



**MAHILARATNA PUSHPATAI HIRAY ARTS, SCIENCE AND COMMERCE  
MAHILA MAHAVIDYALAYA, MALEGAON CAMP, NASHIK**



**3<sup>rd</sup> Cycle**

**Assessment & Accreditation**

**Criterion – 6**

**Governance, Leadership and Management**

**Key Indicator- 6.3 Faculty Empowerment Strategies**

*QnM – 6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years*

**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development/administrative training programs during the last five years**

### **Findings for DVV**

1. Provide Event Broachers and reports of (Mathematics/Operational Research/Statistics and computer science, Refresher course in life sciences, ICT enabled teaching in Higher Education, Library and Information Science, Advanced Pedagogical Techniques, Refresher course in physical education, Open source tools for research) with photographs with Date and caption

### **Clarification**

Event Broachers with photographs with Date and caption

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# 1. Mathematics/Operational Research/Statistics and computer science

Zoom Meeting

Recording

## Integral Equations

Consider an integral equation

$$\int_{-\infty}^{\infty} f(t)g(x-t)dt + \lambda f(x) = u(x),$$

where  $g(x)$  and  $u(x)$  are given functions and  $\lambda$  is a known parameter.

Apply the Fourier transform,

$$\hat{f}(k)\hat{g}(k) + \lambda\hat{f}(k) = \hat{u}(k).$$

Thus

$$\hat{f}(k) = \frac{\hat{u}(k)}{\hat{g}(k) + \lambda} \implies f(x) = \int_{-\infty}^{\infty} \frac{\hat{u}(k)}{\hat{g}(k) + \lambda} e^{ikx} dk$$

74 / 129      Ajay Kumar      An introduction to Fourier Analysis

Chat

Dr. Sadananda Chatterjee to Everyone  
DS ppt is not visible

Tamil Elakkoya to Everyone  
TE its visible sir

Who can see your messages? Recording On

To: Everyone

Type message here...

2:50 PM 9/2/2022

Dr. Ajay Kumar delivering lecture on 'An introduction to Fourier Series' dated 2<sup>nd</sup> Sep 2022.

Zoom Meeting

Recording

Dr. Sadananda...

SV

Pradnya survase      Gopala Krishna Srinivasan      Dr. Arpan Dhara      Dr. Sadananda Chatt...      SV      Vandana Khaitan

to have some knowledge of the isoperimetric thm.

Soapfilms: A wire bent into a (non planar) curve is dipped into Soap solution and carefully removed. Pleatau's problem is to understand the geometry of Soap films. The Soap film minimizes surface tension and so would minimize surface area - see for example John Oprea [17] and other books for a detailed account. Most recommended are Robert Osserman's Survey of minimal surfaces and A.T. Fomenko's books on the subject. It is not difficult to check that the surfaces with minimum area have zero mean curvature.

Some Examples:

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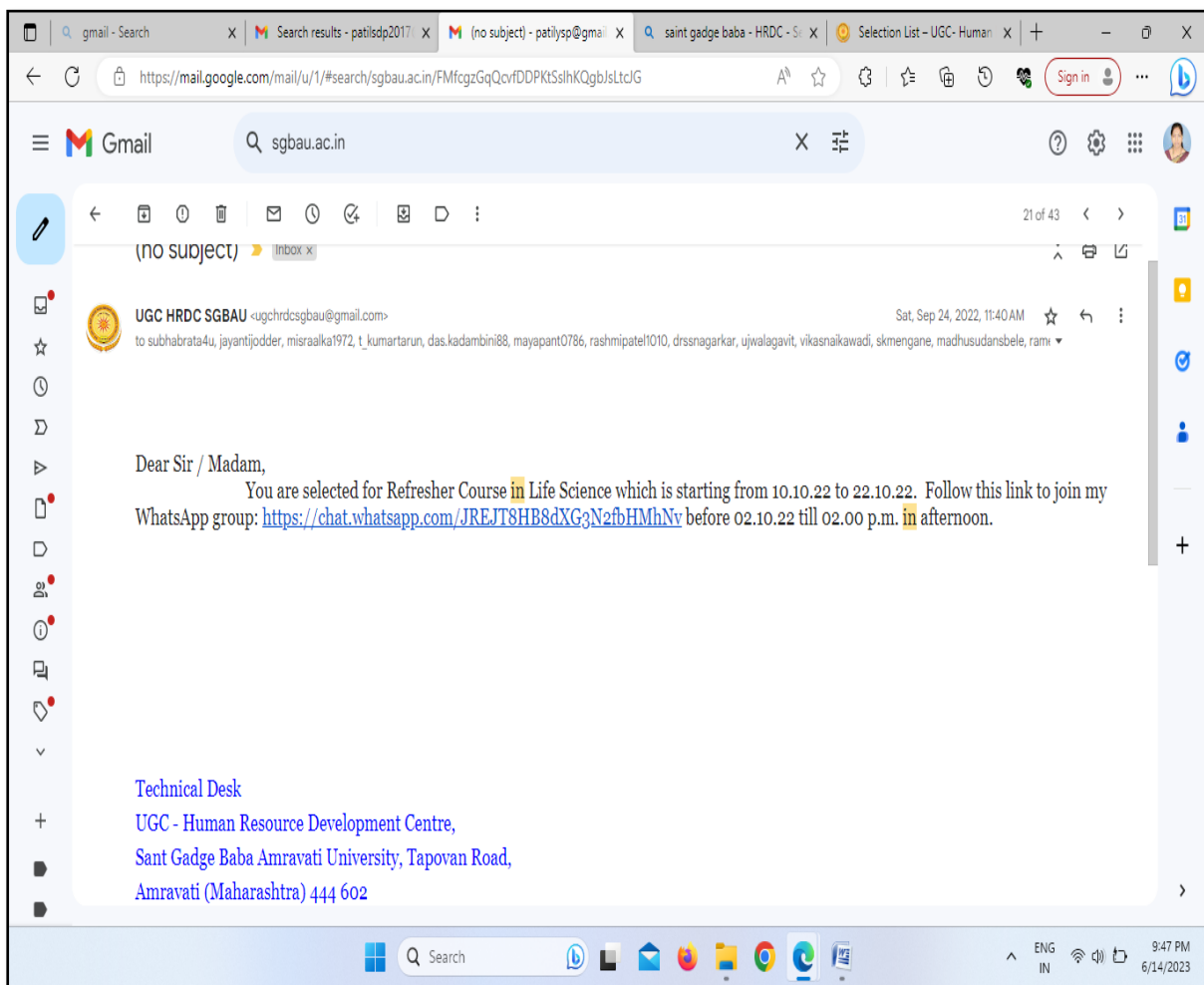
Geometric-Analy...pdf      Geometric-Analy...pdf

