



## Department Name : M.Ed Association

Meeting date | time 3/24/2023 3:00 PM | Meeting location IQAC Room

**Meeting called by** Mr. Nowfal C

**Type of meeting** M.Ed Association & IQAC

**Facilitator** Dr. Vijayakumari K

**Note taker** Mr. Anoop

**Timekeeper** Ms. Praseetha

### Attendees

Dr. T Mohammed Saleem

Mr. Nowfal C

Dr. Rekha P

Dr. Vijayakumari K

Mr. Rishad KT

Ms. Praseetha

Mr. Anoop KV

Members of M.Ed Association

## Meeting Agenda

**Date** 24/03/2023 | **Time allotted** 1 | **From** 03:00 am **To** 03:30 am | **Presenter** Mr. Nowfal C

- M.Ed Association decided to conduct an Academic Writing Workshop for the M.Ed and Research scholars on 31<sup>st</sup> March 2023. Dr. Bindu RL, Professor, Department of Education, University of Kerala will be the resource person..

**FAROOK TRAINING COLLEGE**  
RESEARCH CENTER IN EDUCATION, FAROOK COLLEGE  
PO, KOZHIKODE PIN 673632 RECOGNISED BY UGC & NCTE  
(ACCREDITED BY SAAC AT A+ GRADE WITH CGPA 3.39)

**Academic Writing Workshop**

For PG and Research Department

**Resource person :**  
Dr. Bindu R L  
Professor  
Department of Education  
University of Kerala

MMI Hall 31st March 2023  
9:30 am

**FTCiA** Farook Training College  
Innovative Academia

## Report

### Academic Writing Workshop 31<sup>st</sup> March 2023

As a part of M.Ed curriculum Farook Training College conducted an Academic Writing workshop on 31 March 2023 at FTC MMI hall. Dr. Bindu RL, Professor, Department of Education, University of Kerala was the Resource Person to conduct the workshop. The workshop started with prayer by Greeshma, Second-year M.Ed student. The welcome speech was delivered by Dr. Rekha, M.Ed course coordinator. Dr. T. Mohammed Saleem, Principal, FTC was the chair for the inaugural ceremony. 45 M.Ed second year students participated in the workshop. The workshop discussed the style of writing commonly used in academic settings, such as universities and research institutions. Some key features of academic writing was also discussed in the workshop.

The session was concluded by providing various tasks for academic writing for student groups. With the reflections of students, the workshop concluded at 2.00 pm. Anoop. C, M.Ed second-year class representative delivered vote of thanks



## Gallery





Department Name : Student Council

Meeting date | time 10/3/2022 3:00 PM | Meeting location Media Hub

Meeting called by Mr. Fasalul Abid CM

Type of meeting Student Council

Facilitator Ms. Rajitha KV

Note taker Mr. Ashil KM

Timekeeper Dr. Umer Farooque TK

Attendees

Principal

Mr. Fasalul Abid CM

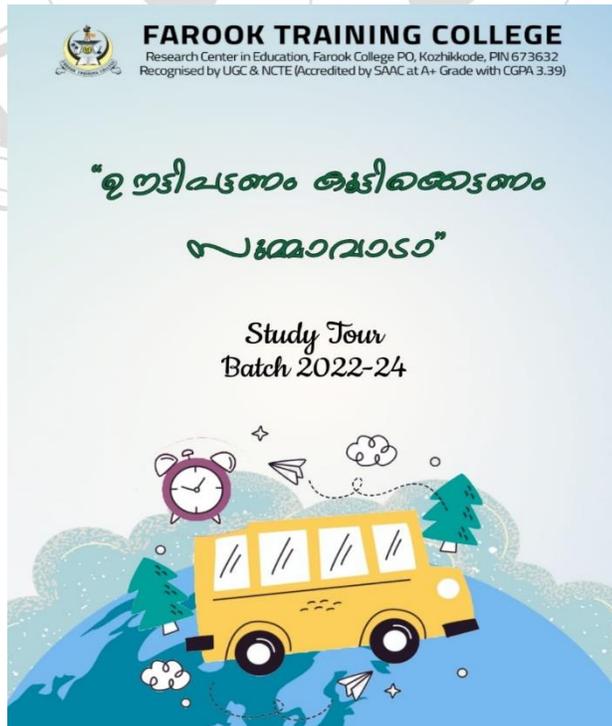
Mr. Rishad KT

Student Council Representatives

Meeting Agenda

Date 10/03/2023 | Time allotted 1 | From 3:00pm To 3.30 pm | Presenter Mr. Fasalul Abid CM

- To conduct B.Ed (2022-24 batch) field trip to Ooty on 13<sup>th</sup> March 2022.



