## Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching
### Schedule of the Induction Training Programme
#### Venue: LC 102, Lecture Hall Complex, Near KReSIT, IIT Bombay
MCQ based quiz every day from 9:00 to 9:30am

<table>
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| 1   | Roles and responsibilities of faculty / academics in higher education | Tue 28 N. | - Evolution of the Higher Education sector of India  
- History of ones own University  
- The role and contribution of different Universities contribution to the Higher Education sector  
- Understanding Roles and responsibilities:  
  - The University Act and Legislation and its impact on the Higher Education sector  
  - Education reforms of the 21st century  
  - Current trends of global higher education and its influence on the Indian higher education system | 8:30-9:00 - Registration  
9:00-9:30 - Inaugural by Director  
9:30-10:30 - Tea  
10:30-11:45 - State of higher education by Prof. Rangan Banerjee  
11:45-12:45 - Responsibilities of a teacher by Prof. D. B. Phatak  
12:45-2:15 - Lunch  
2:15-3:30 - Course structure and conduct  
3:30-3:45 - Tea  
3:45-4:45 - CEP/QIP by Prof. Ravindra Gudi |
| 4   | Pedagogic techniques & teaching and learning methods | Wed 29 N. | - Inclusive approaches of teaching and learning  
- Conventional, non-conventional and innovative methods of teaching | Side-by-side learning of ICT topics through Spoken Tutorials, by Prof. Kannan Moudgalya  
General purpose FOSS (LibreOffice, L\LaTeX, Scilab, etc.) through self learning through spoken tutorials, by KM and Team |
| 3 E | Curriculum design and content development | Thu 30 N. | - ICT based assessment methods  
- Role of ICT tools in teaching and learning  
- Content development (print and e-content) and making it more sustainable through MOOCs | Creation of Spoken Tutorials by Mrs. Nancy Varkey and team  
Dubbing of Spoken Tutorials by Mrs. Nancy Varkey and team |
| 8   | ICT: effective use of technology for teaching, learning and evaluation | Fri Sat 1 D. 2 D. | - Digital Classroom and teachers preparation  
- ICT based teaching methods  
- ICT based assessment methods  
- Role of ICT tools in teaching and learning | MOODLE course by Dr. Indira Koneru for two days |
| 2   | University structure and functioning | Mon 4 D. | - National Academic Governance, Communication and Accreditation  
- University Act, Statutes and Ordinances  
- University Authorities  
- Officers University  
- University Structure  
- College Structure and Administration | 9:30-11:00 - University System of India - History, Structure and Organization by Mr. D. K. Ghosh  
11:00-11:15 - Tea  
11:15-12:45 - University Act, Statutes and Ordinances by Mr. D. K. Ghosh  
12:45-2:15 - Lunch  
2:15-3:30 - University structure by Prof. N. Ramachandran  
3:30-3:45 - Tea  
3:45-5:00 - Current trends of global higher education and its influence on the Indian higher education system by D. K. Ghosh |
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| 3 E | Curriculum design and content development | 1 Tue 5 D. | • Understanding curriculum and its design  
• Content Development and digital resources  
• Online Resources and Networking  
• Best Practices  
• Inclusion of spatial and cultural milieu  
• Awareness about copyrights/patents | • 9:30-10:45 - Course design by Prof. Uday Gaitonde  
• 10:45-11: - Tea  
• 11:15-12:45 - Online resources by Prof. Mangala Sunder  
• 12:45-2:15 - Lunch  
• 2:15-2:45 - Collaborative content creation by Prof. KM  
• 2:45-3:30 - Clickers, pickers, flipped class experiment, KM  
• 3:30-3:45 - Tea  
• 3:45-5:00 - Patent / copyright by Dr. Padma Satish |
| 4 | Pedagogic techniques & teaching and learning methods | 1 Wed 6 D. | • Changing definition of pedagogy and constructive methodology  
• Praxis of disciplinary learning  
• Level of learning (Blooms taxonomy, Mager approach, RCM approach)  
• Micro teaching  
• Teaching and learning material development  
• Lesson planning  
• Skills of teaching (core teaching skills, subject based teaching skills, target group teaching skills etc.) | • 9:30-11:00 - Prof. Jayashree Shinde  
• 11:00-11:15 - Tea  
• 11:15-12:45 - Prof. Jayashree Shinde  
• 12:45-2:15 - Lunch  
• 2:15-3:00 - Curriculum committees and processes, by Prof. Supratim Biswas  
• 3:00-4:00 - How to write research proposals, research papers and presentations by KM  
• 4:00-4:15 - Tea  
• 4:15-5:00 - Instruction material, by Madhulika Goyal |
| 6 E | Research in higher education | 1 Thu 7 D. | • Understanding of research (types, forms, methods, techniques etc.)  