11:57 AM 9/3/2022

On 3<sup>rd</sup> Sep 2022 Prof. Gopala Shrinivasan delivering lecture



## 2. Refresher course in life sciences



### 3. ICT enabled teaching in Higher Education

 <p><b>Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik</b></p> <p><b>CHIEFPATRONS</b> <b>Hon'ble Smt. Pushpatai V.Hiray</b> <b>Chairperson</b> Mahatma Gandhi Vidyamandir Nashik</p> <p><b>Hon'ble Dr. Prashant V.Hiray</b> <b>General Secretary</b> Mahatma Gandhi Vidyamandir Nashik</p> <p><b>Hon'ble Dr.Smitaa Prashant Hiray</b> <b>Treasurer</b> Mahatma Gandhi Vidyamandir,Nashik</p>	  <p><b>Mahatma Gandhi Vidyamandir's Loknete Vyankatrao Hiray Arts, Science and Commerce College, Nashik</b> <b>under the aegis of</b> <b>Internal Quality Assurance Cell</b> <b>In Collaboration With</b> <b>Guru Angad Dev Teaching Learning Centre</b> Sri Guru Tegh Bahadur Khalsa College, University of Delhi Pandit Madan Mohan Malviya National Mission On Teachers And Teaching (PMMMNMTT) Ministry Of Education <b>Organising</b></p> <div style="border: 1px solid black; padding: 10px; text-align: center;"><p><b>One Week Online National Faculty Development Programme/ Certificate Programme</b> <b>“ICT Enabled teaching in Higher Education”</b> <b>4<sup>th</sup> May 2022 to 10<sup>th</sup> May 2022</b> <b>(Flexible mode is also available)</b></p></div> <p style="text-align: center; border: 1px solid black; padding: 5px;"><b>Approved for CAS of UGC &amp; AICTE</b></p>	 <p><b>Guru Angad Dev Teaching-Learning Centre of MHRD (PMMMNMTT)</b> SGTB Khalsa College, Delhi University</p> <p><b>Chairman</b> <b>Prof. A.K Bakhshi</b> <b>Hon'ble VC</b> PDM University Haryana</p> <p><b>CO-PATRON</b> <b>Prof. Jaswinder Singh</b> Principal SGTB Khalsa College, DU Director GAD-TLC of MHRD</p> <p><b>NATIONAL COORDINATOR</b> <b>Prof. Vimal Rarh</b> Project Head &amp; Joint Director GAD-TLC of MHRD Coordinator NRC of Chemistry, MHRD</p>
<p><b>Last date of Registration:</b> <b>3<sup>rd</sup> May 2022, 8.00pm</b></p> <p><b>Registration Link</b> <a href="#">Click here for Registration</a></p>	<p style="text-align: center;"><b>PAYMENT DETAILS</b></p> <p><b>Name of Account</b> The Principal LVH Arts, Science and Commerce College, Panchavati, Nashik.</p> <p><b>Account Number</b> 97580200000240</p> <p><b>IFSC Code</b> BARB0DBADGA</p> <p><b>Account type</b> Current Account</p> <p><b>Branch Name</b> Adgaon Naka, Panchavati, Nashik</p>	





**MHRD**  
Govt. of India



### **ABOUT PMMMNMTT, MINISTRY OF EDUCATION GOVT. OF INDIA:**

Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMNMTT) is a Scheme launched by the Ministry of Human Resource Development, Government of India. The aim of the scheme to improve the quality of school and higher education by addressing comprehensively all issues related to teachers, teaching, teacher preparation, professional development, curriculum design, designing and developing assessment & evaluation methodology, research in pedagogy and developing effective pedagogy. Many centers such as TLC, FDC, School of Education, etc. have been opened throughout the country.

### **ABOUT GURU ANGAD DEV TEACHING LEARNING CENTRE GAD-TLC, SGTB KHALSA COLLEGE, UNIVERSITY OF DELHI:**

Guru Angad Dev Teaching Learning Centre(GAD-TLC) was inaugurated on 1st July 2016 by Smt.Smriti Zubin Irani. GAD-TLC is a leading Centre of Ministry of Education, Govt. of India under PMMMNMTT. GAD-TLC has been created under the Pandit Madan Mohan Malviya National Mission on Teachers and Teaching(PMMNMTT) of the Ministry of Human Resource Development (MHRD), Govt. of India which addresses comprehensively all issues related to teachers, teaching, teacher preparation and professional development and thus helps in the preparation of modern age ICT savvy teachers.

This centre empowers through various basic and advanced workshops for teachers in pedagogy (virtual & blended) and ICT skills. MHRD has also selected GAD-TLC as the National Resource Centre (NRC) of Chemistry in 2018. Since 2016, it has trained more than 70,000 teachers in the areas of e-Learning, Blended Learning Pedagogies, ICT Tools and Educational Technologies, etc.

The Core Team of GAD-TLC has expertise of developing more than 50 MOOCs for SWAYAM platform of Govt. of India and the e-content produced by GAD-TLC has been rated as one of the best in quality at the National Level.

