**Geethanjali College of Engineering and Technology**

**Department of Electrical and Electronics Engineering**

**Annexure-20**

**Research and Consultancy Projects**

**AY 2020-21**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Title of the Patent** | **Name Applicants/**  **Inventors** | **Application Number** | **Date of Application** | **Date of Publication** |
| 1 | Design and Fabrication of Electric Smart bike with voice Recognition | Dr. Radhika Dora | 202041053479 A | 09/12/2020 | 18/12/2020 |
| 2 | Artificial Intelligence based controller for BLDC motor to achieve Pulsatility for VADs and TAHs | Dr. Anil Kumar Puppala | 202041057280 A | 30/12/2020 | 26/02/2021 |
| 3 | Methods of synthesizing linixcu0.5-xmn1.5O4 Nano material using microwave assisted sol-gel technique for lithium ion battery cathode | Dr. Aruna Bharathi | 202141014821 A | 31/03/2021 | 16/04/2021 |
| 4 | IoT enabled air cooler (Iot-e-AC) | Dr. Aruna Bharathi | 202141019699 A | 29/04/2021 | 07/05/2021 |
| 5. | Smart Solar Based Pet House | Dr. Radhika Dora  Mr. Gouse Basha | 343867-001 | 26/05/2021 | 26/05/2021 |

**AY 2019-20**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No** | **Consultancy Services** | **Title** | **In-charge** | **Duration** | **Amount in rupees** |
| 1 | BEES EXPANSION | Power Generation Using Alternate Sources- Stored Water as the Energy Source | Dr. RS RAJU  Dr. Harish Pulluri | 2 YEARS | 700000/- |

**Sponsored research (FUNDED)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S.NO** | **Title of the Project** | **Scheme/Sponsoring agencies** | **Name of PI / CoPI** | **Sanctioned date** | **Duration** | **Amount in rupees** |
| 1 | Deep learning based smart assistant for blind people | TEQIP-III, CRS,  JNTUH | Dr. Aruna Bharathi | 22/07/2019 | 1 Years | 270000/- |
| 2 | Introducing pulsatile flow through BLDC motor control for ventricular assist devices | TEQIP-III, CRS,  JNTUH | Dr. Anil Kumar Puppala | 22/07/2019 | 1 Years | 250000/- |

**MEMORANDUM OF UNDERSTANDING WITH INDUSTRIES**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **Name of the organization** | **Type of Organization** | **Date of MoU** |
| 1 | Datalog Controls and Solutions Private Limited, Hyderabad | Private | 01/07/2019 |

**AY 2018-19**

**MEMORANDUM OF UNDERSTANDING WITH INDUSTRIES**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO** | **Name of the organization** | **Type of Organization** | **Date of MoU** |
| 2 | CSIR-Indian Institute of Chemical Technology (CSIR-IICT) | Government | 29/03/2019 |

**AY 2017-18**

**Nil**

**AY 2016-17**

**Nil**