Report

## B.Ed (2022-24) Batch Field Trip to Ooty

13<sup>th</sup> March 2022

As a part of our B.ed curriculum 2022-2024 we the students of farook training college conducted a field trip named "Ooty pattanam kooty kettnam summavdaa" to Ooty on 13-03-23. 1st year B.Ed coordinator Fasalul Abid sir took our leadership of tour. studenty from different department took in charge as different committe.

The journey started on 13<sup>th</sup> saturday 4:30 am at early morning. The first spot was one of the popular view point in Ooty, which is surrounded with tranquil views and stunning landscape. After one hone we moved to next spot which is called 9th mileOoty scenic towers spot 15km away from Ooty.This location to is appeared in many indian movies, which nicknamed as 4th mile as shooting mile medu. It was very hot in there, the whole team returned from spot after a group photo. After having lunch we moved to our final destination to karnataka garden which is the best recreational experience surrounded by unseen bearity all around the Place.It was heretitul scenary all around garden. It was evening since we reached in Botanical garden in ooty which is the largest garden in india, placed for nature lovers around exotic and rare flors streets around botanical garden was filled with touristy. After 8.00 in night we returned from Ooty and every one shared there feedback and experiences which makes the trip memorable, finally we reached in college around 2.00Am.



Gallery



Prepared by Media Cell, FTC



Department Name : IQAC

Meeting date | time 8/3/2023 2:00 PM | Meeting location: IQAC Room

**Meeting called by** Dr. Vijayakumari K

**Type of meeting** IQAC

**Facilitator** Dr. T Mohammed Saleem

**Note taker** Mr. Rishad KT

**Timekeeper** Dr. Aseel Abdul Wahid

**Attendees**

Dr. T Mohammed Saleem

Dr. Umer Farooque T.K

Dr. Vijayakumari K

Mr. Rishad KT

Members of IQAC

Meeting Agenda

Date 08/03/2023 | Time allotted 1 | From 02:00 am To 02:30 am | Presenter D.Vijayakumari K

- To conduct F-Talk on the topic 'Creative Teacher' in favour of Dr. KM Naseer, Principal, Farook College, who is retiring from his service on 22<sup>nd</sup> March 2023 10:00 am at MMI Hall..

