

### Curriculum Vitae

**Presently, Dr. Mohd Mamur Ali is working as Assistant Professor at Department of Teacher Training and Non-formal Education, IASE, Faculty of Education, Jamia Millia Islamia (A Central University), New Delhi.** He is also contributing as Academic Counsellor in Indira Gandhi National Open University (IGNOU), Maulana Azad National Urdu University (MANUU) and Centre for Distance and Open Education (CDOE), Jamia Millia Islamia for Teacher Education programmes. His areas of specialization include Computers in Education and ET/ICT and his areas of interests include Educational Research, Mathematics Education and Teacher Education.



**Dr. Ali** has more than 15 years' experience in teaching, research and development at school, institute and university level. Before joining Jamia Millia Islamia, New Delhi in February, 2020, he worked as Assistant Professor in NCERT from August, 2013 to February, 2020. He has done M.Sc. (Computer Science), B. Ed., M. Ed., M. Phil (Education), Ph. D. in Education, and qualified NET in Education. He has presented research papers at national and international fora and he has to his credits more than 15 articles, chapters and research papers in ICT and Mathematics Education in Edited Books, National and International journals.

Dr. Ali has contributed in the development of curriculum documents, chapters in edited books, NCERT textbook on ICT for class IX (Coordinator of this NCERT textbook), delivered more than 50 lectures/invited talks, presented more than 15 research papers/articles in the area of ICT in Education and Mathematics Education in National and International seminars/conferences. He has delivered few keynote addresses, panel discussions and chaired the technical sessions in National and International seminars/conferences. He has also delivered 7 Live Talk on "Kishore Manch" a SWAYAM PRABHA DTH TV channel. He was the programme coordinator of School MOOCs at NCERT, development and maintenance of NCERT websites and NCERT mobile Apps, digitalization of NCERT Textbooks and adding QR codes into NCERT Textbooks, development of ICT textbook for class IX etc. He was a National Resource Person on integration of ICT in Teaching, Learning and Assessment in the **NISHTHA** training programme in the States/UTs.

He visited the Ministry of Education, Mauritius in 2017 as NCERT delegate as a part of collaboration between the Government of Mauritius and NCERT towards improving the quality of school education.



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## 9. Details of Academic Work

### (i) Curriculum Development

- D. El. Ed. Curriculum of Meghalaya in 2015
- B. Ed. curriculum revision committee, IASE, Faculty of Education, Jamia Millia Islamia for paper ‘Critical Understanding of ICT’ and ‘Pedagogy of Computer Science’
- B Ed syllabus enrichment in 2021

### (ii) Courses taught at Postgraduate and Undergraduate levels

- P.G. Classes (in years) : 8 years  
U.G. Classes (in years) : 8 years
- D.El.Ed., B.Ed. and M.A. Education In IASE JMI since Feb 2020.
  - D.El.Ed., B.Ed. In IASE JMI (as guest faculty for five years, 2008 -2013)
  - M. Arch (Pedagogy) – Educational Technology paper in evening shift, in Faculty of Architecture and Ekistics), Jamia Millia Islamia as guest faculty for five years (2008 - 2013)
  - B. Ed. Semester 1 and 3 students in NERIE, NCERT Shillong
  - Delivered Lectures during face to face program
    - Diploma in guidance and counseling in NERIE, NCERT (2013-2015)
    - IGNOU Study Centre, Jamia Millia Islamia for B.Ed. & M.Ed. Students (2010 - 2013) and (2020 – till date)
    - Arjun Singh Centre for Distance and Open Learning, JMI for B.Ed. & M.A. Education students (2010 - 2013) and (2020 – till date)

### (iii) Projects guided at Postgraduate level

### (iv) Other contribution(s)

## MOOCs and eContent Development

1. Programme Coordinator for development of 27 MOOCs in school education for classes XI and XII and MOOCs for teachers  
<https://swayam.gov.in/explorer?category=SCHOOL>
2. Co-Coordinator and Resource Person for development of ICT curriculum for teachers and students (Induction and Refresher courses for teachers and Student course)  
<https://ictcurriculum.gov.in/course/index.php?categoryid=2>  
<https://ictcurriculum.gov.in/course/index.php?categoryid=29>
3. **A video lecture on Module 11 Graphics and Multimedia Software for ARPIT course on ICT in Teacher Education course on SWAYAM developed and run by AMU Aligarh.**  
<https://archive.swayam.gov.in/courses/5283-ict-in-teacher-education>

## Material Development

1. Review of CCE guidelines of North East States
2. Developing Strategies for teaching learning of mathematics for classes I & II, ESMP DEE, NCERT program at Shillong