### **About MGV's Loknete Vyankatrao Hiray Arts, science and Commerce College, Nashik**

Loknete Vyankatrao Hiray Arts, science and Commerce College, is a leading educational institution in Nashik, established in the year 1971, at the banks of river Godawari. Under the Chairmanship of Loknete Vyankatrao Hiray the institute, "Adivasi Seva Samiti" started the functioning of this college. Later on, the college functioning was transferred to "Mahatma Gandhi Vidyamandir, Malegaon Camp". The College is affiliated to the Savitribai Phule Pune University and recognized under 2(f) and 12B of UGC Act. Along with the UG courses, the college has several PG Departments. The College offers 25 subjects at special level UG and 13 at PG level. PG courses in English, Psychology, History, Economics, Geography, Commerce, Electronic Science, Zoology, Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Botany and Mathematics are conducted in the college. The college also administers Research centers in Chemistry, Psychology, Electronics, Zoology, Botany and Commerce. The college conducts PG Diploma in Industrial Psychology and Certificate Courses in English for Business, Modi- Script, Tourism, Event Management and Soft Skill Development. The college also functions as a study center for the various courses conducted by Yashwantrao Chavan Maharashtra Open University. The College has a well maintained library, having around 73878 books with latest magazines and journals. The library is well equipped with Audio Visual Aids and it is computerized. Special scheme for poor students i.e. Poor Boys Book Bank Facility is implemented consisting of 3000 books, which are given to the students for the academic year. The college library has a linkage with the British Library, Pune. The college library has the Inter Library borrowing facility with YCMOU, Nashik. Since the college houses YCMOU study center, our sister institute like Pharmacy College and Institute of Management are also linked with the Library. The teaching staff of the college is well qualified; several faculty members are Ph.D., M.Phil. and newly appointed staff are NET, SET qualified. The staff is consistently busy in several research activities along with consultancy activities. Many of them are working with Minor and Major research projects funded by UGC and Savitribai Phule Pune University



MHRD  
Govt. of India



### HOW TO APPLY

- All participants are requested to register online using the registration form using the link given below. Passport size photograph has to be uploaded for registration
- Participants must make a payment of **Rs 750/- (non-refundable) by NEFT / UPI / IMPS** and take a screen shot of or download the payment receipt, which has to be uploaded on the registration form
- Last date of registration is **3rd May 2022 08.00pm** Late applications and payments will not be accepted.
- Email confirmation will be sent to registered participants. A WhatsApp group link will be provided therein for all further communication.

### About the FDP

Knowledge of ICT is becoming a mandatory requirement for the teachers and learners in view of the globalization of the education. The concept of the world as 'Global Village' implies intensive and extensive use of ICT tools in conducting all business across the Globe. In the process of teaching, learning and assessment the use of ICT has to play a significant role when we think of internationalization of education. Increasing internationalization in teaching and learning makes it necessary for our teachers to be proficient in the use of ICT tools. But it is a matter of great concern that a chunk of our teachers still is not well versed in the use of ICT techniques in teaching, learning and assessment.

ICT knowledge is becoming a prerequisite for both teachers and students. When it comes to internationalization of education, the use of ICT in the teaching, learning, and evaluation processes must be considered. As teaching and learning become more internationalized, our teachers will need to be skilled in the use of ICT tools. COVID-19 has created a pandemic around the world. In addition, information and communication technology (ICT) plays a critical role in teaching and learning. Teaching and learning have become more participatory and collaborative as a result of ICTs. The use of ICT has nearly become an integral part of our teaching, learning, and assessment process throughout the Post Covid period.

A great number of our teachers are still unfamiliar with how to use ICT in teaching, learning, and evaluation. As a result, a Faculty Development Program on the use of ICT technologies in teaching, learning, and evaluation is urgently needed. This is because technologically literate faculty members can quickly communicate, develop, share, save, and manage data. Attending the workshop will be extremely beneficial to the attendees because they will be able to assess and comprehend how ICT technologies are not less than a boon for the education sector in the present situation.

- Successful Completion Certificate: For Certificate of Completion, the candidate must secure 50% or above in assignments, projects and Online Quizzes as per the norms.
- Certificate of Participation: Those who do not qualify will only be given Certificate of Participation

### Eligible Participants:

Faculty members (Regular/Ad-hoc/ Temporary/ Guest) from any Indian University/ College/ Institute as well as registered Ph.D. Research Scholars are eligible to apply for this FDP.

**Approved for CAS of UGC & AICTE**

## Duty Leave Option

### OPTION A: (WITH DUTY LEAVE)

Teachers are entitled to "Duty Leave" subject to their Institution's Permission and provided they complete all the activities in time-bound manner within the duration of this Program. The Duty leave order or relieving order has to be submitted by the participant for this option.

### OPTION B: (FLEXIBLE MODE WITHOUT DUTY LEAVE)

This Program can also be done in flexible mode. In this case, no duty leave shall be applicable and additional time of maximum 2 weeks will be given to complete the assignments, project, and quizzes.



## Resource persons



**Prof. Jaswinder Singh**  
Principal, SGTB Khalsa College,  
Director, GAD-TLC of MHRD



**Prof. A.K Bakhshi**  
Hon'ble Vice Chancellor  
PDM University Haryana



**Prof. Vimal Rarh**  
Project Head & Joint Director  
GAD-TLC of Ministry of  
Education



**Dr. Arun Julka**  
Associate professor  
Maharaja Agrasen College,  
University of Delhi



**Dr. Narinderjit Kaur**  
Assistant Professor,  
Kanya Maha Vidyalaya,  
Jalandhar, Punjab



**Bhushan Kulkarni**  
Engineer,  
Mahabridge IT Solutions,  
Ahmednagar, Maharashtra



**Satish Ahire**  
Assistant Professor,  
Loknete Vyankatrao Hiray  
Arts, Science and Commerce  
College, Nashik, Maharashtra

### **Chief Organizers**

**Hon'ble Dr. Yogita Aapoorva Hiray**

Trustee MGV & CDC Chairperson (LVH, College, Nashik)

**Dr.B.S.Jagdale**

Trustee MGV & Principal LVH College, Nashik.

