 2     | Li- Ion Battery   | 15000     |
| 3     | Ancillaries in EV Designing   | 5000      |
| 4     | DC Type Charger   | 55000     |
| 5     | Batteries and Ultra Capacitors(Energy storage in charging stations) | 20000     |
| 6     | Ancillaries in charging station design                              | 6000      |
| 7     | Driver for Converter  | 10000     |
| 8     | Power Electronic Components   | 5000      |
|       | Total   | 125000    |

For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-)

Contd.





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CORRESPONDENT

Dr. S.R.K. PRASAD

PRINCIPAL

Dr. S. SELLACHARAN

[IE, FIE, FIPE, FORSI, LM/ISSE]

2. The duration of the project is one year from 19<sup>th</sup> August 2019 to 18<sup>th</sup> August 2020.
3. The following documents should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
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CORRESPONDENT

Dr. S.R.K. PRASAD (Sd/- DEA)

PRINCIPAL

Dr. V. BELLAKIRAN (Sd/-)

FIE, FIE, FIFE, FORSI, LMISSE)

7.8.2019

To

Dr.M.Poongothai & Ms.S.Dhanalakshmi  
Department of Electronics and Communication Engineering  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal -reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 3.6.2019

I am pleased to inform that, your research proposal titled "IoT Based Indoor Air Quality (IAQ) Monitoring and Controlling System for CIT Campus" has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item   | Cost (Rs) |
|-------|--|-----------|
| 1     | K30 sensor(4 numbers), DHT11sensor(5 numbers), OSEPPLM35 Temperature sensor(5 numbers)   | 30250     |
| 2     | MS1100MS - 1100VOC Formaldehyde Benzene concentration gas sensor module(4 numbers)   | 7200      |
| 3     | Robocraze GP2Y1010AUOF Optical Dust Sensor Kit with Cable for Arduino (4 numbers)  | 2400      |
| 4     | DIGI XPB24CZ7PIT- 004 RF Transceiver Module, XBee-PRO Zigbee Through Hole Module, XBee-PRO ZB S2C TH, PCB Antenna(2 numbers)   | 24000     |
| 5     | REES52 2 Channel DC 5V Relay Module, Optocoupler Low Level Trigger Expansion Board (4 numbers), Arduino UNO (2 numbers), ESP 32(5 numbers), Raspberry pi 3 (3 numbers) | 16450     |
| 6     | WDBMUT0040JWT- BESN 4TB Personal Cloud (1 number)  | 25000     |
| 7     | Wi Fi Modem ( 2 numbers)   | 5600      |
| 8     | Panasonic FV - 11VQ5 Whisper Ceiling 110 CFM Ceiling Mounted Fan, White (2 numbers)  | 14100     |
|       | Total  | 125000    |

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Established in 1956 A unit of V. Rangasamy Naidu Educational Trust

CIVIL AERODROME POST, COIMBATORE - 641 014, TAMILNADU, INDIA

CORRESPONDENT

Dr. S.R.K. PRASAD (D.Sc, IISc)

PRINCIPAL

Dr. V. SELLADIYAN

FILE, FILE, FIPE, FORSI, LMISSEJ

## For Information:

1. Kindly follow the State Government norms (i.e. three quotations for the purchase of items having a cost of more than Rs.5000/-)
2. The duration of the project is one year from 19<sup>th</sup> August 2019 to 18<sup>th</sup> August 2020.
3. The following documents should be submitted after the completion of the project:
  - a. Utilization certificate as per enclosed format.
  - b. Report with deliverables
  - c. At least one Published / Submitted copy of the research paper as outcome of your research project.