## Report

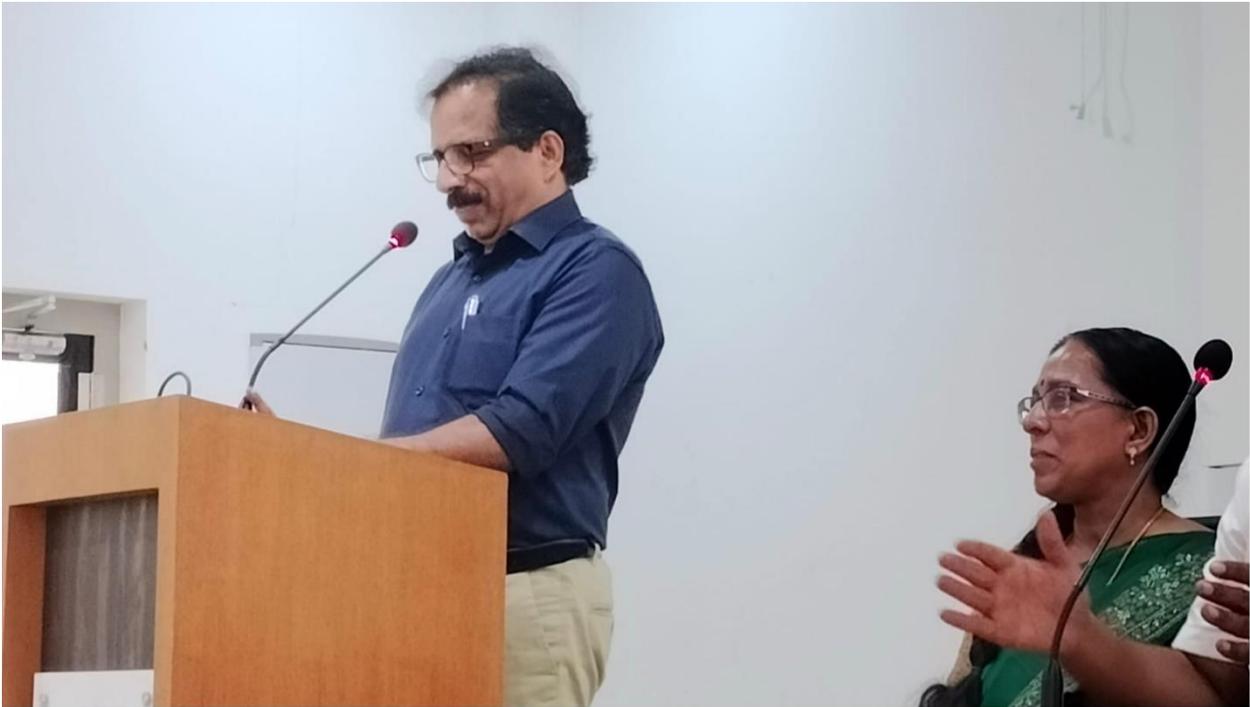
### F-Talk on 'Creative Teacher' 22<sup>nd</sup> March 2023

On 22 March 2022, the Internal Quality Assurance Cell (IQAC) of Farook Training College conducted an F-talk on Creative Teacher. The program was organized to honor Dr. KM Nazeer, the principal of Farook Training College, who is set to retire from his service in May 2023. The F-talk aimed to discuss the importance of creative teaching methods and their impact on students' learning outcomes. The F-talk began with a welcome address by Dr. Vijayakumari K, IQAC Coordinator. Dr. T Mohammed Salieem, Principal made the presidential address. He spoke about the need for innovative and creative teaching methods to engage students and enhance their learning. This was followed by a keynote address by Dr. KM Nazeer, who spoke about his experience as a teacher and the importance of creative teaching methods in promoting effective learning. As a token of love FTC family given a memnto to Dr. KM Nazeer by the Secretary of Farook Training College Mr. Muhammed Younus.

The program concluded with a vote of thanks by Dr. Rishad KT, staff secretary He thanked Dr. KM Nazeer for his contributions to the Farook College and wished him all the best for his future endeavors.



Gallery





Prepared by Media Cell, FTC



Minutes of Meeting

Department Name : IQAC

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Meeting date | time 3/8/2023 2:30 PM | Meeting location: *IQAC Room*

**Meeting called by** Dr. Anees Muhammed C

**Type of meeting** IQAC

**Facilitator** Dr. T Mohammed Saleem

**Note taker** Mr. T Salim

**Timekeeper** Dr. Vijayakumari K

**Attendees**

Dr. T Mohammed Saleem

Dr. Anees Muhammed C

Mr. T Salim

Dr. Vijayakumari K

Ms. Shababath

Ms. Zeenath PV

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## Meeting Agenda

**Date** 08/03/2023 | **Time allotted** 1 | **From** 02:30 am **To** 03:00 am | **Presenter** Dr. Anees Muhammed C

- To conduct One day Workshop on 'Gender Perspectives in Malayalam Language Text Books' in collaboration with Kerala Higher Education Council and IQAC FTC on 14<sup>th</sup> March 2023, 10:00 am.