**Prof.(Dr.) N.B.Pawar**

Vice principal and senate members, SPPU, Pune

**Prof.Dr.M.A.Bhardwaj**

IQAC coordinator & Dean, Humanities  
MGV, Nashik

#### **Co-ordinator**

**Prof.(Dr.) K.H.Kapadnis**

**Dr.K.R.Nikam**

**Mr.S.A.Ahire**

**Mrs. N.V.Sadgir**

**Dr.V.H.Rakibe**

#### **Convenor**

**Dr. P.Y.Vyalij**

**Prof.(Dr.) T.B.Pawar**

**Dr.S.S.Chobe**

**Dr.V.A.Adole**

**Dr.S.D.Patil**

#### **Organizing Committee**

**Dr.S.D.Manjarekar Mrs.Sarla Sanap**

**Mr.Bhushan Chakor**

Equivalent to  
face to face One Week FDP  
(Fulfills requirement as per CAS of UGC and  
AICTE for promotional requirements of  
Teachers) Institutional Benefits:  
NAAC and NIRF

**Guru Angad Dev Teaching Learning Centre**

**(PMMNMTT), Ministry of Education,**

**SGTB Khalsa College, University of Delhi,**

**Delhi**

#### **Chairman, GAD-TLC**

**Prof. A.K. Bakhshi**

Hon'ble Vice-Chancellor

PDM University, Bahadurgarh, Haryana

#### **Director, GAD-TLC**

**Prof. Jaswinder Singh**

Principal

SGTB Khalsa College

University of Delhi

#### **National Coordinator**

**Prof. Vimal Rarh**

Project Head & Joint Director  
GAD-TLC of Ministry of Education

#### **FOR ANY QUERY CONTACT**

**Email Id –**

**[chemistrylvh2020@gmail.com](mailto:chemistrylvh2020@gmail.com)**

**Mr. S. A. Ahire**

(8080500330)

**Dr. S. S. Chobe**

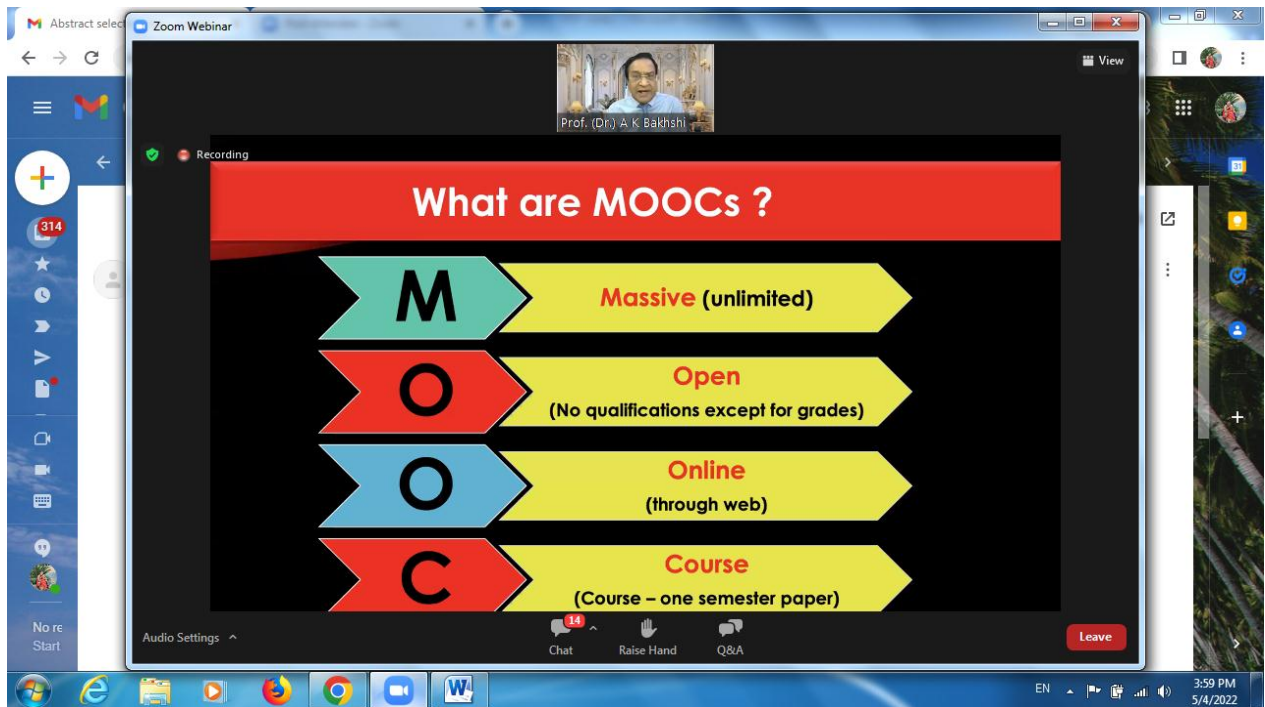
(8208784653)