• Conducting interdisciplinary research  
• Writing research proposals  
• Research proposal and Budgeting  
• Formulation of Detailed Project Report (DPR)  
• Writing good research reports  
• Carving out good research publication  
• Dissemination of knowledge  
• Integration of research with pedagogy  
• Patent and relating issues | • 9:30-11:00 - Discipline based education research, by Prof. Ritayan Mitra  
• 11:00-11:15 - Tea  
• 11:15-12:15 - Funding agencies by Dr. Padma Satish  
• 12:15-12:45 - Discussion, to be led by KM  
• 12:45-2:15 - Lunch  
• 2:15-3:30 - Research methods by Pr. Sachin Patwardhan  
• 3:30-3:45 - Tea  
• 3:45-5:00 - Research methods by Prof. Sachin Patwardhan |
| 10 E | University governance and administration | 1 Fri 8 D. | • University Administration  
• Governance  
• Introduction to University rules and regulations, financial regulations (FR) and procedures  
• Service Conditions  
• Career Advancement  
• Entitlements and benefits  
• Academic administration for Differently-abled  
• Diversity related issues  
• Gender  
• Grievance redressal and policy of Non-discrimination  
• Work Place Related Issues | • 9:30-10:30 - Misuse of IT in an academic institution by Prof. Varsha Apte  
• 10:30-11:30 - Anti ragging by Prof. Soumyo Mukherji  
• 11:30-11:45 - Tea  
• 11:45-12:45 - Vigilance Committee by Prof. Ali Contractor  
• 12:45-2:15 - Lunch  
• 2:15-3:15 - Gender issues by Dr. Sanjyot Pethe  
• 3:15-3:30 - Tea  
• 3:30-4:00 - Student Counsellor Mrs. Tagare  
• 4:00-5:00 - Faculty Forum by Prof. C. V. Tomy |
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| 1   | Roles and responsibilities of faculty / academicians in higher education | 1 Sat 9 D. | • Helping local governing bodies  
• Inclusive education  
• Nonformal education  
• Reaching the unreached | 9:30-11:00 Introduction to Centre for Policy Studies and CTARA, by Prof. Satish Agnihotri  
11:00-11:15 Tea break  
11:15-12:30 Case studies in agro and rural industry, by Prof. N. Shah  
12:30-2:00 Lunch break  
2:00-2:50 University and development agenda, by Prof. Milind Sohoni  
2:50-3:10 Tea break  
3:10-3:50 Planning and development, by Pooja Prasad  
3:50-5:00 Spoken Tutorials for skills training, KM and team |
| 5   | Assessment and evaluation | 1 Mon 11 D. | • Understanding the difference between assessment and evaluation  
• Logic of assessment of learning  
• Forms of assessment  
• Subject based different methods of diversified assessments  
• Objective development of tools of assessment  
• Levels and framing of questioning  
• Objective development of evaluative criteria for assessment  
• Objectification of the subjective aspects of learning for better assessment | 9:30-11:00 - Assessment: For what purpose? How to do it well? Part 1, by Prof. Sahana Murthy  
11:00-11:15 Tea break  
11:15-12:45 - First session, ctd. - Part 2  
12:45-2:15 Lunch  
2:15-3:15 SAFE application by Prof. Bhaskar Raman  
3:15-4:00 Using Knack Al to Discover Individual and Group Talents, Mr. V. Mahesh  
4:00-4:15 Tea break  
4:15-5:00 Creative Commons, by Prof. Shishir Jha |
| 7 E | Personal-emotional development and counselling | 1 Tue 12 D. | • Conceptualizing Identity:  
• Understanding students with Diversity:  
• Stress and time management  
• Counselling strategies for better personal and class adjustment  
• Emotional intelligence at work | 9:30-11:00 by Behaviour in the classroom by Prof. Pooja Purang  
11:00-11:15 Tea break  
11:15-12:45 Designing a questionnaire by Dr. Sohinee Ganguly  
12:45-2:15 Lunch break  
2:15-3:30 Library search by Prof. Uma Kanjilal  
3:30-3:45 Tea break  
3:45-5:00 Accreditation by Prof. Pradeep Varma |
| 4   | Pedagogic techniques & teaching and learning methods | 1 Wed 13 D. | • Changing definition of pedagogy and constructive methodology  
• Praxis of disciplinary learning  
• Level of learning (Blooms taxonomy, Mager approach, RCM approach)  
• Micro teaching  
• Teaching and learning material development  
• Lesson planning  
