



National Workshop (Faculty Development Programme)

ON

"Design and Development of Massive open online courses (MOOCs) through SWAYAM"

(with Hands on online class management and co-creating MOOCs).

8th - 13th April, 2024



Jointly organized by

Vigyan Setu Forum

Dolphin (PG) Institute of Biomedical and
Natural Sciences, Dehra Dun-248 007 (U.K.)

&

Teaching Learning Center Ramanujan College, Delhi University.

in collaboration with

Uttarakhand Science Education and Research Centre (USERC), Dehradun

Introduction

The VIGYANSETU Forum of DIBNS will organize a one-week faculty development programme on "Design and Development of Massive open online courses (MOOCs) through SWAYAM" with Hands on online class management and co-creating MOOCs. from 08th - 13th April, 2024. The workshop is organized in association with the research development and services cell, Ramanujan College, Delhi University & in collaboration with Uttarakhand Science Education and Research Centre (USERC), Dehradun

About the Institute

The Dolphin (PG) Institute Of Bio Medical & Natural Sciences, Dehradun, Uttarakhand is providing quality education to the young students and to develop them as professionals in biomedical and natural sciences since 2002. The institute is affiliated with HNB Garhwal central university, Srinagar, Garhwal and recognized by UGC u/s 2(f) and The Institute got NAAC Accreditation (Second Cycle) Grade 'B++' in 2022. We offer courses chiefly in the streams of Paramedical, Life sciences, Natural sciences & commerce like Biotechnology and Biomedical sciences, Agriculture, Horticulture, Microbiology, Medical Lab Technology, Physics, Forestry, Physiotherapy, pharmaceutical Chemistry, Chemistry, and Biochemistry etc. The Institute is approved by Indian Association of Physiotherapists (IAP), Delhi and National Council for Teachers Education (NCTE), New Delhi, India. The Institute is recognized as a Local Chapter for NPTEL activities by IIT Madras.

Teaching Learning Centre Ramanujan College

Teaching Learning Centre (TLC) is mandated by the Ministry of Education (MoE) to organise Faculty Development Programmes (FDPs), Faculty Orientation and Induction Programmes (FIPs), discipline specific and interdisciplinary Refresher Courses, conferences, workshops, through offline and online modes. These programmes are based on in-depth subject knowledge, quantitative and qualitative research methodologies, and on an interdisciplinary approach as is envisaged in the National Education Policy (NEP), 2020.

The TLC, Ramanujan College has been set up with the aim of "Reaching the Unreached" teachers in terms of regional diversity and geographically remote areas of the country. It has successfully conducted more than hundred learner-centric programmes since October 2017 and trained over one lakh teachers across the country in various discipline specific and interdisciplinary programmes.

In the TLC Programmes distinguished and internationally acclaimed resource persons deliver lectures and conduct sessions on wide ranging disciplines/topics of relevance in the contemporary and ever evolving global scenario to benefit the teaching fraternity, corporates and researchers. The sessions are also uploaded for larger audiences on the official YouTube Channel of the College.

Ramanujan College is a pioneer in offering offline/online courses for faculty members of higher education institutions and research scholars through the customized Learning Management System



(LMS), designed by the College's Research Development and Services Cell. It is predominantly participant-friendly and incorporates evaluation methods and comprehensive feedback systems to judge learning outcomes. The LMS is hosted on CLOUD with high scalability and reliability. The College has installed its own Cloud Infrastructure to host its servers for research and data analysis

About the Sponsor:

Uttarakhand Science Education and Research Centre (USERC) was setup in 2005 by the Department of Science and Technology, Government of Uttarakhand as an autonomous organization. It was created with the mandate to bolster scientific temperament in Uttarakhand. To this end, it has been making intensive, across-the-board efforts to support education and promote career prospects in the realms of Science and Technology. USERC is dedicated to motivating and developing academicians and students through its involvement in teaching and training students for research in science and technology, including computing. A large part of Uttarakhand consists of difficult to very difficult terrain and includes fragile ecosystems that cannot be disturbed due to ecological constraints. This has led to the state being unable to fully adopt the traditional approach for pursuing the goal of economic growth and development. Consequently, Uttarakhand lags behind many other parts of the country in the quest for growth and development. In this milieu, inculcation and nurturing of scientific temperament and technological savviness is crucial for the state being able to progress on the path of economic growth and development. USERC works towards creating the necessary infrastructure and developing meaningful programmes for the state by extensively interacting and collaborating with national and international institutions and experts. The Centre is developing a synergetic network with many academic institutions located in the state and outside. It also conducts various outreach programmes and co-curricular activities for reaching out to the community, all across the state.

Key Features of the Programme :

- Development of deeper understanding of the dynamics of e-content creation and the underlying technology and proficiency
- Use of open source tools for creation of e-content including generic video creation softwares for recording and minor editing, screen capturing
- Assistance in Online Course Instructional Design & Best Practices
- Awareness on Open Educational Resources (OER) and MOOCs
- Design and develop a MOOC course based on the four-quadrant model
- Preparation of online assignments & quizzes
- Grading and evaluation
- Build a platform for transacting the online course and managing it

After successful completion of the program, the participants will be able to:

- Create e-content for their discipline using open source software tools.
- Integrate OERs in their e-resources
- Design MOOCs pertaining to the specifications of the four Quadrant Model with the facility to share resources and also provision for assessment
- Design the framework for effective implementation of these online courses



Steps for Registration:

The Participants can apply for the programme by submitting their application through the given google link <https://forms.gle/F9W9gM9mFVb9DzqHA>
The last date for submitting the Participation request is 02/04/2024, 5:00 pm.

The seats in the program are limited.

Short-listed Candidates will be informed separately through Mail For further process of final Registration

Preference will be given to participants from remote border area colleges of Uttarakhand.

Eligibility

The FDP is open to Faculty members (regular/ad-hoc/temporary) from university/college/school However, Preference will be given to participants from remote border area colleges of Uttarakhand. Registration for all the participants is mandatory

NB: Travel allowance TA and local hospitality will be provided by the Institute to attendees coming from remote regions of Uttarakhand.

For more details :

For Further queries, please contact us at:

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Patron

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