**Sponsored Research / Consultancy**

**(1) Details as provided in the SAR previously**

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| **Financial year** | **Name of Faculty (PI/Co-PI)** | **Name of the Funding agency** | **Title of the Project** | **Sanctioned Date** | **Project Duration** | **Total Amount Sanctioned (In Rupees)** |
| 2016-17 | Dr. Vikram | Research Seed Grant (TIET **Sponsored Research / Consultancy**  **(B) Details as provided in the SAR previously**) | Modelling and control of different type of inverted pendulums in the presence of uncertainties | 3/28/2016 | 2 Years | 300000 |
| 2015-16 | Dr. Mandeep Singh | DIPAS | Development of wireless Embedded system for Health monitoring of ambulatory subjects | 2/25/2015 | 2 Years | 993600 |
| 2015-16 | Dr. M D Singh | DIPAS | Development Fatigue detection system | 3/13/2015 | 2 Years | 991875 |
| 2016-17 | PrasenjitBasak | Research Seed Grant (TIET) | Design and validation of a microgrid system for Kashoud area at Himachal Pradesh | 3/31/2016 | 2 Years | 415000 |
| 2016-17 | Dr. Swati Sondhi | Research Seed Grant (TIET) | Development and Testing of Advanced Control Algorithms | 3/28/2017 | 2 years | 500000 |
| 2015-2016 | Dr. Surya Prakash | Research Seed Grant (TIET) | Application of Neuro-fuzzy Control in Interconnected Power System | 3/30/2015 | 2 Years | 420000 |
| 2013-14 | Prof.RavinderAgarwal | ICMR | Particulate Matter Dose Relationship with Lung function efficiency of children during agriculture crop residue burning episodes | 12/7/2012 | 4 Years | 4110000 |
| 2015-16 | Prof.RavinderAgarwal | DST | Study and Development of SEMG based exoskeleton knee | 9/7/2015 | 4 Years | 3723631 |
| 2016-17 | Prof.RavinderAgarwal, and Dr.SaurabhBhardwaj | DRDO-INMAS | Brain Fingerprinting: Detection of physiological based concealed information in the brain of suspect using machine learning techniques | 6/17/2016 | 2 Years | 990000 |
| 2016-17 | Prof.RavinderAgarwal, Prof.AlpanaAgarwal and Dr. Sanjay Kumar | SERB | Low-complexity power-efficient reconfigurable implementation of fractional order filters for weak ECG nonstationary biomedical signal processing applications | 27/09/2016 | 3 Years | 5395060 |
| 2016-17 | Dr.ShaliniBatra - PI; Dr. S.K. Aggarwal - Co-PI | Haryana State Council for Science and Technology, Panchkula | Smart Demand-Response Framework for load optimization in an Electrical Grid | 1/6/2017 | 2 Years | 7,28,000 |
| 2016-17 | Dr.Mukesh Singh (PI) | DST | Electric vehicle charging station as a voltage and frequency regulator, within the real time capability of the EVs available , in presence of intermittent renewable energy sources. | 4/26/2016 | 3 Years | 4500000 |
| 2016-17 | Dr.Mukesh Singh (Co-PI) | CSIR | Energy Management of the Smart Home Using Cloud Infrastructure- A unilityperespective | 5/24/2016 | 3 Years | 2500000 |
| 2016-17 | Dr. Sunil Singla, Dr.GagandeepKaur | Ingineous Corp. Sol. Pvt. Ltd. | Solution for rotation and translation in image based biometric system for cloud applications | 4/5/2016 | 2 Years | 500000 |
| 2016-17 | Dr Santosh Sonar | Research Seed Grant (TIET) | Experimental studies on Z-Source converters | 11/12/2015 | 2.5 years | 470000 |

**(II) Details after evaluation (till the date of compliance report)**

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| **Financial year** | **Name of Faculty (PI/Co-PI)** | **Name of the Funding agency** | **Title of the Project** | **Sanctioned Date** | **Project Duration** | **Total Amount Sanctioned (In Rupees)** |
| 2019-20 | Dr. Mukesh Singh, Dr. RS Kaler, Dr. SS Kasana | CSIR | Hybrid control strategy involving daylight harvesting for lighting applications in smart buildings | 20 June 2019 | 3 Years | 2218750 |
| 2017-18 | Amandeep Cheema under Dr. M D Singh | DST | Design and Development of phonocardiograpghy based psychological stress classifier | 21-Nov-17 | 1 Years | 615000 |
| 2017-18 | Dr Santosh Sonar | ALASA ELECTRONICS | Design and Development of AC-AC Converter BLDC motor controller | 4/13/2018 | 2 Years | 1200000 |
| 2017-18 | Dr.Parag Nijhawan and Dr.Amandeep S. Oberoi | Priority Solutions, Mohali | A smart Wearable Device for Cognitive Assessment | 16/06/2018 | 2 Years | 550000 |
| 2017-18 | Dr. S. K. Aggarwal | Research Seed Grant (TIET) | Impact analysis of renewable energy sources on power system and energy market operations | 4/4/2017 | 2 Years | 4,25,000 |
| 2018-19 | Dr. Mukesh Singh | DST | Demonstration of grid Supportive EV Charger and Charging Infracture at LT Level(D-EVCI) | 6/12/2018 | 3 Years | 5000000 |
| 2019-20 | Dr.Mukesh Singh | DHI-TPEM | Development and Prototyping of ICT enabled Smart Charging Network Components | 3/27/2018 | 2 Years | 20000000 |
| 2017-2018 | Dr Vishal Srivastava | Research Seed Grant (TIET) | Development of full-field optical coherence tomographic system for the quantification of cancerous tissues | 25/12/2017 | 2 Years | 630000 |
| 2017-2018 | Dr Vishal Srivastavaand  Prof.RavinderAgarwal | DST-SERB | Development of full-field polarization -sensitive optical coherence tomography for soft biological tissues | 10/08/2017 | 3 Years | 3590000 |
| 2018-19 | Dr.Pawan Kumar | Research Seed Grant (TIET) | Power and renewable energy management in TIET campus through strategic auditing and benchmarking | 27/11/2018 | 2 years | 500000 |
| 2017-18 | Professor RavinderAgarwal and Dr.AtulBansal | GLA, University | Development of diabetes and related disease identification system using iris and retinal images | December 2018 | 2 years | 5,00000 |