



# CLUSTER INNOVATION CENTRE

(UNIVERSITY OF DELHI)

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<https://ducic.ac.in>

## Summer Internship CIC 2016

Cluster Innovation Centre is opening a Summer Internship Programme of 6 weeks duration (in between 1<sup>st</sup> June- 31<sup>st</sup> July 2016). The list of the faculty members and tentative projects available for this year's programme is given below. The programme will be restricted to undergraduate students only (the undergraduate students who have appeared in their final year examination are not eligible to apply). The interested students can apply to CIC in the email address [cicsummerint@gmail.com](mailto:cicsummerint@gmail.com) with a brief resume along with the application form latest by 15<sup>th</sup> May 2016. The form can be downloaded from CIC website (<https://ducic.ac.in/>). The list of selected students will be notified in the website by 20<sup>th</sup> May 2016. The maximum number of students allocated to each faculty member is four. The students will be issued an identity-card for the duration of the internship. They will be allowed to use the computer facility at CIC though no individual laptop will be issued to them. There will be no stipend for the internship and no boarding arrangement will be made by CIC. The students will not be given any TA/DA. At the successful completion of the program, the students will be given a certificate from CIC.

Name of Faculty	Tentative Project Title	Pre-requisite for Students
Mr. Anjani Kumar Verma	Online Help Desk	Knowledge of Programming framework e.g. .NET, JAVA, HTML, JAVASCRIPT, CSS, JDBC, DATABASE & JSP
Dr. Asani Bhaduri	1. Identifying protein motifs and phylogenetic analysis in pathogenic bacteria. 2. Creating bio-software database. 3. Non-coding RNA biology.	Knowledge of <i>in silico</i> biology/molecular biology/microbiology/algorithm development
Dr. Deepika Bhaskar	1.Skill Enhancement in Innovation and Entrepreneurship (to be conducted under CIC-CSEC, DU) 2. Personalized Cancer Medicine	Knowledge in skill enhancement and entrepreneurship. Biology, Bioinformatics.
Dr. Dorje Dawa	Hazard, Vulnerability & Risk Assessment by Geoinformatics and Satellite Remote Sensing.	Knowledge in Remote sensing preferable.
Dr. Harendra Pal Singh	Control scheme for robots using evolutionary algorithms	Knowledge of optimization-based techniques/control systems/robotics
Dr. Jogeswar Satchidananda Purohit	1. Identification of catalytic triads for histone specific proteases. 2. <i>in silico</i> analysis of gene regulation of few important genes in <i>Daphnia</i>	Knowledge in Bioinformatics
Dr. Jyoti Sharma	1. Developing MathPlaza resources. 2. Preparing higher order thinking questions in Math and Science	Knowledge in Mathematics and/or Education
Dr. Mahima Kaushik	1. Creating an android app for awareness on environment and Diseases. 2. Fabrication of Electrochemical DNA biosensors based on Nanotechnology	Knowledge of Programming, Basic Chemistry/Biology/Biochemistry
Prof. Pankaj Tyagi	Innovative Physics Card Games	UG level Physics
Dr. Saleem Mir	1. Sustainable Urban Water Management. 2. Digitising Library Resources.	Knowledge of urban ecosystem and governance
Mr. Sachin Kumar	Intelligent Air Pollution Forecasting With Machine Learning and Big Data	Programming Skills in Python, Matlab or R, Understanding Algorithms, Data Structure Environment domain/Machine Learning.

**Director**

Cluster Innovation Centre