**Mrs. N.V. Sadgir**

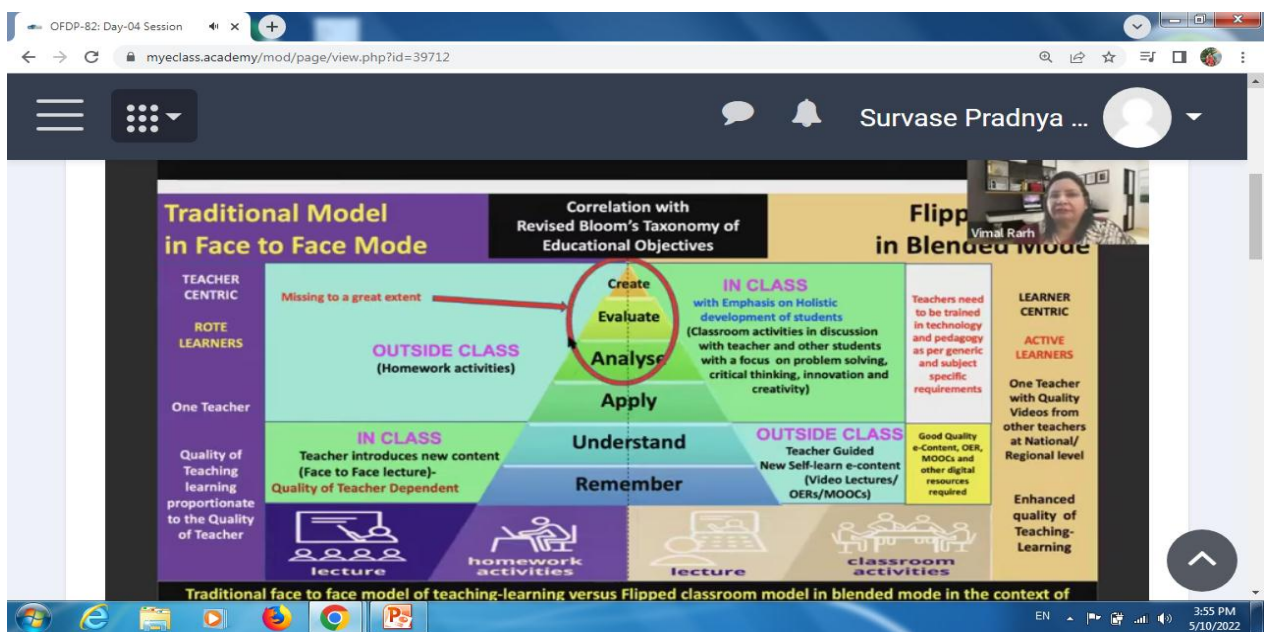
(8485811767)

**Dr. V. A. Adole**

(8830701585)



**Prof. A. K. Bakshi delivering lecture on MOOC dated 04/05/2022.**



**Prof. Vimal Rarh delivering lecture dated 10/ 05/2022**



## 4. Library and Information Science

The screenshot shows a Webex meeting interface. At the top, the title bar reads "Webex Meeting Info Hide Menu Bar". Below it, a menu bar contains "File Edit Share View Audio & Video Participant Meeting Help". A row of video thumbnails shows several participants, with a label "Speaking: Prof. Kiran Rekha" above the first one. The main content area displays a presentation slide with a blue background and yellow text. The slide title is "EFFECTIVE PRESENTATION :Ability to connect positively with Audience". Below the title is an illustration of a person standing on a stage with a large speech bubble. The presenter's name and affiliation are listed at the bottom: "DR. (MRS.) KIRAN REKHA Professor & ex Director UGC-Human Resource Development Centre Himachal Pradesh University Summerhill, Shimla". The bottom of the screen shows the Webex control bar with buttons for "Connect audio", "Start video", "Share", and other icons. The system tray on the left shows the date and time as "2:17 PM 5/18/2022".

A lecture by Dr.Kiran Rekha on “Guidelines for Microteaching” on 18/05/2022

The screenshot shows a Webex meeting interface. At the top, the title bar reads "Webex Meeting Info Hide Menu Bar". Below it, a menu bar contains "File Edit Share View Audio & Video Participant Meeting Help". A row of video thumbnails shows several participants, with a label "Sayan Bag" above the first one. The main content area displays a presentation slide with a white background and green text. The slide title is "Research Ethics And Ethics in Academic Writing". Below the title is a diagram showing a flow from "Research Ethics And Ethics in Academic Writing" to "What is Ethics?" and "Ethics defined". The presenter's name and affiliation are listed at the bottom: "Dr. Joginder Singh Saklani Assistant Director HRDC-HPU, Shimla". The bottom of the screen shows the Webex control bar with buttons for "Connect audio", "Start video", "Share", and other icons. The system tray on the left shows the date and time as "2:20 PM 5/20/2022".

A lecture by Dr.Joginder Singh Saklani (Assistant Director HRDC-HPU Shimla) on “Research Ethics and Ethics in Academic Writing” on 20/05/2022

No.: 1241



## UGC-Human Resource Development Centre

Himachal Pradesh University, Shimla-171005

(NAAC Accredited 'A' Grade University)



### UGC SPONSORED FACULTY INDUCTION PROGRAMME

#### Certificate of Participation

This is to certify that **Pradnya Ramesh Deore** ..... Assistant/Associate Professor  
in **Library & Information Science** ..... from **Mahilaratna Pushpatai Hiray Mahila**  
**Mahavidyalaya, Malegaon Camp, Malegaon, Maharashtra**  
affiliated to **Savitribai Phule Pune University**  
participated in One Month online Faculty Induction Programme (Guru-Dakshita) held from **04.05.2022**  
to **02.06.2022** ..... and obtained ..... 'A' ..... grade.