## Report

**One day Workshop on Gender Perspectives in Malayalam Language Text Books'  
14<sup>th</sup> March 2023**

On 14th March 2023, a workshop on gender perspectives in Malayalam language textbooks was held at Farook Training College. The workshop was inaugurated by Prof Shajahan, Former HoD of Malayalam Department, Farook College. Dr NS Mumtaz chaired the function, and the felicitation was done by Basheer sir, Dr TK Umer Farooq and Dr C Anees Mohammed. The keynote address was given by Mr Mohamed Sareef, who spoke about the importance of including gender perspectives in Malayalam language textbooks. He highlighted the need to address gender stereotypes and biases in textbooks and ensure that they promote gender equality and respect for diversity. The gathering was welcomed by the research scholar T Salim, and Sabanath delivered the vote of thanks. The workshop had a participation of 50 participants from various schools and colleges who actively participated in the discussions and debates.

The workshop aimed to create awareness among the participants about the importance of gender perspectives in language textbooks and to encourage them to integrate gender perspectives in their teaching practices. The participants discussed various issues related to gender, language, and education and shared their experiences and perspectives. Overall, the workshop was a successful event that provided a platform for educators to learn and share their knowledge and experiences on the topic of gender perspectives in Malayalam language textbooks. It is hoped that the insights gained from this workshop will help in the creation of more inclusive and gender-sensitive educational materials that promote equality and respect for diversity.

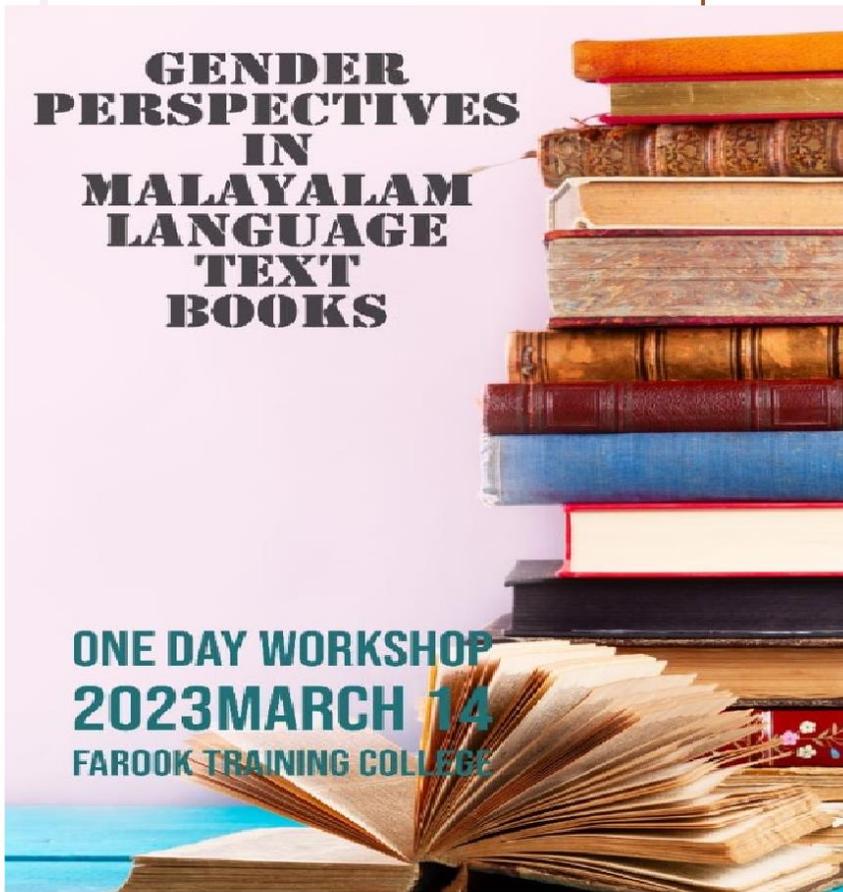


## Gallery









### ഏകദിന ശില്പശാല

'ഭരണഘടനയുടെ ആർട്ടിക്കിൾ 15 അനുസരിച്ച്' മതം, ജാതി, ലിംഗം, വർണം, വർഗ്ഗം, പ്രദേശം എന്നിവയുടെ പേരിൽ വിവേചനം അനുവദിക്കുന്നില്ല. ആർട്ടിക്കിൾ 14 എല്ലാ തരത്തിലുള്ള സമത്വവും വിഭാവനം ചെയ്യുന്നു. നിത്യജീവിതത്തിലുള്ള സാമൂഹിക സൃഷ്ടി സാധ്യമാകണമെങ്കിൽ എല്ലാതരത്തിലുള്ള നീതി ഉറപ്പാക്കണം. ഇതിൽ പ്രധാനമാണ് ലിംഗനീതിയെക്കുറിച്ചുള്ള വിദ്യാഭ്യാസം.