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3. Evaluation of Hindi Textbook of N.E States at Elementary Level phase I, at SCERT Kohima
4. Supplementary materials for their enrichment Hindi textbooks of Elementary Level and development of (Phase II) at Guwahati
5. Video Program on the component of Early Literacy Programme under SSA
6. Course Module for Certificate Course in Research Methodology in North East RIE, NCERT, Shillong
7. Development of a package for orientation of KRPs of Mizoram on NCFTE 2009 and new regulation of NCTE 2014

### **Resource Person in Workshops for development of e-resources in**

- Mathematics for Secondary Stage' 26-30 September, 2016.
- Science for Upper primary Stage' 3-7 October, 2016.
- Science for Upper primary Stage' 29 August - 2 September, 2016.
- Science for Secondary Stage' 5-9 December, 2016.
- Science for Secondary Stage' 13-17 Feb., 2017.
- Yoga, 7-10 March, 2017.
- Social Science' 9-13 January, 2017.
- Elementary Education (Mathematics)' 28 November, to 1 December 2016.
- Science for Upper primary Stage' 7-11 November, 2016.
- Languages 19-23 august 2019

### **16. Participation in Workshops/ Symposia/ Conferences/ Colloquia /Seminars/ Schools etc. (mentioning the role)**

Date (s)	Title of Activity	Level of Event (International/ National/ Local)	Role (Participant/ Speaker/ Chairperson, Paper presenter, Any other)	Event Organized by	Venue
	Capacity Building of SCERT and DIET Faculty Members and Key Resource Persons (KRPs) of Arunachal Pradesh on Programme Evaluation	Regional	Resource Person	NCERT	Itanagar, Arunachal Pradesh
20-23	Capacity	Regional	Resource	NCERT	Guwahati,

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November, 2013	building program on CCE for North East States		Person		Assam
03/02/2017	International Conference on Digital Technology in Education	International	Key note address	Institute of Vocational Studies	New Delhi
03/02/2017	International Conference on Digital Technology in Education	International	Chairperson of Technical Session	Institute of Vocational Studies	New Delhi
15.06.2017 to 25.06.2017.	10 days Induction Training program for DM School teachers in Basics of ICT	National	Resource Person	NCERT	Bhopal
August 17-18, 2019	Journey of Teacher Education: Local to Global	International Seminar	panelist	NCTE	Manekshaw Auditorium New Delhi.
15-17 March 2019	ICT Integration in Education	National	Co-Chairperson of Technical Session	Regional Institute of Education, Bhopal	Bhopal
18 march 2020	Online workshop on developing e-resources for teaching and learning	National	Development of video and creating Interactive Presentations	<b>Teaching Learning Centre</b> of SLBSNS University, (Central University) New Delhi under PMMMNTT scheme, Ministry of Education, GOI.	Online
22 May, 2020	Webinar series on ICT	National	<b>Invited Talk</b>	CIET-NCERT, New Delhi	Online

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	skills		<b>Creating Interactive video using H5P</b>		
7th July 2020	Online Capacity Building Workshop for the Secondary and Senior Secondary Level teachers of Jamia Schools	Local	Resource Person  Topic: An overview to ICT Initiatives of MHRD, GoI specific to School Education	Faculty of Education, Jamia Millia Islamia, New Delhi	Online
22nd July 2020	Online Capacity Building Workshop for the Pre-primary and Elementary teachers of Jamia Schools	Local	Resource Person  Topic: An overview to ICT Initiatives of MHRD, GoI specific to School Education	Faculty of Education, Jamia Millia Islamia, New Delhi	Online
24 July, 2020	Workshop on Lesson Planning in Social Science for Online Teaching	Local	Resource Person  Topic: OERs for Social Science Teaching	Faculty of Education, Jamia Millia Islamia, New Delhi	Online
25 July, 2020	Workshop on Lesson Planning in Language for Online Teaching	Local	Resource Person  Topic: OERs for Language Teaching	Faculty of Education, Jamia Millia Islamia, New Delhi	Online
25 July, 2020	Workshop on Lesson Planning in Science for Online Teaching	Local	Resource Person  Topic: OERs for Science Teaching	Faculty of Education, Jamia Millia Islamia, New Delhi	Online
21 September,	National e-workshop on	National	Invited Talk “Creating	Department of Education,	Online