COURSE CO-ORDINATOR

DIRECTOR

VICE-CHANCELLOR

## 5. Advanced Pedagogical Techniques



**TEACHING LEARNING CENTRE  
RAMANUJAN COLLEGE**  
(Accredited Grade 'A' by NAAC)  
**UNIVERSITY OF DELHI**



under the aegis of

**MINISTRY OF EDUCATION**  
PANDIT MADAN MOHAN MALAVIYA NATIONAL  
MISSION ON TEACHERS AND TEACHING

is organising an

**ONLINE ONE-WEEK FACULTY DEVELOPMENT PROGRAMME**

# **ADVANCED PEDAGOGICAL TECHNIQUES**

**30 JUNE - 06 JULY, 2021**

To complete the registration  
and payment process, visit:

**rcmoocs.in**

or scan the QR code:



**Register Before  
29 JUNE 2021**

### **HIGHLIGHTS:**

- Individual - paced  
(Flexible Hours)
- Graded certificates
- Beneficial for CAS
- NOC not required  
for participation

**PAYMENT DETAILS**  
**Rs. 950/-**  
**(Non - Refundable)**

For further information, write to us at:  
rcmoocs6@ramanujan.du.ac.in



The screenshot shows a Gmail interface with a search bar containing 'ramanujan'. The email being viewed is from 'TLC Ramanujan College' (rcmoocs4@ramanujan.du.ac.in) dated Saturday, June 26, 2021, at 1:59 PM. The subject is 'Confirmation of Participation: Advanced Pedagogical Techniques in 30/06/2021-06/07/2021'. The email body contains the following text:

Dear Participant,

We are excited to share with the launch of the One Week Faculty Development Programme (Advanced Pedagogical Techniques) from 30/06/2021-06/07/2021. Your participation in the programme is hereby confirmed.

Further details about the course and schedule will be intimated to you via the official Telegram group of the Programme. Please use this link for joining the Telegram Channel: [Click Here](#).

After installing the telegram app, click on the link given above, it will ask you the option by which to open the link. Please click/tap on telegram. You will be able to join.

All further information regarding the Programme will be updated on Telegram Group.

## 6. Refresher course in physical education



**UGC-Human Resource Development Centre**  
**Lakshmbai National Institute of Physical Education**  
**(Deemed University) Gwalior-474002 (M.P)**  
Phone 0751-4000810, 945 Tele Fax No. 0751-4000945, E-mail: [asclnipe@rediffmail.com](mailto:asclnipe@rediffmail.com)  
Website: [www.hrdc-gwalior.com](http://www.hrdc-gwalior.com), [www.lnipe.edu.in](http://www.lnipe.edu.in)



Ref. No./HRDC/2021-22/RC-91/493

From: **Dr. Anurodh Singh Sisodia**  
**Prof. & Director I/c**

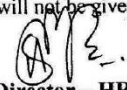
Date: 29/10/2021

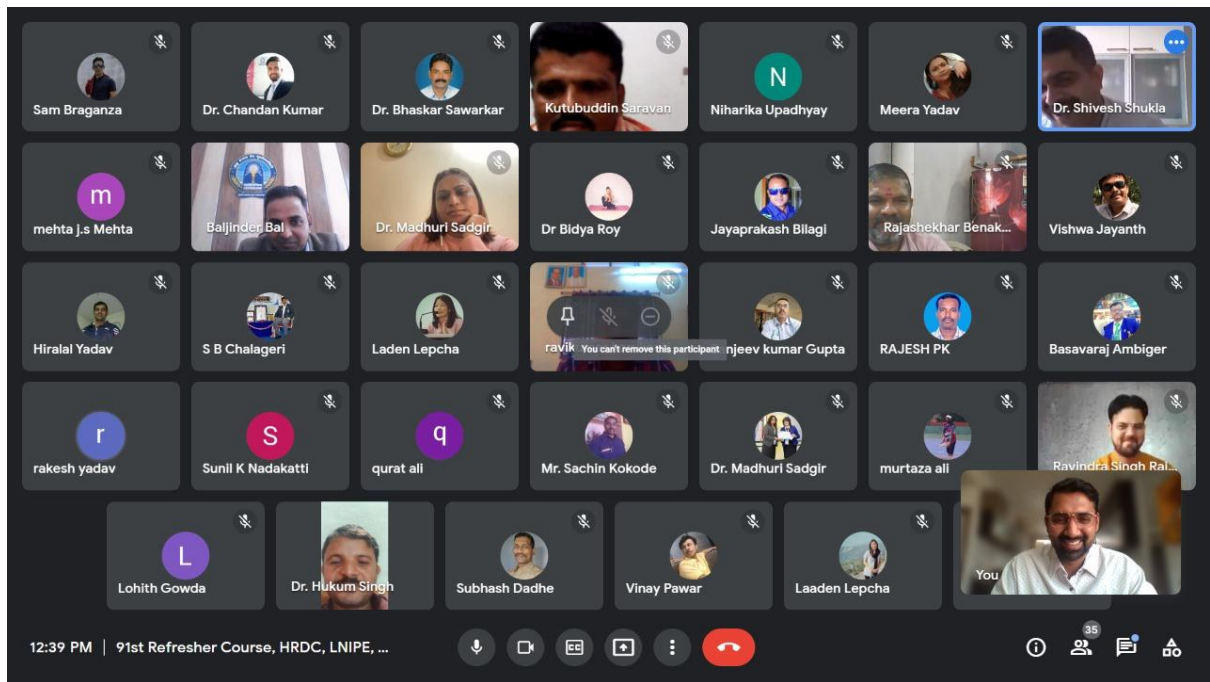
To,  
Dr. Lahanu Vitthal Jadhav  
Assistant Professor  
Mahilaratna Pushapatai Hiray Arts, Science & Com. College,  
Malegaon Camp., Nashik (MS)

