किरोड़ी मल कॉलेज

दिल्ली विश्वविद्यालय, दिल्ली - 110007

Kirori Mal College

University of Delhi, Delhi – 110007

Email: principal@kmc.du.ac.in   Tel. No.: 011-27667939
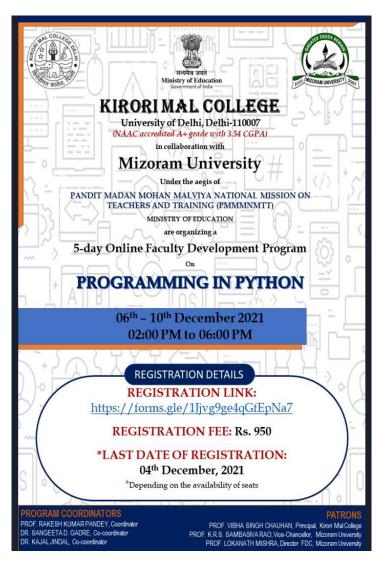
Website: kmc.du.ac.in

Report on Online Faculty development Program on Programming in Python

Date: December 6th - 10th 2021, 2:00 to 6:00 PM
Online Platform: Zoom
Resource Person: Prof. Sandeep Ghugre UGC-DAE (Department of Atomic Energy), CSR Kolkata

Python Language has emerged as an efficient tool in the practice of science teaching at different levels. The solution to problems along with visual representations of the same is believed to effectively articulate the associated methodologies and has been an impetus to the widespread usage of this tool. In this light, the Department of Physics, Kirori Mal College hosted a Faculty Development Program (FDP) on **Programming in Python** under the **Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNT) centre of Mizoram University**, on a digital platform, during December 6th - 10th 2021. The timings of sessions were from 2:00 to 6:00 P.M each day. Prof. Rakesh Kumar Pandey served as the program coordinator and Dr. Sangeeta D. Gadre and Dr. Kajal Jindal served as program co-cordinators. The FDP focused on the application of Python programming and covered the syllabus of undergraduate honours courses in Delhi University wherein Python programming is recommended. The participants were successfully exposed to application of Python programming in the problems related to Algebraic equations, Differential equations, Boundary value Problems, Matrices – equations and operations, Eigenvalue problems, Graphical displays, Quantum Mechanics and Statistical Mechanics. The participants included teachers engaged in undergraduate teaching of Physics, Chemistry, Mathematics, Computer Science and other such subjects in different colleges of University of Delhi and also across universities. 49 participants registered for the program. The program included the lectures as well as hands on interactive sessions. The participants were given assignments through Google classroom and were assessed there.

Overall, the program was highly fruitful and proved to be a great opportunity for all the participants to enrich their knowledge on a platform where faculty members from different colleges or institutes came together and had

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an interactive learning experience. All the participants were awarded the graded certificate of completion of program.