

MES College of Engineering

✉ mansoorp@mesce.ac.i

Lecture Type

Regular

Date Of Joining

09-01-2008

Dr. MANSOOR P.

Asst. Professor at MATHEMATICS

ACADEMIC BACKGROUND

- **Ph.D. in Mathematics from Bharathiar University- 2023.**
- **M.Phil Mathematics from Annamalai University- 2008**
- **M.Sc Mathematics from University of Calicut - 2005**
- **B.Ed Mathematics from University of Calicut- 2006**
- **B.Sc Mathematics from University of Calicut- 2002**

AREAS OF INTEREST

**Graph Theory, Numerical Analysis,
Complex Analysis, Differential Equations.**

SIGNIFICANT PUBLICATIONS

1. **P Mansoor, A. Sadiquali, "An iP_2 extended star graph and its harmonious chromatic number", Journal of applied Mathematics and informatics, Vol. 41(Nov 2023), No. 6, pp. 1193 - 1207. (ISSN:2734-1194E-ISSN:2234-8417)**
2. **Thiagarajan, K., Mansoor, P. "Erudition on Ladder Network and Prolonged Ladder Network - Semigraph Approach." International Journal of Innovative Technology and Exploring Engineering 8.8 (2019): 1096-1098.**
3. **K. Thiagarajan, P. Mansoor, Some Bounds for the Sum of Domination Number and Chromatic Number of Network Graphs in Terms of Number of Edges, International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8 Issue-7, May 2019, Pages 1087-1089.**
4. **K. Thiagarajan, P. Mansoor, A Cram on the Prolonged Network of Star Grid, International Journal of Recent Technology and Engineering (IJRTE) ISSN: 2277-3878, Volume-7 Issue-6S2, April 2019, Pages 385-387.**

5. K. Thiagarajan, P. Mansoor, Expansion of Network through SEMINODE, IOSRD International Journal of Network Science, Volume 1, Issue 1, November 2017, Pages 7-11.
 6. K. Thiagarajan, P. Mansoor and K. Umanath, The Cn+ Graph and Incidence Matrix, International Journal of Pure and Applied Mathematics, Volume 117 No. 21, Special issue, 2017, 689-697.
 7. K. Thiagarajan, P. Mansoor, Complete Network Thorough Folding And Domination Technique, International Journal of Applied Engineering Research, ISSN 0973-4562, Vol. 10 No.39 (2015).
 8. A. Sasirekha, K. Thiagarajan and P. Mansoor "Folding and Domination in Network Engineering", Proc. ISTE conference on "Innovations in Engineering Education and Research", India, 2014, 2-3.
- (<https://drive.google.com/drive/folders/1nguuFALVi17ZjguV5efvYBPNUnTraWWx?usp=sharing>)

EXPERIENCES/MERITS

- Coordinating a MOOC on Numerical Methods under the SWAYAM platform of the Ministry of Education, Government of India, for the July-December 2025 session. (https://onlinecourses.swayam2.ac.in/cec25_ma24/preview)
- Coordinated a MOOC on Industrial Mathematics under the SWAYAM platform of the Ministry of Education, Government of India, for the Jan-July 2025 session. (https://onlinecourses.swayam2.ac.in/cec25_ma05/preview)
- Coordinated a MOOC on Numerical Methods under the SWAYAM platform of the Ministry of Education, Government of India, for the July-December 2024 session. (https://onlinecourses.swayam2.ac.in/cec24_ma19/preview)
- Served as the Course Coordinator for a Massive Open Online Course (MOOC) on Calculus, offered under the SWAYAM platform of the Ministry of Education, Government of India, during the January-June 2024 session. (https://onlinecourses.swayam2.ac.in/cec24_ma10/preview).
- Served as an article reviewer for the International Journal of Foundations of Computer Science, indexed in the Web of Science.
- Worked as a Technical Program Committee (TPC) member for the 10th International Conference on Frontiers of Intelligent Computing: Theory and Applications (FICTA 2022) Organized by Department of Computer Science & Engineering, National Institute of Technology Mizoram, India June 18 - 19, 2022.
- Served as Course Coordinator for offering a Massive Open Online Course (MOOC) on Numerical Methods under SWAYAM MOOC

platform (Jan 2023 section)
(https://onlinecourses.swayam2.ac.in/cec23_ma05/preview)

- Worked as Translator for translating the book titled "Linear algebra and calculus for CSE Branches" under AICTE.
- Working as Translator for translating various courses offered by IIT's under NPTEL from 2019 onwards.
(<https://drive.google.com/drive/folders/1uO6XNLqBQ9zefHtqV65Abdur2hd-geAJ?usp=sharing>)
- Subject expert for preparing Mathematics questions under AICTE Students Learning Assessment Program (ASLAP) 2019.

