

# MOHAMMED ABDUL KHAYYOOM M

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PRESENT ADDRESS Asst Professor, Department of Mathematics,  
Govt.College, Mokeri,  
Kozhikkode - 673507

DATE OF BIRTH 09-11-1979

JOB STATUS Post: Asst. Professor  
Dept: Collegiate Education  
State: Kerala

OBJECTIVE I seek to utilize the knowledge acquired in Mathematics, Education, Computer Science, Psychology and soft skills so as to integrate my abilities in new direction of creativity and logical thinking.

CITIZENSHIP INDIA

RESEARCH INTERESTS Graph Theory- Distance and Domination  
History of Mathematics

## EDUCATION

- Ph.D Mathematics, (Alagappa University (Submitted))
  - Supervisor: Dr. P. Arul Paul Sudhahar
  - Area of Study: Edge Monophonic Domination Concepts in Graphs.
- M.Phil, Mathematics, August 2005 (Bharathidasan University )
  - With "Distinction" Grade
  - Thesis Topic: *A Study on Selected Mathematical Models on Population Genetics*
  - Adviser: Dr.A.R Mohamed Ismail
  - Area of Study: Operation Research
- M.Sc, Mathematics, May 2002 (University of Calicut)
  - *First class* with an aggregate of 64.2%
  - Studied at DGM MES College, Mampad, Malappuram
- B.Sc, Mathematics, April 2000 (University of Calicut)
  - *First class* with an aggregate of 79.6%
  - Studied at MEASS Science College, Areacode, Malappuram
- B.Ed, Mathematics, April 2004 (University of Calicut)

- *First class* with an aggregate of 61.2%
  - Studied at CUTEC Manjeri, Malappuram
- Pre-Degree **First Group**, May 1997 (University of Calicut)
- *First class* with an aggregate of 61%
  - Studied at Govt. College, Malappuram
- SSLC , April 1995 (Board of Secondary Education, Govt. of Kerala)
- *First class* with an aggregate of 75.2%
  - Studied at Pandallur HSS, Pandallur, Malappuram

#### CERTIFICATION

- \* National Eligibility Test (NET-Mathematics) June 2011,
  - Board: CSIR
- \* State Eligibility Test (SET-Mathematics) January 2005
  - Board: Dept: Higher Secondary Education
- \* NLP Practitioner
- \* Transactional Analysis (TA 101)

#### TECHNICAL SKILLS

Extensive Hardware and Software skill

#### GEOMETRIA

Programming: BASIC, FORTRAN, PASCAL, COBOL, C++, Tally

Computer Applications:  $\text{\TeX}$  ( $\text{\LaTeX}$ ,  $\text{\BIBTeX}$ ), most common productivity packages (for Windows and Linux platforms),

Operating Systems: Microsoft Windows family, Linux.

Designing: Adobe Photoshop

#### MATHEMATICAL EXPERTISE

#### ADMINISTRATIVE EXPERTISE

- \* Higher Secondary School Principal,
  - Institutions: (1) HMS HSS Manjeri, Malappuram (2008-09)
  - (2) KIDMATH HSS Edakkulam, Malappuram (2009-10)

#### TEACHING EXPERIENCE

- \* HSST in Mathematics
  - Institution: CRHSS Velimukku, Malappuram (2005-06)

- \* Guest Lecturer in Mathematics
  - Institution:Unity Womens College Manjeri, Malappuram(2006-08)
- \* HSST in Mathematics
  - Institution:Dept.Of Higher Secondary Education, Govt. of Kerala (2010-2017)
- \* Assistant Professor in Mathematics
  - Institution:Collegiate Education, Govt.of Kerala (2017 onwards)

#### TRAINING EXPERTICE

- \* Resource Person,soft skill training provided dy DHSE
- \* National Trainer, TREND kerala
- \* Resourse Person, SMF Marital Council, Kerala

#### ORGANISING EXPERTICE

- \* School leader  
PHSS Pandallur,Malappuram(1993-94)
- \* General Secretery,  
Students council,Calicut Univercity TEC,Manjeri(2004-05)
- \* HR Coordinater  
TREND Kerala (2010 on wards)
- \* Council Member  
Jamiya Islamiya Educational institutions (2012 on wards)
- \* Convener  
Mathematics Association Malappuram (2014-2017)
- \* Coordinator  
Sastrayaan 2018 by RUSA  
Govt,. college, Mokeri, Kozhikkode (2018)
- \* Council member in various Non Govermental Organisations