നിലവിലുള്ള സ്കൂൾ മലയാള പാഠപുസ്തകങ്ങളിൽ ഇത് എത്രമാത്രം സാധ്യമായിട്ടുണ്ട് എന്ന് പരിശോധിക്കുന്നതിനായി മലയാളം അധ്യാപകരുടെയും വിദ്യാഭ്യാസ പ്രവർത്തകരുടെയും ശ്രദ്ധേയരായ വിദ്യാർത്ഥികളുടെയും ഏകദിന ശില്പശാല മാർച്ച് 14 ചൊവ്വയ്ക്ക് ഫാറൂഖ് ട്രെയിനിംഗ് കോളേജ് ഓഡിറ്റോറിയത്തിൽ വച്ച് നടക്കുകയാണ്.

1,3,5,7,9,11 ക്ലാസുകളിലെ പാഠപുസ്തകങ്ങളെ അധികരിച്ചാണ് ശില്പശാല.



- സ്വാഗതം : ടി. സലീം (നിസർച്ച് സ്റ്റോളർ)
- അധ്യക്ഷൻ : ഡോക്ടർ ടി. മുഹമ്മദ് സലീം (പ്രിൻസിപ്പൽ ഫാറൂഖ് ട്രെയിനിംഗ് കോളേജ്)
- ഉദ്ഘാടനം : ഡോ. പി സോമനാഥൻ (ഓഫീസർ, HOD കാലിക്കറ്റ് യൂണിവേഴ്സിറ്റി മലയാള വിഭാഗം)
- ആശംസകൾ : ഡോ. ടി കെ ഉമർ ഫാറൂഖ് (നിസർച്ച് കോഡിനേറ്റർ എഫ് ടി സി)
- ഡോ. സി. അനീസ് മുഹമ്മദ് (അസി. ഓഫീസർ എഫ് ടി സി)
- വിഷയാവതരണം : മുഹമ്മദ് ശരീഫ്. കെ (അസി. ഓഫീസർ, എഫ് ടി സി)
- നന്ദി : ശബാനത്ത് എം (പ്രസിഡൻ്റ്, ആർഎസ്എ, എഫ് ടി സി)



# ഫാറൂഖ് ട്രെയിനിങ് കോളേജിൽ ശില്പശാല



ഫാറൂഖ് ട്രെയിനിങ് കോളേജിൽ നടന്ന സംസ്ഥാന തല ശില്പശാല പ്രൊഫ. എ ഷാജഹാൻ ഉദ്ഘാടനം ചെയ്യുന്നു

## ഫറോക്ക്

ഫാറൂഖ് ട്രെയിനിങ് കോളേജ് വിദ്യാഭ്യാസ ഗവേഷണ കേന്ദ്രവും കേരളാ സ്റ്റേറ്റ് ഹയർ എഡ്യൂക്കേഷൻ കൗൺസിലിലും ചേർന്ന് ഫാറൂഖ് ട്രെയിനിങ് കോളേജിൽ 'ലിംഗവീക്ഷണം മലയാള പാഠപുസ്തകങ്ങളിൽ' ശില്പശാല സംഘടിപ്പിച്ചു. കോളേജ് ഹാളിൽ പ്രൊഫ. എ ഷാജഹാൻ ഉദ്ഘാ

ടനം ചെയ്തു. ഡോ. എൻ എം മുംതസ് അധ്യക്ഷയായി. ഡോ. ഉമ്മർ ഫാറൂഖ്, അസി. പ്രൊഫ. ഡോ. സി അനീസ് മുഹമ്മദ്, എം എ ബഷീർ എന്നിവർ സംസാരിച്ചു.

അസി. പ്രൊഫ. കെ മുഹമ്മദ് ഷരീഫ് വിഷയം അവതരിപ്പിച്ചു. ടി സലീം സ്വാഗതവും എം ഷബാനത്ത് നന്ദിയും പറഞ്ഞു.