(https://drive.google.com/drive/folders/1fFfOafzHSmXe5Q_QfVE0C0o8W3d52oXW?usp=sharing).

- Served as Course Coordinator for offering a Massive Open Online Course (MOOC) on Mathematical Analysis under SWAYAM MOOC platform of MHRD of India during 2019-20.
(https://onlinecourses.swayam2.ac.in/cec21_ma05/preview)
- Served as Principal Investigator (PI) for offering a Massive Open Online Course (MOOC) on Calculus under SWAYAM MOOC platform of MHRD of India.
(https://drive.google.com/drive/folders/1s13LOKK3px-xrn35lgrY_FP17kmj6TDG?usp=sharing)
- Served as Subject Expert for the development of e- content modules in various topics of Mathematics for the Consortium for Educational Communication (CEC), an Inter University Centre set up by the University Grants Commission of India during 2011-2014.
(https://drive.google.com/drive/folders/1s13LOKK3px-xrn35lgrY_FP17kmj6TDG?usp=sharing)
- Presented a number of e- content modules at EMMRC, University of Calicut in Mathematics for CEC, an Inter University Centre set up by the University Grants Commission of India during 2011-2014.
(https://drive.google.com/drive/folders/1s13LOKK3px-xrn35lgrY_FP17kmj6TDG?usp=sharing)
- Served as Resource Person to deliver a number of lectures at EMMRC, University of Calicut for the DTH Swayam Prabha channel (a group of 32 DTH channels devoted to telecasting of high-quality educational programmes on 24X7 basis using the GSAT-15 satellite) of MHRD India during 2017-18.
(https://drive.google.com/drive/folders/1s13LOKK3px-xrn35lgrY_FP17kmj6TDG?usp=sharing)
- Acted as Observer for various examinations of A.P.J Abdul Kalam Kerala Technological University (KTU) in the academic year 2017-18.
- Acted as Question Paper Setter for various examinations of A.P.J Abdul Kalam Kerala Technological University (KTU) during 2017-18.
- Acted as Question Paper Scrutinizer for various examinations of A.P.J Abdul Kalam Kerala Technological University (KTU) in the academic year 2017-18.

- **Worked as lecturer in the Department of Mathematics, Farook Arts and Science College (affiliated to University of Calicut), Kottakkal during 2007-2008.**
- **Served as Lecturer in the Dept of Mathematics, MESCE Kuttippuram from Jan 2008 to July 2011.**
- **Promoted as Assistant Professor in Mathematics on August 2011.**

ACHIEVEMENTS

Selected for the role of English Language Editor at NPTEL to translate transcripts of various MOOC courses into multiple Indian languages.

Received a certificate of Appreciation from the Management of MES College of Engineering in recognition of achieving excellent pass percentage during the academic year 2016-17.

Recognized with a memento from the Management of MES College of Engineering for achieving 100% result during the academic year 2015-16.

Received a certificate of Appreciation from the Management of MES College of Engineering in recognition of excellent performance during the academic year 2014-15.

Received best performer certificate for online Covid 19 Quiz conducted by National Health Mission, Kerala.

Received certificate for E-Quiz of Big M2 - Math Minds conducted by the Department of Mathematics with Computer Applications, Dwaraka Doss Goverdhan Doss Vaishnav College Chennai.