**Subject: - Admission to Refresher Course (Physical Education)**

**With reference to your application received for the purpose, you are hereby informed that:**

1. You have been admitted to attend Online Refresher Course to be held from 09.11.2021 to 22.11.2021 for which you have applied.
2. Please send Relieving order/letter/ NOC from the Head of your Institution regarding attending the online course to [asclnipe@rediffmail.com](mailto:asclnipe@rediffmail.com).
3. Video recording of all the sessions will be done therefore it is mandatory to maintain the decorum of class/course.
4. It is suggested that the participants should have internet plan to meet the requirement of 6 hours a day. (Class Timings 10.00 AM to 11.30 AM, 11:45 AM to 01:15 PM, 02.00 to 03.30 PM and 03.45 to 05.15 PM)
5. Basic computer handling skill Desktop/ Laptop with good internet speed, functional webcam, microphone and headphone or ear lead are compulsory.
6. Kindly provide your Whatsapp number, ignore if mentioned in application form.
7. This online course will be conducted with Google Meet app and Google classroom, link will be provided to you through online mode. Please connect yourself on 09/11/2021 at 10:00 AM positively.
8. No leave will be granted during the course.
9. No candidate will be allowed to attend the Refresher Course, if he/she does not attend the inaugural session of the said programme.
10. Every participant will be evaluated on a five point scale on the basis of the performance in the course and grades A+, A, B, C & F will be awarded. Participant getting grade F will be required to repeat the course without financial commitment to UGC-HRDC.
11. Copy forwarded to the Principal/Registrar Mahilaratna Pushapatai Hiray Arts, Science & Com. College, Malegaon Camp., Nashik (MS) for information and necessary action.
12. G-mail account is mandatory for every participant since the Google form and Google meet will be used during the course.
13. Presence in all the lectures is mandatory, in case you miss any session than the certificate will not be given.

  
I/c Director - HRDC  
**Director**  
UGC-HRDC  
LNIFE, Gwalior (M.P.)



**Successfully Completed 91st Refresher course through online mode organised by LNIPE HRDC Gwalior from 09/11/2021 to 22/11/2022**



## 7. Open source tools for research



**MINISTRY OF HUMAN RESOURCE DEVELOPMENT**

**PANDIT MADAN MOHAN MALAVIYA  
NATIONAL MISSION ON TEACHERS AND TEACHING  
TEACHING LEARNING CENTRE  
RAMANUJAN COLLEGE  
(UNIVERSITY OF DELHI)**

**ONLINE FACULTY DEVELOPMENT PROGRAMME**

**OPEN SOURCE TOOLS FOR RESEARCH  
(08<sup>th</sup> JUNE – 14<sup>th</sup> JUNE, 2020)**

**CALL FOR REGISTRATION AND PARTICIPATION**



**Organized by**

**Teaching Learning Centre  
&  
Research Development and Services Cell  
Ramanujan College, University of Delhi  
(Accredited Grade 'A' by NAAC)**

## **OPEN SOURCE TOOLS FOR RESEARCH (08 JUNE – 14 JUNE, 2020)**

The Ministry of Human Resource Development (MHRD) launched the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT) in 2017. One of the main objectives of this mission is to facilitate teacher training by constituting Teaching Learning Centers in various institutions of higher education in our country. The Teaching Learning Centers (TLCs) are mandated to promote on a continuous basis the learning of new pedagogical practices, methodology of forming discipline-specific curricula and creating new learning materials (including e-content) for use by the teachers in colleges and post graduate departments. It is envisioned that the TLCs will accelerate the teaching-learning process by encouraging independent critical and creative thinking and facilitating research for subject-specific growth.

The TLCs will assist the faculty in capacity building for curriculum designing, scientific assessment and evaluation and the development of innovative academic programs to strengthen the inclusive nature of higher education. The TLCs are also encouraged to reach out to teachers teaching in regionally disadvantaged locations.

The Pandit Madan Mohan Malaviya National Mission emphasizes the need to change the role and workings of a teacher from a mere disseminator of information and knowledge to the one who helps students to develop critical, analytical skills, capabilities to generate information, the ability to reason and to empower themselves through open sources and globally oriented digitalized self-learning processes. The focus is not only on 'what is taught' but also importantly, to 'the way it is taught,' in an effort to develop and enhance individual education, that will eventually go on to define the manner in which the future generations will work and live.

The Teaching Learning Centers offer Faculty Induction Programs (FIPs) for newly recruited faculty and Faculty Development Programs (FDPs) for teachers with experience who wish to update their field of knowledge, expertise and skill with the latest available research, resources and technology. In the FDPs, special emphasis is given to inter and cross-disciplinary methodologies of study.

## **RAMANUJAN COLLEGE**

Ramanujan College is University of Delhi College located in the well-known area of Kalkaji, near Nehru Place in South Delhi. Ramanujan College has highly qualified, dedicated and committed faculty members. The college runs fifteen courses in different subjects in Humanities, Commerce and Science streams. It is also the study centre for the students of the School of Open Learning, University of Delhi, the Non-Collegiate Women's Education Board, University of Delhi and the Indira Gandhi National Open University. Ramanujan College has also been selected by the MHRD as a National Resource Centre.

The College also runs a number of professional courses. The teachers of Ramanujan College are highly motivated and have original, published academic and creative work, including journal and other print media articles and educational film making to their credit. Ramanujan College is a premier institution of the University of Delhi and has been accredited grade "A" by the National Assessment and Accreditation Council (NAAC). The college has also been ranked 26<sup>th</sup> in the National Institute Ranking Frame work (NIRF2018).

We at Ramanujan College emphasize on the holistic development of personality, meaningful exposure to real world, and inculcating practical skills amongst our students apart from ensuring academic excellence.

### **ENRICHMENT SPECTRUM AT THE TEACHING LEARNING CENTRE (TLC), RAMANUJAN COLLEGE**

- ❖ TLC, Ramanujan College is equipped with a modern state of art auditorium, conference rooms and ICT enabled classrooms.
- ❖ Emphasis to create self-learning space for students
- ❖ Hands-on assignments and live projects
- ❖ Expert guidance on live projects
- ❖ Follow-up tasks
- ❖ Provision of study content (wherever required)
- ❖ Developing appropriate attitudinal orientation
- ❖ Learning experience for personality enrichment
- ❖ Augmentation of professional capabilities
- ❖ Co-creation and mutual contribution between participants and facilitators
- ❖ Access to global resources
- ❖ Adaptation skills for the dynamic contemporary environment



## **FOCUS OF FDP PROGRAMME**

Research is a form of systematic enquiry to delve deeper into a subject and produce socially relevant results in different forms like a product, research paper, patent or thesis. There are varied forms of research each characterized by different methodologies. At every step involved in heading towards a problem solution, a set of tasks are outlined. Every such task which may be collection of data, searching literature review, deriving a mathematical or computational solution or presentation of the results, requires support from several tools and technologies. These tools are not only assistive but also help improvement in the quality of the research outcome.