• Skills of teaching (core teaching skills, subject based teaching skills, target group teaching skills etc.) | 9:30-11:00 Technological pedagogical and content knowledge, by Prof. Chandan Dasgupta  
11:00-11:15 Tea break  
11:15-12:45 Think, pair, share, by Prof. Sridhar Iyer  
12:45-2:15 Lunch  
2:15-3:30 Preparing for a conventional class by Prof. D. B. Phatak  
3:30-3:45 Tea break  
3:45-5:00 Pedagogy by participants |
| 9 E | E-content development and MOOCs | 1 Thu 14 D. | • Content Development and digital medium  
• Online Resources and Networking  
• Best Practices | 9:30-10:30 T10KT by Prof. D. B. Phatak  
10:30-11:30 IITBombayX by Prof. D. B. Phatak  
11:30-11:45 Tea break  
11:45-12:45 Bodhi Tree by Prof. Kameswari Chebrolu  
12:45-2:15 Lunch break  
2:15-3:15 Automated evaluation by Prof. Varsha Apte  
3:15-3:30 Tea break  
3:30-4:00 Spoken Tutorial as a MOOC by Prof. Kannan Moudgalya  
4:00-5:00 Viewing creations by participants |
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| 8   | I C T: effective use of technology for teaching, learning and evaluation | 1 Fri 15 D. | • Digital Classroom and teachers preparation  
• ICT based teaching methods | • 9:30-11:00 Digital medium and inclusiveness by Prof. D. Parthasarathy  
• 11:00-11:15 Tea break  
• 11:15-12:45 MOOCs content creation by Dr. Kalpana Kannan and team  
• 12:45-2:15 Lunch break  
• 2:15-2:45 Plagiarism check by Prof. Bhaskar Raman  
• 2:45-3:30 How to do webcast and related topics by Mr. Sajjan Dixit  
• 3:30-6:00 Tea, followed by SW installation |
| 9 E | E-content development and MOOCs           | 0.5 Sat 16 D. | • Best Practices                                              | • 9:30-10:45 Teachers training at all levels: An experiment at IISc, by Prof. M. S. Hegde  
• 10:45-11:00 Tea break  
• 11:00-12:45 Workshop, as per details below  
• 2:15-5:30 Workshop on Scilab, Python, R, OpenFOAM, eSim, OpenModelica, DWSIM, Osdag, Avagadro, Arduino: 2 to 3 topics to be selected by the participants  
• 4:00-4:15 Tea break in between |
| 8   | I C T                                      | 1 Mon 18 D. | • Exposure to more open source software                      | • 9:15-10:30 Using R for statistical calculations by Dr. Sohinee Ganguly  
• 10:30-11:00 Importance of FOSS by KM  
• 11:00-12:45 Git by Prof. Madhu Belur  
• 2:15-3:30 Spoken Tutorial based Training, by Ms. Shyama Iyer and team  
• 3:30-3:45 Tea break  
• 3:45-5:00 Free Plane by Dr. Rani Parvathy  
• 5:00-6:15 Presentation of 7 topics by college teachers |
| 11  | Academic leadership                       | 1 Tue 19 D. | • Key strategies and skills for effective leadership  
• Developing organization aspiration and strategy for growth  
• Visionary leadership in HE: From vision to strategy: Strategic roadmap  
• Conceptualizing different models of academic leadership  
• Understanding role of academic heads in enhancing higher education  
• Accountability towards delivering work in time  
• Understanding market based developments related to employability of the students | • 9:30 - 11:00 Academic leadership by Prof. Ashish Pandey  
• 11:00 - 11:15 Tea break  
• 11:45 - 12:45 Previous session continued by Prof. Ashish Pandey  
• 12:45 - 2:15 Lunch break  
• 2:15 - 3:00 Training & Placement by Prof. Ravi Sinha  
• 3:00 - 4:00 Entrepreneurship by Mr. Ashank Desai and Mr. Uday Mehta  
• 4:00 - 4:15 Tea break  
• 4:15 - 5:15 How to give a lecture by Prof. Sunoj Raghavan |
| 12 E| Strategic planning and management         | 1 Wed 20 D. | • Strategic Planning  
• Understanding work planning and its management  
• Understanding dynamic status of faculty members and enrolled students in the institutions  
• Coping mechanism with work  
• Strategy of inter and intra university coordination | • 9:00 - 9:30 Moodle founder Martin’s talk  
• 9:30 - 10:45 Strategic planning by Prof. Ashish Pandey  
• 10:45 - 11:00 Tea break  
• 11:15 - 12:30 Previous session continued by Prof. Ashish Pandey  
• 12:30 - 2:00 Lunch break  
• 2:00 - 2:45 Research Park by Prof. Rajesh Zele  
• 2:45 - 3:30 SINE by Prof. Milind Atrey  
• 3:30 - 5:00 Closing |