(https://drive.google.com/drive/folders/1U-KoUexsrPtvbJ_cKhaqfEjtNDndP_57?usp=sharing)

OTHER DUTIES/RESPONSIBILITIES

- **Secretary, PTA Executive committee.**
- **Member, Anti-Ragging Committee of the College- 2014 onward**
- **Department Coordinator, IQAC 2021 onwards.**
- **Department Coordinator, Internal Audit Cell- 2015-2021 onwards**
- **Department Time Table Coordinator- 2015 onwards**
- **General Coordinator, First year B.Tech- 2017 onwards**
- **Course Chairman for MA101-Calculus & MA102-Differential Equations of First year B.Tech program 2015 onwards.**
- **Acted as Coordinator for Two days Workshop on RANDOM PROCESS AND APPLICATIONS conducted by the Department of Mathematics, MESCE on 26th and 27th October 2016.**
- **Served as Series test coordinator during 2012-2014.**

- **Served as Coordinator for Disciplinary Committee, MESTECH 2011.**
- **Acted as Question Paper Scrutinizer for various examinations at college level.**

PAPERS PRESENTED

'The Extended Star graph and associated colour variables'- International conference on algebra and discrete mathematics organized by Dept. Of Mathematics, Savitribai phule Pune University on May 26-28, 2022.

'SOME BOUNDS FOR THE SUM OF DOMINATION NUMBER AND CHROMATIC NUMBER OF NETWORK GRAPHS IN TERMS OF NUMBER OF EDGES'- National Conference on Emerging Trends in Mathematics organized by Department of Mathematics, SA Engineering College, Chennai on 20th December 2018.

'Expansion of Network Through Semi Node'-International Conference On Emerging Techniques In Engineering, Science And Management organized by IOSRD On 25th &26th November 2016, Coimbatore.

'Complete Network Thorough folding and Domination Techniques'- International conference on Future trends in Engineering & Technology during 7th & 8th April 2015 held by Department of Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul, Tamilnadu.

'Folding And Domination In Network Engineering'-ISTE Regional Conference On Innovations In Engineering Education & Research During 14th And 15th November 2014 At Rajalakshmi Engineering College, Chennai.

FDPS/WORKSHOPS/TRAINING PROGRAMS ATTENDED

- **NEP2020 Orientation and Sensitization Programme (MMC-049-2025-JUNE- B- 03293) under Malaviya Mission Teacher Training programme (MM-TTP) of UGC organized by UGC Malaviya Mission Teacher Training Centre (MMTTC), University of Calicut from 17.06.2025 to 26.06.2025.**
- **FDP on 'Computing in STEM' organized by Department of Electronics and communication Engineering Kuttippuram from 02.12.2024 to 06.12.2024.**
- **AICTE Training And Learning (ATAL) Academy Faculty Development Program on RESILIENT INFRASTRUCTURE FOR CYCLONE PRONE AREAS at SSM INSTITUTE OF ENGINEERING AND TECHNOLOGY from 03/02/2025 to 08/02/2025.**

- **Short term training program on Effective article writing and presentation using LaTeX held at Moulana Azad National Institute of Technology Bhopal during 3-5 June 2024.**
- **Faculty Development Program on Exploring dynamics of National education policy 2020 (with reference to NAAC perspectives) jointly organised by Research Foundation of India and RFI-Care from 18-26 March 2024.**
- **National level Online Faculty Development Program on Outcome Based Education and Essential AI Tools for Teachers organised by Internal Quality Assurance Cell (IQAC), Carmel College (Autonomous), Mala in association with The Kerala State Higher Education Council During 10th to 18th August 2023 (7 days).**
- **Online workshop on Demonstration and understanding the tools/indices of web of science USA on 28.10.2020**
- **Workshop on Plagiarism An opportunity to learn, Teach & excel, Dept. of bioresources, Kashmir University on 24.06.2020**
- **Six days online workshop on Initiation into Linear Algebra organized by Reserch and Postgraduate Department of Mathematics, Marthoma College Thiruvalla on 28.09.20 to 03.10.2020.**
- **Four day FDP on Application of Mathematics in Engineering conducted by Dept. of Mathematics, KPR Institute of technology Coimbatore from 25.08.20 to 28.08.20**
- **AICTE Training and Learning (ATAL) online FDP on Sensors Technology conducted by St. Joseph's Institute of Technology Chennai during 17.08.2020 to 21.08.2020.**
- **One day workshop on " Plagiarism- An opportunity to Learn, Teach and Excel" organized by Dept of Bioresources, University of Kashmir on 24th June 2020.**
- **Online training "IEEE Xplore Digital Training" organized by MES College of Engineering Kuttippuram on 24th June 2020.**
- **One Day Orientation Workshop on DTH Swayam Prabha Channels held by EMMRC, University of Calicut on 5th October 2018.()**
- **One Day Workshop on Intellectual Property Rights Organized by IPR Cell, MES Innovation Centre and Patent informationcente, Kerala State Council for Science, technology and Environment on 11th July 2018.**
- **One Day Workshop on Educational Television Production For DTH Swayam Prabha Channel-8, Physical and Earth Sciences Organized by EMMRC, University of Calicut on 13th July 2017.**
- **Two Days Faculty Development Program on Teaching and Learning Skill Development organized by MES College of Engineering Kuttippuram on 5th and 6th July 2017.**
- **Two Days National Workshop On Computational Intelligence, Matlab And Latex organized By Department of Mathematics, Mother Teresa Women's University Kodaikanal On March 14-15, 2017.**
- **National Workshop on Computer Algebra Systems, a project on use of free open source software for teaching Mathematics,**