This Online Faculty Development Programme is diligently planned around learning some open source tools and techniques that are useful in accomplishing research outcomes. The primary tools covered are those that would aid a researcher in a systematic background knowledge probe, data visualization, and effective presentation of results, writing research paper, preparation of reports and thesis, and prevention against plagiarism. The overall objective of the FDP is to disseminate knowledge of some of the important digital tools used for academic purposes; creating research profiles, finding relevant and good quality journals and amalgamation of the much needed digital skills which can play a significant role throughout the research process.

## **MAJOR THEMES FOCUSED FOR THE ONLINE FACULTY DEVELOPMENT PROGRAMME**

- ❖ Writing Research Paper using LaTeX
- ❖ Referencing Tools
- ❖ Visualization Tools
- ❖ Advanced Searching Tools
- ❖ Scientific Journal Finder
- ❖ Indexing and Impact Factors.
- ❖ Patent, Copyright and Plagiarism

## EXPECTED OUTCOMES

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

- ❖ Get in depth understanding of usage of several open source tools that can assist them in their research endeavors
- ❖ Gain better understanding on how to design a valid research project to answer specific research questions
- ❖ Write effective research papers and thesis in the journal designated formats using online tools
- ❖ Effectively analyze and present their data and research outcomes
- ❖ Gain awareness on the concept of originality of research
- ❖ Know the process of finding good quality journals for research and publishing
- ❖ Establish collaborations with the research community
- ❖ Improve their overall quality of research

## ELIGIBILITY

- ❖ The FDP is open to Faculty members (regular/ad-hoc/temporary) from any Indian university/ college and research scholars.
- ❖ All the participants are requested to register online by visiting [www.ramanujancollege.ac.in](http://www.ramanujancollege.ac.in) on or before 4<sup>th</sup> June, 2020 by browsing the following link: <https://forms.gle/J16o997U69muxALs5>
- ❖ Registration for all the participants is mandatory.

**For further queries, please mail us at: [rcmoocs7@ramanujan.du.ac.in](mailto:rcmoocs7@ramanujan.du.ac.in)**

## REGISTRATION DETAILS

### REGISTRATION FEES

INR 550/- (Non-Refundable)

### PROCESS

\*Payment can be done through UPI/NEFT to the below mentioned account

Account Name: Principal, Ramanujan College  
Account Number: 0156000100585618  
Bank & Branch: Punjab National Bank, Kalkaji  
IFSC: PUNB0015600  
MICR Code: 110024052

**First step:** Participants need to fill up the online application form with all

required details within the final date of submission. Late applications will not be entertained. The final date of submission is 4<sup>th</sup> June, 2020.

**Second Step:** After successful registration, the participants will receive a final confirmation and invitation letter on 6<sup>th</sup> June, 2020.

You are at this stage also requested to download and install Telegram App either from play store or app store and thereafter join this group, the link for the group is: <https://t.me/joinchat/EPAD2A695zaxV3zXLvqC1g>

### **FDP RULES**

- ❖ The FDP begins on 8<sup>th</sup> June, 2020. Details of programme will be sent to the participants later.
- ❖ As the FDP is being organized under the prestigious PMMMNMTT scheme of MHRD, we at TLC, Ramanujan College give prime importance to willing and serious participants who are eager to learn. In this context, it should be noted that certificates will be awarded to only those participants who will be present online and engaged during each session of the FDP. Therefore, it is compulsory for participants to attend all the online sessions in order to receive certificate of participation. It is also required for a participant to score a minimum of 40% in quizzes and also at least 90% of assignments should be submitted to avail the program completion certificate.
- ❖ All participants have to send an online feedback for each session.

### **TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE DIRECTOR**

DR. S. P. AGGARWAL (PRINCIPAL)

### **ASSISTANT DIRECTORS**

DR. SUMIT NAGPAL, Assistant Professor, Department of Mathematics  
DR. NIKHIL RAJPUT, Assistant Professor, Department of Computer Science  
DR. VIBHASH KUMAR, Assistant Professor, Department of Commerce and  
Management Studies

### **Teaching Learning Centre Ramanujan College**

(Accredited Grade 'A' by NAAC)

University of Delhi

H Block, Kalkaji, New Delhi -110019

Ph:+91-11-26430192

**Email:** [rcmoocs7@ramanujan.du.ac.in](mailto:rcmoocs7@ramanujan.du.ac.in)

**Website:** <http://www.ramanujancollege.ac.in>





Government of India  
Ministry of Human Resource  
Development

*Teaching Learning Centre  
Ramanujan College  
University of Delhi*

Sponsored by  
MINISTRY OF HUMAN RESOURCE DEVELOPMENT  
PANDIT MADAN MOHAN MALAVIYA  
NATIONAL MISSION ON TEACHERS AND TEACHING

*Certificate*

*This is to certify that*

**Dr. Premal Ramesh Deore**

*of*

S.P.H.Mahila Mahavidyalaya, Malegaon

has successfully completed One Week Faculty Development Programme on  
*"Open Source Tools for Research" from June 08 - June 14, 2020.*



**Dr. S.P. AGGARWAL**  
(Principal)

**Mr. Sahil Pathak**  
(Convenor)



*Rajan*  
(PRINCIPAL)  
**ACTING PRINCIPAL**  
M.P.H. Mahila Mahavidyalaya  
Malegaon Camp 423105 (Nashik)