## ദേശാഭിവാനി

Wed, 15 March 2023

<https://epaper.deshab>



### ലിംഗവീക്ഷണം മലയാള പാഠപുസ്തകങ്ങളിൽ; സംസ്ഥാനതല ശില്പശാല സംഘടിപ്പിച്ചു

ഫറോക്ക്: ഫാറൂഖ് ട്രെയിനിംഗ് കോളേജ് വിദ്യാഭ്യാസ ഗവേഷണ കേന്ദ്രത്തിന്റെയും കേരളാ സ്റ്റേറ്റ് ഹയർ എഡ്യൂക്കേഷൻ കൗൺസിലിന്റെയും സായുക്താഭിമുഖ്യത്തിൽ ഫാറൂഖ് ട്രെയിനിംഗ് കോളേജിൽ ലിംഗ വീക്ഷണം മലയാള പാഠപുസ്തകങ്ങളിൽ എന്ന വിഷയത്തിൽ ഏകദിന ശില്പശാല സംഘടിപ്പിച്ചു.

കോളേജ് ഹാളിൽ നടന്ന ശില്പശാല ഫാറൂഖ് കോളേജ് മുൻ മലയാള വിഭാഗം മേധാവി പ്രൊഫ. എ ഷാജഹാൻ ഉദ്ഘാടനം ചെയ്തു. സീനിയർ ഫാക്കൽട്ടി ഡോ. എൻ എം മുംതസ് അധ്യക്ഷയായി.

ഡോ. ഉമ്മർ ഫാറൂഖ്, ഡോ. സി അനീസ് മുഹമ്മദ്, എം എ



ഫാറൂഖ് ട്രെയിനിംഗ് കോളേജിൽ നടന്ന സംസ്ഥാനതല ശില്പശാല പ്രൊഫ. എ ഷാജഹാൻ ഉദ്ഘാടനം ചെയ്യുന്നു

ബഷീർ എന്നിവർ സംസാരിച്ചു. അസി. പ്രൊഫ: കെ മുഹമ്മദ് ഷരീഫ് വിഷയാവതരണം നടത്തി. വിവിധ സർവ്വകലാശാലകളിൽ നിന്നും കോളേജുകളിൽ

നിന്നുമായി അൻപതോളം പ്രതിനിധികൾ ശില്പശാലയിൽ പങ്കെടുത്തു. റിസർച്ച് സ്റ്റോളർ ടി സലീം സ്വാഗതവും എം ഷബാനത്ത് നന്ദിയും പറഞ്ഞു.



**Department Name : Research Scholars Association(RSA)**

Meeting date | time 3/22/2023 2:00 PM | Meeting location *RSA Room*

**Meeting called by** Dr. Umer Farooque T.K

**Type of meeting** RSA & IQAC

**Facilitator** Dr. Vijayakumari K

**Note taker** Ms. Shaima

**Timekeeper** Ms. Zeenath PV

**Attendees**

Dr. T Mohammed Saleem

Dr. Umer Farooque T.K

Dr. Vijayakumari K

Mr. Rishad KT

Ms. Zeenath PY

Members of RSA

**Meeting Agenda**

**Date** 22/03/2023 | **Time allotted** 1 | **From** 02:00 pm **To** 02:30 pm | **Presenter** D.Umer Farooque TK

- To conduct One day Workshop on SPSS by the Research Scholars Association (RSA) of FTC on 29<sup>th</sup> March 2023. Dr. Muneer V, Assistant Professor of FTC will be the resource person.