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2020	ICT Pedagogical Skills During COVID-19		Interactive Resources using H5P”	AMU Aligarh	
7 October 2020	Online workshop on advanced features of MS Office	National	Invited Talk Creating Interactive Presentations	<b>Teaching Learning Centre</b> of SLBSNS University, (Central University) New Delhi under PMMMMNMTT scheme, Ministry of Education, GOI.	Online
9-11 October, 2020	Nation Online Seminar	National	Chairperson of Technical Session	Azim Premji University and Jamia Millia Islamia	Online
8 Feb 2021	Online workshop on MOOCs development and delivery	National	Invited Talk “Learning through MOOCs”	UGC HRDC AMU Aligarh	Online
11 March 2021	Workshop on Data analysis and reference Management tools in research	National	Chief Guest and Key Note Speaker	Vidyawati Mukund Lal Girls College, Ghaziabad, UP	Online
16 march 2021	Workshop for Development of eContent for State Resource Persons (SRGs) of States/ UTs	National	Invited Talk: Evaluation of eResources	CIET-NCERT, New Delhi	Online

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## Resource Person/Training Programs Organized

1. National Resource Person on integration of ICT in Teaching, Learning and Assessment in the **NISHTHA** training in the States/Uts-

- All UTs and Goa, 9-16 June, 2019
- Delhi, 3 - 7 September, 2019
- Gujarat, 23 - 27, September, 2019
- Himachal Pradesh, 19-22 October, 2019
- Uttarakhand, 29<sup>th</sup> October to 2<sup>nd</sup> November, 2019
- Punjab, 24 – 28 November, 2019

## Invited Talk/Lectures delivered

Several Invited talk/lectures delivered in the Capacity Building on Online Teaching-learning of School teachers, teacher educators etc since February, 2020.

1. Presented ICT initiatives in the National consultation meet of Madarsa officials on 5th September, 2019
2. Workshop on “Online Curriculum design” in National Conference on Online Curriculum held from 13-14th Jan, 2108 organised by S.K.J Somaiya College, Mumbai.
3. Workshop on “ICT in Education and Learning” in Jain Vishwa Bharti University Ladnun, Rajasthan (10 to 12 February 2018)
4. Delivered Lectures in the Workshop organized by Department of TT &NFE, F/O Education, Jamia Millia Islamia Delhi
  - a. **ICT in Pre-School Education** for B Ed (Nursery Education) Students on October 4, 2012.
  - b. **Pedagogical Uses of Technology in Education** for B Ed Students on May 21, 2012.
  - c. **Team Teaching, Peer Learning and Co-operative Learning** for B Ed Students on 30 November, 2011.
  - d. **Uses of Educational Technologies in Classroom Instruction** for B Ed Students on 28 November, 2011.
  - e. **Uses of Multimedia in Education** for B Ed Students on June 6, 2011.
  - f. **One day Workshop** on Computer Assisted Instruction (CAI) for B Ed Students (IGNOU) on May, 23 2011.
5. **Resource Person** for all three days in **Three (3) days Workshop** on SPSS in Research, organized by Department of TT & NFE, IASE, Jamia Millia Islamia Delhi for Ph D Scholars
  - a. 29th November, 2010 – 1<sup>st</sup> December 2010.
  - b. 25-27 April 2011
  - c. 23-25 November, 2011
6. **Resource Person** for two days in **Two (2) days Workshop** on SPSS in Research, organized by Manav Rachna University, Faridabad, Haryana for M Ed Students from 19-20 May, 2011.



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7. Lectures delivered on “ICT in education initiatives/ Integration of ICT in education/School MOOCs on SWAYAM” in Training of Vice principals of NVS
8. Training of Key resource Persons of North East Region on Education of Children with special needs at elementary level from 11-25 March 2015.
9. Workshop on “reviewing the progress and capacity building of SSA/SCERT/DIET official” from 16-20 Feb. 2015.
10. Five day orientation workshop for Master Trainers in Mathematics and Science from 15-19 September 2014
11. Training of BR and CR persons on Teaching-Learning of Science, Mathematics, and Social Science at Elementary Level from 9-13 March 2015.
12. Orientation of DIET faculty of NE Region for Improvement of Science and Mathematics Education at Upper Primary Stage, 23-27 Feb. 2015 at NERIE Shillong
13. Capacity Building on the Use of ICT in Teaching-Learning of Science and Mathematics at Secondary Level for North East States at NERIE Shillong.
14. Orientation of SCERT and DIET Faculty Members of Sikkim on NCFTE, 2009 and New Regulation of NCTE 2014
15. Training of NERIE faculty, students and technical persons on Development of e-contents, Technical Operation and Maintenance
16. Training of SRG of State on ICT in Education and Learning at CIET
17. Master trainers training, conducted from 20th to 24th June, 2016 for the State of Delhi
18. Training on ICTs in Education and Learning for Teachers and Teacher Educators of Jammu and Kashmir State 9-13 Jan.2017
19. Capacity Building of State Resource Group of Sikkim from 20-24 September 2015, at Gangtok
20. Training program for Librarian of KVS/NVs 6-10 Feb 2017 (session on 10 Feb)at CIET-NCERT, New Delhi
21. Invited talk on ICT initiatives to the Foreign delegates (South African countries, Afghanistan, Nepal etc.) in NUEPA programme
22. “ICT Capacity building in Subject Specific Tools” organised by Govt of Andhra Pradesh
23. Training on ICTs in Education and Learning for Teachers and Teacher Educators of Chandigarh
24. Lectures/Counseling sessions in One week internship of M.Ed. students of RIE Bhopal at CIET
25. Lectures/Counseling sessions in three day internship of Indonesian students at CIET-NCERT New Delhi

