(U/S 2(f) and 12B of the UGC Act1956, NAAC Accredited)

DESH BHAGAT UNIVERSITY, MANDI GOBINDGARH

Faculty of Information Technology and Library Sciences
Department Of Computer Science & Application

Ph.D

PROGRAMME OUTCOMES

PH. D, COMPUTER SCIENCE

- The Ph.D course work is framed to inculcate the research scholars with basic, applied and instrumental knowledge associated with Computer Science.
- Students will be equipped with background status and innovation in research work and future perspectives of the selected topics of research.
- Students would be taught different aspects about the importance of literature review, accessing scientific databases, laboratory safety and code of conduct with the view of preparing them for taking up research problems.
- Students would be made aware of the research ethics, scientific temper, Intellectual property rights and code of conduct for pursuing career in research and development.
- Students would be taught about the different instrumentation techniques, statistical tools and IT tools, so that they could apply theses in their field of research depending upon their requirements.
- Students would be able to understand and use basic sciences, mathematics and engineering sciences in a high level.
- Students would be in possession of wide and deep knowledge in the field of Computer Science and application, including the latest developments.
- Students would be able to reach the new information in the field of Computer Science and Applications and having high-level competence in necessary methods and skills to make the research by apprehending the new information.
- Students would be able to bring an innovation that provides different initiatives to the field of Computer Science; develop a new approach, method, design, application or apply a present method in a different field.
- Students would be able to perceive an original research process independently and design, implement, conclude and lead the process.
- Students would be able to contribute to the literature by publishing the whole scientific research and development efforts he/she has carried out in the field of expertise.

- ❖ Students would be able to comprehend scientific, technological, social and cultural developments and convey them to society with scientific impartiality and ethical responsibility.

Course outcome

Course Code: MPHD-101
Title of the Course: Research Methodology
Course Outcomes:
CO1: Able to select and define appropriate research problem and Parameters.
CO2: Able to select the data from different methods.
CO3: Able to organize and conduct research in a more appropriate manner.
CO4: Able to understand and apply statistical.

Course Code: CPHD-102
Title of the Course: Emerging Trends in Computer Science(Core)
Course Outcomes:

CO1. Understand the working of Cloud Computing and research related to it.
CO2. Understand the different technologies related to Big Data.
CO3. Understand the working of IoT and issues related to it.
CO4. Understand the concepts related to AI.

Course Code: PHRP-102
Title of the Course: Research Publications and Ethics
Course Outcomes:

CO1: Understand the philosophy of science and ethics, research integrity and publication ethics.
CO2: Identify research misconduct and predatory publications.
CO3: Understand indexing and citation databases, open access publications, research metrics (citations, h- index, impact Factor, etc.).
CO4: Understand the usage of plagiarism tools.