

## INSTITUTE PLAN GRANT PROJECTS (134/R&C/13-14 DATED 13.08.2013)

| S.N. | Name of PI                       | Department                   | Topic   | Amount (₹) | Sanction date |
|------|----------------------------------|------------------------------|---|------------|---------------|
| 1    | Dr. V. Murari                    | Applied Machenics Department | Study of Nonlocal Influence of ply level damage modes in Unidirectional composites  | 260,000.00 | 23.08.2013    |
| 2    | Dr. Anjana Pandey                | Biotechnology Department     | Amplification and overexpression of hyd and nif genes from H2 producing microorganisms to increase H2 yield                         | 200,000.00 | 23.08.2013    |
| 3    | Dr. Ashutosh Mani                | Biotechnology Department     | In silico identification of novel drug targets against Malaria and in vitro assay of drugs  | 200,000.00 | 23.08.2013    |
| 4    | Dr. Radha Rani                   | Biotechnology Department     | Exploring colourable and non-cultural microbial biodiversity of pesticide contaminated soil   | 200,000.00 | 23.08.2013    |
| 5    | Dr. Ambak Kumar Rai              | Biotechnology Department     | Estimation of vitamin A (Vit A) and arachidonic acid (AA) among visceral leishmaniasis patients                                     | 260,000.00 | 23.08.2013    |
| 6    | Dr. Sameer Srivastava            | Biotechnology Department     | Metabolic engineering of Saccaromyces cerevisiae/ E.coli for the production of monolignols  | 200,000.00 | 23.08.2013    |
| 7    | Dr. Sanjay Kumar                 | Biotechnology Department     | Screening of unicellular algae strains for sustainable economics biofuel bioprocess development                                     | 200,000.00 | 23.08.2013    |
| 8    | Dr. Hemant Kumar Pandey          | Civil Engg.                  | Hydrogeological Evaluation of Fluoride contamination of Groundwater in parts of District Sonbhadra (UP)                             | 231,160.00 | 23.08.2013    |
| 9    | Mr. Anupam Rawat                 | Civil Engg.                  | Low cost eco friendly houses using ferrocement  | 221,000.00 | 23.08.2013    |
| 10   | Dr. Sushil Kumar                 | Chemical Engg.               | Ionic Liquids: Green solvents for the extraction of organic compounds   | 230,000.00 | 23.08.2013    |
| 11   | Dr. Ankur Gaur                   | Chemical Engg.               | Permanent CO2 sequestration via mineral carbonation route   | 192,500.00 | 23.08.2013    |
| 12   | Dr. Harinder Singh               | Chemical Engg.               | Experimental and theoretical investigation into rheology of legume starches through food polymeric approach                         | 200,000.00 | 23.08.2013    |
| 13   | Dr. Ashish Nivrittinath Sawarkar | Chemical Engg.               | Value-added products from the bottom-of-the-barrel  | 218,000.00 | 23.08.2013    |
| 14   | Dr. Yogendra Kumar Prajapati     | ECED                         | Simulation and Numerical Analysis of optical microstructure fiber: Dispersion Characteristics                                       | 199,989.00 | 23.08.2013    |
| 15   | Dr. Rahul Dev                    | Mechanical Engg. Department  | Performance study of different modified solar systems designed for improved thermal efficiencies                                    | 200,750.00 | 23.08.2013    |
| 16   | Dr. Jagadish Chandra Mohanta     | Mechanical Engg. Department  | A comparative study on navigational behaviour of mobile robot in various environments through simulation and real time experiments  | 227,000.00 | 23.08.2013    |
| 17   | Dr. Gorakh Nath                  | Mathematics Department       | Shock waves in dusty and non-dusty medium   | 128,448.00 | 23.08.2013    |
| 18   | Dr. Buddakkagari Vasu            | Mathematics Department       | Transient free convection heat and mass transfer with thermophoresis in a walters-B viscoelastic flow along a vertical porous plate | 169,026.00 | 23.08.2013    |
| 19   | Dr. Pramod Kumar Yadav           | Mathematics Department       | A study on mobility of complex porous membranes   | 146,000.00 | 23.08.2013    |

**Details Institute Plan Grant Projects which is expended by R&C (Office order No. 15/R&C/2015-16 Date 29.04.2015)**

| SI No | Name of the Faculty members | Department | Name of Project  | Duration (in Month) | Payment made by | Sanctioned Amonnt ( ` ) |
|-------|-----------------------------|------------|--|---------------------|-----------------|-------------------------|
| 1     | Mr. Vishwajeet Pratap Singh | CED        | Evaluation of contaminated land site and its remediation modeling in laboratory  | 24                  | R & C           | 220000.00               |
| 2     | Dr. Kumar Pallav            | CED        | Seismic Performance of Khusro Bagh Tamb, Allahabad, a Numerical Study  | 24                  | R & C           | 200000.00               |
| 3     | Mr. Ramji Dwivedi           | GIS Cell   | Slope Monitoring in Uttarakhand, India using PS-InSAR Technique  | 24                  | R & C           | 200000.00               |
| 4     | Mr. Manohar Yadav           | GIS Cell   | Development of software package for highway applications using Mobile LiDAR data   | 24                  | R & C           | 200000.00               |
| 5     | Dr. Ravindra Tripathi       | HSS        | Demand & Supply Gap Analysis in Agricultural Financing: An Empirical study with special reference to Allahabad Dirstrict   | 24                  | R & C           | 220000.00               |
| 6     | Dr. Suantak Kamsonlian      | CHED       | Removal of Zinc from Contaminated water using low cost abundantly available adsorbents                                     | 24                  | R & C           | 220000.00               |
| 7     | Dr. Ranvijay                | CSE        | Study of load Transfer parameters of robots and subsequent development of an automated library book dispatcher and hoarder | 24                  | R & C           | 220000.00               |
| 8     | Mr. Divya Kumar             | CSE        | Study of stabilizing parameters in dynamically-stable quadruped robot  | 24                  | R & C           | 220000.00               |
| 9     | Mr. Manoj Kumar Gupta       | MED        | Investigations on hybrid sisal and jute reinforced polymer composite   | 24                  | R & C           | 200250.00               |
| 10    | Mr. Binayaka nahak          | MED        | A Comparative study of surface integrity of Die steel and particle reinforced metal matrix composite                       | 18                  | R & C           | 197600.00               |
| 11    | Mr. Bireswar Paul           | MED        | Flam synthesis of carbon nanotubes and nanofibers  | 24                  | R & C           | 220000.00               |
| 12    | Dr. Deepak Kumar            | EED        | Development of balanced realization based order reduction algorithms for reduction of power system models                  | 18                  | IPG             | 200000.00               |
| 13    | Mr. M. Venkatesh Naik       | EED        | Design and development of DC-DC converters for fuel cell power conversion systems  | 24                  | IPG             | 200000.00               |
| 14    | Mr. Niraj Kumar Choudhary   | EED        | Protetion coordiation and load sharing in poower distribution system with DG penetration                                   | 18                  | IPG             | 200000.00               |
| 15    | Dr. Santosh Kumar Gupta     | ECE        | To develop, Implement and Test FPGA based low power wireless sensor network with front end and receiver modules            | 24                  | IPG             | 200000.00               |
| 16    | Dr. Arun Prakash            | ECE        | Experimental Investigantion of Multihop sensory data collection for networking application                                 | 12                  | IPG             | 200000.00               |
|       |                             |            | <b>Total</b>   |                     |                 | 3317850.00              |