### 17. Workshops/ Symposia/ Conferences/ Colloquia/Seminars Organized (as Chairman/ Organizing Secretary/ Convenor / Co-Convenor)

Title of Activity	Level of Event (International/ National/ Local)	Date (s)	Role	Venue
Digitisation of Course Material and development of videos in	Local		Co-Coordinator	Bhopal

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PSSCIVE Bhopal				
Training on Early School Mathematics Project under SSA	Regional	15-20 September, 2014	Co-Coordinator	Shillong
ICT Competencies Development for Key Resource Persons to use ICT in Teaching-Learning Process	Regional	27th Oct-5th Nov. 2014	Coordinator	NERIE, Shillong
ICT Competencies Development for Key Resource Persons to use ICT in Teaching-Learning Process	Regional	16th Feb.-20th Feb. 2015	Coordinator	NERIE, Shillong
Workshop to review/recording course modules for MOOCs	Local	15-16 February, 2016.	Coordinator	CIET-NCERT, Delhi
Workshop for to review/develop course modules for MOOCs (Massive Open Online Courses) for Senior Secondary School Education	Local	7-8 July, 2016.	Coordinator	CIET-NCERT, Delhi
Follow up study of the Capacity Building Programme in Science and Mathematics conducted by NCERT	Regional	20-22 July, 2016	Co-Coordinator	NERIE, Shillong
Workshop to review/recording course modules for MOOCs	Local	27-30 July, 2016.	Coordinator	CIET-NCERT, Delhi
Review of ICT Course for teachers and students held on	National	4th Aug to 5th Aug, 2016	Co-Coordinator	CIET-NCERT Delhi
Workshop to review/recording course modules for MOOCs	Local	7-9 September, 2016.	Coordinator	CIET-NCERT, Delhi
Workshop to review/recording course modules for MOOCs	Local	26-30 September, 2016.	Coordinator	CIET-NCERT, Delhi
Workshop to review/recording course modules for MOOCs	Local	6-7 October, 2016.	Coordinator	CIET-NCERT, Delhi
Workshop to review/recording course	Local	23-24 January,	Coordinator	CIET-NCERT,

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modules for MOOCs		2017.		Delhi
Development of ICT course content for students and teachers	National	27th Feb to 3rd Mar, 2017	Co-Coordinator	CIET-NCERT Delhi
Workshop to review/recording course modules for MOOCs	Local	22-24 March, 2017	Coordinator	CIET-NCERT, Delhi
Workshop to review course modules for MOOCs	Local	10-12 April, 2017	Coordinator	CIET-NCERT, Delhi
Workshop to review/recording course modules for MOOCs	Local	24-26 April, 2017	Coordinator	CIET-NCERT, Delhi
Development of ICT course content for students and teachers	National	1.5.2017 to 5.5.2017	Co-Coordinator	CIET-NCERT Delhi
Workshop to review course modules for MOOCs	Local	8-9 May, 2017	Coordinator	CIET-NCERT, Delhi
Workshop to review course modules for MOOCs	Local	12-15 June, 2017	Coordinator	CIET-NCERT, Delhi
Workshop to review course modules for MOOCs	Local	26-28 July, 2017	Coordinator	CIET-NCERT, Delhi
Workshop to review course modules for MOOCs	Local	7-18 August, 2017	Coordinator	CIET-NCERT, Delhi

### 18. Invited Talks delivered

#### Invited Live session on SWAYAM Prabha “Kishore Manch” DTH TV Channel

Topic	Date	Inviting Organization
Use of ICT in Teaching-Learning	2nd August, 2019	<b>NCERT New Delhi</b>
FOSS in Education	11th September, 2019	<b>NCERT New Delhi</b>
Smart search-CC	23rd July, 2019	<b>NCERT New Delhi</b>
Integration of E - Resources with Textbooks	April 9, 2019	<b>NCERT New Delhi</b>
ICT Integration in Teaching-Learning and Assessment	12th September, 2019	<b>NCERT New Delhi</b>
Let's Be Safe Online	5th February, 2019	<b>NCERT New Delhi</b>
Online learning through MOOCs	8 <sup>th</sup> February, 2018	<b>NCERT New Delhi</b>