Bhaskaracharya Pratishthan, Pune during 27th to 31st January 2011.

- (https://drive.google.com/drive/folders/1U-KoUexsrPtvbJ_cKhaqfEjtNDndP_57?usp=sharing)

PERSONAL DETAILS

Address: Pullani House, Othukkungal P.O., 676528, Malappuram Dt., Kerala, India- 676528.

E-mail: mansoorpullaniokl@gmail.com

Mob. No.: 9037250791

CONFERENCES/SEMINARS/SHORT COURSES

International Seminar on Excellence in Education and Research Held from January 27 to 28-2025, Organized by MES College of Engineering Kuttippuram, in collaboration with University of Technology & Applied Sciences, Oman

International conference on Applied Mathematics and Nano Science (ICAMN 2024) organized by Dept. Of Applied sciences and Humanities, Vidya Academy of Science and technology, Trissur, kerala on Jan 23-25, 2024.

International colloquium 2023 "Global Opportunities for interdisciplinary Research for Sustainable Development", Dept of Electrical and Electronics Engg, MESCE Kuttippuram on 03.08.2023.

International conference on algebra and discrete Mathematics organized by Dept. Of Mathematics, Savitribai phule Pune University, Delhi on May 26-28, 2022.

Webinar on 'Algebraic structures' organized by Dept. Of Mathematics & IQAC, NAM College Kallikkandy, on 11th Feb 2021

Three day International web conference on signed graphs and allied areas (ICSGAA-2020), Dept. of mathematics, Central university of Kerala, Kasargod on 07.09.2020 - 09.09.2020

International webinar on "Media in cyber Era: Reporting the strategic Environment in south Asia" organized by Prajyothi Niketan College, Pudukad on 31st July and 1st August 2020.

A short course on Learn to design your own solar home system" conducted by Energy swaraj foundation in association with MESCE Kuttippuram during June-July 2020.(Certificate received on 05.07.2020)

National Conference on Emerging Trends in Mathematics organized by Department of Mathematics SA Engineering College, Chennai on 20th December 2018.

International Conference on Advances in Applicable Mathematics conducted by Department of Mathematics, Bharathiar University, Coimbatore on 7th and 8th December 2017.

International Conference On Emerging Techniques In Engineering, Science And Management organized by IOSRD On 25th & 26th November 2016, Coimbatore.

UGC Sponsord National Seminar on Functional& Harmonic Analysis organized by Department of Mathematics, PSMO College Tirurangadi, Kerala on 16th to 18th March 2016.

National Conference on Modern aspects of Theoretical and Applied Mathematics organized by Department of Mathematics, PSNA College of Engineering and Technology, Dindigul, Tamilnadu on 9th and 10th April 2015.

International Conference on Future trends in Engineering & Technology during 7th & 8th April 2015 held by Department of Mechanical Engineering, PSNA College of Engineering and Technology, Dindigul, Tamilnadu.

ISTE Regional Conference On Innovations In Engineering Education & Research During 14th And 15th November 2014 At Rajalakshmi Engineering College, Chennai.

National Seminar on Foundations of Mathematical Analysis organized by Department of Mathematics, PSMO College Tirurangadi, Kerala on 23rd and 24th November 2011.

National Conference on Linear Algebra, Wavelets and Applications, National Institute of Technology, Calicut during 29th November to 3rd December 2010.

National Conference on Analysis and Graph Theory 2007, Bharathidasan University, Tamilnadu.

National Conference on Graph Theory, Algorithm and their Applications, Annamalai University 2008, Tamilnadu.

(https://drive.google.com/drive/folders/1U-KoUexsrPtvbJ_cKhaqfEjtNDndP_57?usp=sharing)