

**Innovation Projects sanctioned by DU in 2012-13:**

<b>S.No</b>	<b>Title of the Project</b>	<b>Faculty</b>	<b>Mentors</b>	<b>Amount Sanctioned Rs. (Lakhs)</b>
1	Glucose Detection - a biosensing approach	Dr. Amit Garg (Electronic) , Dr. Arijit Chowdhuri (Physics), Dr. Rajesh Chaudhary (Biomedical Science)	Prof. Vinay Gupta, Deptt. of Physics & Astrophysics, University of Delhi	10
2	CO <sub>2</sub> Gas Sensing - an ICT based investigation for pollution control	Dr. Arijit Chowdhuri (Physics), Dr. Subhash Kumar (Physics), Ms. Sunita Narang (Computer Science)	Prof. Vinay Gupta, Deptt. of Physics & Astrophysics, University of Delhi	10
3	Mobile phone as a real-time sensor based undergraduate laboratory	Dr. Amit Garg (Electronics), Mr. Vishal Dhingra (Electronics), Dr. Pankaj Khanna (Chemistry)	Mr. Karun Jain, Academic Technical Consultant, NI Systems (India) Pvt. Ltd	10
4	Survey-based study to identify the health hazards associated with occupational exposure of textile dyes used by dyers to color the fabrics	Dr. Seema Gupta (Chemistry), Dr. Manisha Jain (Chemistry), Dr. Gagan Dhawan (Bio-Medical Science)	Dr. K.C. Gupta , Director Indian Institute of Toxicological Research (CSIR) Lucknow	10
5	Exploring useful bacteria from soil	Dr. Monisha Khanna (Zoology), Dr. Ravi Toteja (Zoology), Dr. Vikrant Kumar (Chemistry)	Dr. Atul Kumar Johri, School of Life Sciences Jawaharlal Nehru University	10
6	Recording and analysis of Locomotory behaviour among birds	Dr. Savithri Singh (Botany), Dr. M. S. Rajeshwari (Botany), Dr. Rajesh Chaudhary (Biomedical Science)	Dr. G. Nagarjuna, Homi Bhabha Centre For Science and Education TIFR, Mumbai	10

**Innovation Projects sanctioned by DU in 2013-14:**

S.No.	Title of the project	Faculty	Mentors	Amount sanctioned Rs.(Lakhs)
1	Mobile healthcare: the future of health management in India – a feasibility study.	Dr. Urmi bajpai Dr. Sarita Kumar Mr. Vishal Dhingra Dr. Amit Garg	Mr. Ananda Sen Gupta, Managing Director, TrackMyBeat Healthcare India Pvt. Limited	5.0
2	Development of low cost computer controlled Science laboratory using sensors and open source hardware and software tools.	Dr. Amit Garg Dr. Roopesh Tehri Mr. Chandra Kant Samal	Mr. Sunil Piplani, Industry Consultant and Proprietor, Excel Technologies, NOIDA	6.0
3	Astronomy using archival data.	Dr. Subhash Kumar Dr. Sharanjit Kaur Dr. Sukanta Deb	Professor H. P. Singh, Department of Physics & Astrophysics, University of Delhi	4.5
4	Artificial olfaction using e-nose – mimicking human nose for gas sensing applications.	Dr. Arijit Chowdhuri Dr. Charu K. Gupta Dr. Sunita Narang	Dr. S. P. Singh, Scientist, National Physical Laboratory, New Delhi	5.0

### Innovation Projects sanctioned by DU in 2015-16

S.No.	Title of the project	Faculty	Mentors	Amount sanctioned Rs.(Lakhs)
1	Dr Charu K Gupta and Dr Sarita Kumar	Development of low-cost, robust, portable water purifier prototype with physical, chemical and biological filtration for field water disinfection and potable water generation in natural calamity afflicted zones with harsh conditions	Professor Rupam Kapoor, Department of Botany, University of Delhi	6.0
2	Dr Monish Khanna, Mr Ravinder K Sagar and Dr Sunita Hooda	Biodegradation of wastes by microbial extracellular enzymes	Professor R. C. Kuhad, Vice Chancellor, Central University of Haryana	6.5
3	Dr Ravi Toteja and Dr Seema Makhija	Ciliate diversity as cellular tool to assess soil quality(DU-303)	Professor D. K. Singh, Department of Zoology, University of Delhi	6.5
4	Dr Arijit Chowdhuri, Dr Chaman Singh and Dr Sadanand Prasad	Development of portable electronic nose with autonomous & stand-alone operation for quantified Ambient Air Pollution (AAP) measurement wireless data transfer protocol on android enabled mobile phones	Mr. Amit Jha, Programme Manager Deutsche Gesellschaft fur Internationale (GIZ) GmbH	6.0
5	Dr Pankaj Khanna, Dr Neeti Misra and Dr Vibha Gaur	Designing a virtual chemistry lab for undergraduate students	Professor Pankaj Tyagi, Cluster Innovation Centre, University of Delhi	6.0
6	Dr Gagan Dhawan, Dr Seema Gupta and Dr Pooja Bhagat	The design, synthesis and biological evaluation of oxindole based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B	Dr. Kallolmay Biswas, Senior Scientist, Jubilant ChemSys Ltd., Noida	4.5
7	Dr Sunita Narang, Dr Shalu Mahajan and Dr Surinder Kaur	Digital India: Challenges and opportunities	Professor Monica Singhania, Faculty of Management Studies, University of Delhi	3.5
8	Dr Geetika Kalra, Dr Saumya Saxena and Dr Manisha Jain	Analysis of the efficacy of plant sources recommended as brain tonics	Professor S.C. Bhatla, Department of Botany, University of Delhi	4.0

9	Dr Mamta Bhatia, Dr Subhash Kumar and Ms. Sunita Jetly	Leveraging big data for astronomy and health care	Professor R. K. Agarwal, Jawaharlal Nehru University	5.0
10	Dr. Roopesh Tehri and Dr. Harita Ahuja	Development of an all-in-one module for real time agricultural data acquisition and processing	Mr. Sunil Piplani, Consultant Excel Technologies	5.0
11	Development of a multi-sensor gesture controlled wheelchair system for persons with disability	Dr. Amit Garg, Mr. Vishal Dhingra and Dr. Abhishek Kumar Mehta	Dr. Anita Talwar, Managing Director, Gentech	5.0