

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years
(INR in Lakhs)

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years.

| Sl.No. | Name of the Project/ Endowments, Chairs | Name of the Principal Investigator/Co- investigator | Department of Principal Investigator | Year of Award | Amount Sanctioned | Duration of the project | Name of the Funding Agency | Status of the Project | Type (Government/no n-Government) |
|--------|---|---|--|------------------|----------------------------|----------------------------|--|--------------------------|---|
| 1 | Ambient Air Quality Monitoring at Two Stations In Hapur City | Dr. Neetu Goyal (PI) Dr. Narendra Kumar (Co-PI) | Biotechnology | 2016 | Rs.-8,72,000/- (Annual) | 5 Years (Year 1) | U.P. Pollution Control Board, Lucknow | In Progress | Government |
| 2 | Awareness Programme on Intellectual Property Rights (IPR) of Micro, Small & Medium Enterprise (Handloom & Powerloom | Dr. S. N. Rajan | IT | 2016 | One Lakh | One Year | NMCP Scheme of DC-MSME | Completed | Government |
| 3 | Ambient Air Quality Monitoring at Two Stations In Hapur City | Dr. Neetu Goyal (PI) Dr. Narendra Kumar (Co-PI) | Biotechnology | 2017 | Rs.-8,72,000/- (Annual) | 5 Years (Year 2) | U.P. Pollution Control Board, Lucknow | Completed | Government |
| 4 | Smart Blind walker stick | Dr. Pankaj Agarwal | CSE | 2017 | Rs 16,000/- | 6 months | CST,UP | Completed | Government |
| 5 | Research Project titled "A Multipurpose Drone" under Visvesaraya Research Promotion Scheme | Mr. Mukesh Kumar & Dr. Pankaj Agarwal | CSE | 2017 | Rs 430000 | 2 years | AKTU, Lucknow,U.P | Completed | Non Government |
| 6 | Creation of Water From Air | Dr. V.K. Saini | Mechanical Engineering | 2017 | 20000/- | 6 Month | CST, UP Engineering Student's Project Grant Scheme 2017-18 | Completed | Government |
| 7 | Ambient Air Quality Monitoring at Two Stations In Hapur City | Dr. Neetu Goyal (PI) Dr. Narendra Kumar (Co-PI) | Biotechnology | 2018 | Rs.-8,72,000/- (Annual) | 5 Years (Year 3) | U.P. Pollution Control Board, Lucknow | In Progress | Government |
| 8 | Detection of Sunflower leaf diseases using image segmentation and soft computing techniques" | Mr. Vijai Singh | CSE | 2018 | Rs 186000 | 2 years | AKTU, Lucknow,U.P | In Progress | Non Government |

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|----|--|--|---|------|-------------------------|------------------|---|-------------|----------------|
| 9 | Cabriolet Vechi-EEE | Ms. Sulekha Saxena | EN | 2018 | 20000/- | 1 Year | CST-UP Engineering Students Project Grant Scheme | Completed | Government |
| 10 | Mars Rover | Mr. Abhishek Gupta | EN | 2018 | 12000/- | 1 Year | Kalam Centre AKTU, Lucknow | Completed | Government |
| 11 | Rat, A Surveillance Robot | Dr. V.K. Saini | Mechanical Engineering | 2018 | 20000/- | 6 Month | DRDO Robotics and Unmanned Systems Exposition (DRUSE) | Completed | Government |
| 12 | Post harvest crop management system using IOT and AI | Ms. Shruti Keshri | CSE | 2018 | 1.25 lakh | 6 months | Smart Odisha Hackathon 2018 | Completed | Non Government |
| 13 | Ambient Air Quality Monitoring at Two Stations In Hapur City | Dr. Neetu Goyal (PI) Dr. Narendra Kumar (Co-PI) | Biotechnology | 2019 | Rs.-8,72,000/- (Annual) | 5 Years (Year 4) | U.P. Pollution Control Board, Lucknow | In Progress | Government |
| 14 | Cloning and characterization of PfSEA-1 antigen of <i>Plasmodium falciparum</i> as vaccine candidate | Dr. Meghna Singh (PI) | Biotechnology | 2019 | 18,00,000/- | 3 Years | DST-SERB under TARE Scheme | In Progress | Government |
| 15 | Prediction and analysis of Air Pollution level using Machine Learning | Sapna Yadav | CSE | 2019 | Rs 20,000 | 6 months | CST,UP | In Progress | Government |
| 16 | Design and Analysis of MIMO Antenna with Incorporation of Substrate Integrated Waveguide | Dr. R. N. BARAL | Electronics & Communication Engineering | 2019 | 3,00,000 | One Year | CRIP (TEQIP-III) Dr. A. P. J. Abdul Kalam Technical University, Lucknow (Uttar Pradesh State Technical University) | In Progress | Government |
| 17 | Ambient Air Quality Monitoring at Two Stations In Hapur City | Dr. Neetu Goyal (PI) Dr. Narendra Kumar (Co-PI) | Biotechnology | 2020 | Rs.-8,72,000/- (Annual) | 5 Years (Year 5) | U.P. Pollution Control Board, Lucknow | In Progress | Government |

Prabhu