#### PUBLICATIONS

1. P. Arul Paul Sudhahar and M. Mohammed Abdul Khayyoom, *K-Monophonic Number of a Connected Graph*, Journal of Research in Applied Mathematics (ISSN: 2394-0743), Vol. 3 [3], 05-11(2016).
2. P. Arul Paul Sudhahar, M. Mohammed Abdul Khayyoom and A. Sadiquali, *Connected Closed Monophonic Number of Graphs*, Indian J. Res. Found.(ISSN: 2454-6577), 5, 17-21(2016).
3. P. Arul Paul Sudhahar, M. Mohammed Abdul Khayyoom and A. Sadiquali, *Edge Monophonic Domination Number of Graphs*, Journal of Advances in Mathematics (ISSN: 2347 - 1921), Vol.11 [10], 5781-5785 (Jan 2016).

4. P. Arul Paul Sudhahar, M. Mohammed Abdul Khayyoom and A. Sadiquali, *Connected Edge Monophonic Domination Number of a Graph*, International Journal of Computer Applications (ISSN: 0975 - 8887), Vol. 145 [12], 18-21 (July 2016).
5. M. Mohammed Abdul Khayyoom and P. Arul Paul Sudhahar, *Connected Detour Monophonic Domination Number of a Graph*. Global Journal of Pure and Applied Mathematics (ISSN: 0973-1768), Vol 13 [5], 241-249 (2017).
6. M. Mohammed Abdul Khayyoom and P. Arul Paul Sudhahar, *Monophonic Chromatic Parameter in a Connected Graph*, International Journal of Mathematical Analysis (ISSN: 1314-7579), Vol. 11 [19], 911 - 920 (2017).
7. M.Mohammed Abdul Khayyoom and P.Arul Paul Sudhahar. *Edge Detour Monophonic Domination Number of a Graph*. International Journal of Pure and Applied Mathematics ( Accepted ).
8. M.Mohammed Abdul Khayyoom and P.Arul Paul Sudhahar. *Upper Connected Edge Monophonic Domination Number of a Graph* (communicated).
9. M.Mohammed Abdul Khayyoom and P.Arul Paul Sudhahar. *Detour Monophonic Domination Number of a Graph* (Communicated).
10. M.Mohammed Abdul Khayyoom and P.Arul Paul Sudhahar. *Upper Detour Monophonic Domination Number of a Graph*. (Communicated).
11. M.Mohammed Abdul Khayyoom and P.Arul Paul Sudhahar. *Edge Monophonic Chromatic Number of a connected Graph*. (Communicated).

WORKSHOPS  
AND  
CONFERENCE  
ATTENDED

**Workshop on fractals and wavelets** organized by Rajagiri college of Enggeneering and technology, Cochin

**Workshop on Mathematics in SCERT** organized by Department of Higher secondary and SCERT

**Workshop on Spiritual Linguistics Programming** organized by TIPS accademy malappuram

**Workshop on Pedagogy** organized by Collegiate Education, Govt. of Kerala at IMG Kozhikkode 11 May 2018.

**Induction Training Programme** organized by PMMMMNMTE Central University of Kerala, Kasargod from September 4, 2018 to October 5, 2018.

CONFERENCES  
PRESENTATION

1. A paper presented in "*Seminar on International year of light*" Organised by University of Calicut, Kerala with United Nations, at Calicut university.
2. A paper presented in "*International seminar on Mathematics*" Organized by the Ranni Anna Govt. College, Tirunalveli, Tamilnadu
3. A paper presented in "*ICCAM*" Organized by the Stella Maris College, Chennai, Tamilnadu .
4. A paper presented in "*ICDS*" Organized by the Gandhidham University, Dindugal, Tamilnadu .

GENERAL  
PRESENTATION Has Presented 500+ lectures, 100+ Trainings about Mathematics, Child Psychology, Soft skills, Career Orientation, Family Counseling and Education.