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### 20. Academic Foreign Visits

Country	Duration of Visit	Programme
Mauritius	18 – 22 December, 2017	NCERT delegates visited the Ministry of Education, Mauritius from 17 - 22 December, 2017 as part of the collaboration activity. This collaboration aimed at creation of an OER platform, digitization of textbooks and development of a mobile app for Mauritius. The team explored innovative pathways to integrate ICT in Education. On 22 December, 2017, a Memorandum of Understanding (MoU) was signed between the Government of Mauritius and NCERT towards improving quality of school education.

### 21. Publications

#### (A) Refereed Research Journals:

Author(s)	Title of Paper	Journal	Volume (No.)	Page numbers	Year	Impact Factor of the Journal (Optional)
Ali, M.M.	<i>Professional Development of Teachers with ICT</i>	Indian Journal of Educational Technology  (ISSN 2581-8325)	Vol. 1 (1)	30-37	2019	
Ali, M.M.	<i>Free and Open Source Software (FOSS) as a Tool for Joyful Learning in Mathematics</i>	Awadh Journal of Information Technology and Education (ISSN 2277-8985).	Vol. 6 (2)	17-26	2017	
Ali, M.M.	<i>Students' Understanding of Elementary Algebra in Indian School</i>	Journal of Modern Education Review (ISSN 2155-7993)	Vol. 3, No. 1	48-54	2013	

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Ali, M.M.	<i>Work Experience Education in Elementary Teacher Education: A Study of DIETs</i>	Journal of Education and Pedagogy	Vol. IV, No 1	47-54	2012	
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### (B) Conferences/Workshops/Symposia **Proceedings**

Author(s)	Title of Abstract/ Paper	Title of the Proceedings	Page numbers	Conference Theme	Venue	Year
Ali, M.M.	<i>Connectivist Approach of Learning with ICT</i>		997-1002	International Education Conference on Learning Technologies in Education	Jamia Millia Islamia New Delhi	2015
Ali, M.M.	<i>Role of ICTs in Achieving the Goals of Right To Education in India</i>		346-354	International Education Conference on Education as a Right Across the Levels: Challenges, Opportunities and Strategies	Jamia Millia Islamia New Delhi	2014
Ali, M.M.	<i>Students' solving Processes of Linear Equations at Elementary Stage</i>	National Initiative on Mathematics Education		National Conference on Mathematics Education	HBCSE Mumbai	2012
Ali, M.M.	<i>Major Issues of ICT Integration in School Education in India</i>			International Conference on Innovations and Advancements in ICT	GBU Greater Noida	2012

### (C) Books & Monographs **NCERT Textbooks**

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1. Coordinator and member of development team of NCERT Textbook on Information and Communication Technology for class IX (ISBN 978-93-5292-118-8)
2. Coordinator and member of development team of NCERT Textbook on Information and Communication Technology for class X (under publication)

### **Chapters in Edited Books**

1. Chapter “*Blended Learning in Indian School: Prospects and challenges*” in the Book edited by Anamika Rajput, Garima Tyagi and Kanchan Saxena, entitled “Emerging Issues & Challenges in Education: Global & Indian Perspective” Vol I pp.259-266
2. Chapter “*Work Experience Education in Teacher Education*” in the Book edited by Loknath Mishra, entitled “Teacher Education: Issues and Innovation” published by Atlantic Publishers, 2013 pp.226-240 (ISBN 8126918217).
3. Chapter “ITDC-401 Database Concepts –RDBMS Tool” in in Manual on Information Technology Vol- II Class XII 2015-16 published by SCERT Delhi (ISBN No : 978-93-85943-14-0)
4. Chapter “ITDC-402 Operating Web Based Applications” in Manual on Information Technology Vol- II Class XII 2015-16 published by SCERT Delhi (ISBN No : 978-93-85943-14-0)

### **Member in the Committee/Board**

1. Research Advisory Committee of DIET RK Puram Delhi in 2021
2. Jury Member in the review of papers/articles for International Conference on ICT in Education conducted by CIET, NCERT in 12-13 march 2021.
3. Reviewer in the Online Workshop for the Review of Manuscripts submitted to Indian Journal of Educational Technology (IJET) for the January 2021 issue . 16-25 January 2021
4. Reviewer of the Indian Journal of Educational Technology (IJET) since August 2021