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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc (USA)

PRINCIPAL

Dr. V. SELLADURAI Ph.D

FIE, FIE, FIPE, FORGI, LM(SSE)

7.8.2019

To

Dr.P.Suresh  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 29.5.2019

I am pleased to inform that, your research proposal titled "Synthesis and Characterization of Hetero-structured Powder Catalysts for Photo-catalytic Application" has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item   | Cost (Rs) |
|-------|--|-----------|
| 1     | Teflon lined Sealed Autoclave  | 20000     |
| 2     | Glass wares  | 7000      |
| 3     | Chemicals<br>Silver Nitrate, Niobium Oxalate, urea,<br>Acetone, Ethanol  | 52000     |
| 4     | Characterization studies : X-ray Diffraction,<br>FTIR Studies, FESEM studies, HRTEM<br>studies, XPS studies, Photoluminescence<br>Spectroscopy | 46000     |
| Total |  | 125000    |

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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc.(USA)

PRINCIPAL

Dr. V. SELLADITRAI

FILE, FIE, FIPE, FORS, LM(SSE)

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CORRESPONDENT

Dr. S.R.K. PRASAD D.Sc. (USA)

PRINCIPAL

Dr. V. SELLADURAI M.E. Ph.D.

FIE, FIE, FIPE, FORSI, LMISSE

7.8.2019

To

Dr.C.P.Yoganand  
Assistant Professor  
Department of Physics  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg.

Ref. 1: Call for proposal dated 12.4.2019

Ref. 2: Your proposal dated 29.5.2019

I am pleased to inform that, your research proposal titled "Fabrication of Nanocarbon Based Medical Cotton Fabrics by Plasma Impregnation Technique for Wound Healing and Anti-cancerous Applications" has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item   | Cost (Rs) |
|-------|--|-----------|
| 1     | Plasma System Service Charges  | 25000     |
| 2     | Chemicals and glass wares : Acetone, Nitrile Gloves, Vacuum Desiccator, Silver Nitrate Solution, Gas-(argon/ acetylene/ oxygen/ nitrogen), Laboratory Glass Wares and Cotton fabrics (medical grade) | 35500     |
| 3     | Characterization studies : X-ray Diffraction, FTIR Studies, FESEM studies, HRTEM studies, XPS studies, Biological Characterization Studies   | 64500     |
| Total |  | 125000    |

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CORRESPONDENT

Dr. S.R.K. PRASAD (D.Sc., USA)

PRINCIPAL

Dr. V. SELLADURAI (Ph.D.)

(E.E., P.E., F.O.S., F.W.S.S.E.)

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CORRESPONDENT

Dr. S.R.K. PRASAD

PRINCIPAL

Dr. V. SELLADURAI

(FIE, FIE, FIE, FIE) (MISSE)

7.8.2019

To

Dr.B.Gayathri  
Assistant Professor  
Department of Chemistry  
Coimbatore Institute of Technology

Sub: Sanction of seed money for research proposal –reg,  
Ref. 1: Call for proposal dated 12.4.2019  
Ref. 2: Your proposal dated 22.5.2019

I am pleased to inform that, your research proposal titled “Novel Bone Mimetic Scaffold Composed of Polyactic Acid Hydroxyapatite Zeolite Biomaterial – Finding the Route of Mechanism” has been selected for the award of seed money of Rs.125000/- (Rupees One Lakh and Twenty Five Thousand only) by the Management of CIT. The following items are approved for carrying out your research project.

| S. No | Item   | Cost (Rs) |
|-------|--|-----------|
| 1     | Hydrothermal Autoclave   | 20000     |
| 2     | Glass Wares  | 5000      |
| 3     | Chemicals – Hexafluoro isopropanol, Polyactic acid, Polyglycolic acid, Acetone   | 50000     |
| 4     | Characterization studies : X-ray Diffraction, FTIR Studies, FESEM studies, HRTEM studies, XPS studies, Biological Characterization Studies | 50000     |
| Total |  | 125000    |

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CORRESPONDENT

Dr. S.R.K. PRASAD Ph.D. (USA)

PRINCIPAL

Dr. V. SELLADIURAI Ph.D.

(P.E., P.T.E., F.P.E., F.O.S., L.M.(SSE))

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