**FAROOK TRAINING COLLEGE**  
 Research Centre in Education, Farook College (PO), Kozhikode.  
 Accredited by SAAC at A+ grade with CGPA 3.39  
 University of Calicut

**FTCIA** Farook Training College  
 Innovative Academia

Knowledge Enrichment Programme (KEP)

**ONE DAY WORKSHOP ON SPSS**

**Dr. Muneer V.**  
 Assistant Professor, FTC

29 March 2023  
 @ MMI Hall

9.30 AM

**Organized by Research Scholars Association, FTC**

## Report

### One-day Workshop on SPSS 29<sup>th</sup> March 2023

As the second session of the 'Knowledge Enrichment Programme', the Research Scholars' Association (RSA) of Farook Training College organised a 'ONE DAY WORKSHOP ON SPSS' on 29<sup>th</sup> March 2023, Wednesday. The programme commenced at 9: 30 a.m. in MMI hall of the college, with the welcome speech by Ms. Sabanath M., the president of RSA. The workshop was inaugurated by Prof. (Dr.) Mohamed Saleem T., the principal of FTC. He in his inaugural speech reminded the scholars to explore more possibilities on how to become more productive as researchers. Dr. Umer Farooque T. K., Associate Professor and Research co-ordinator also felicitated in the programme.

The main session began with the introductory talk on SPSS by Dr. Anees Mohammed C., Assistant Professor. The teacher gave the audience a nutshell view on how to use SPSS for basic statistical operations used in educational research. This was followed by the hands-on session on SPSS and it was handled by Dr. Muneer V., Assistant Professor, who gave a detailed class on how to do item analysis, correlation, t-test, ANOVA etc. The workshop came to an end at 2:45 p.m. with the vote of thanks of Mr. Sudheesh, part-time research scholar of FTC.



Gallery





## Department Name : Research & IQAC

Meeting date | time 7/3/2023 3:00 PM | Meeting location IQAC Room

**Meeting called by** Dr. Umer Farooque TK  
**Type of meeting** Research & IQAC  
**Facilitator** Dr. T Mohammed Saleem  
**Note taker** Mr. Rishad KT  
**Timekeeper** Dr. Manoj Praveen G

**Attendees**  
Dr. T Muhammed Saleem  
Dr. Umer farooque TK  
Mr. Rishad KT  
Dr. Vijayakumari K  
Dr. Manoj Praveen G

## Meeting Agenda

**Date** 03/07/2023 | **Time allotted** 1 | **From** 300 pm **To** 3.30 pm | **Presenter** Dr. Umer Farooque TK

- To conduct PhD open defence of Mr. Rishad Kolothumthodi on 20<sup>th</sup> March 2023, 10:30 am at MMI hall. Dr. Sameer Babu, Associate Professor, Jamia Millia University, New Delhi will be the chairman.
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## OPEN DEFENCE & PUBLIC VIVA VOCE EXAMINATION

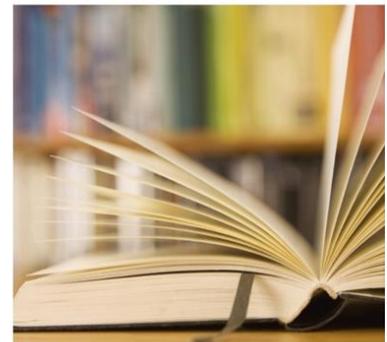
20-03-2023

*Investigator*

Rishad Kolothumthodi  
Research Scholar

*Supervisor*

Dr. Manoj Praveen G.  
Associate Professor  
Dept. of Education  
University of Calicut



## Report

### Report of the Ph. D Open defence & Viva-voce examination of Mr. Rishad Kolothumthodi. 20<sup>th</sup> March 2023

The open defence/ viva-voce examination of Mr. Rishad Kolothumthodi, Part time Research scholar and Assistant Professor of Farook Training College under the guidance of Dr. Manoj Praveen G, Associate Professor, Department of Education, University of Calicut was conducted successfully on 20th June 2022 Monday at 10 A.M at Multimedia Interactive Hall, in the presence of the Chairperson Dr. Sameer Babu. M, Associate Professor, Jamia Millia Islamia, New Delhi. Dr. T. Muhammed Saleem, Principal, Farook Training College presented the welcome note followed by the Introductory address by the Supervisor Dr. Manoj Praveen G, Associate Professor, Department of Education, University of Calicut.

Mr. Rishad Kolothumthodi presented his study titled "Effect of Virtual Learning Environment using Geogebra on Problem Solving Ability in Geometry of Secondary School Students". Mr. Rishad explained all the elements of his research and the process he carried out for completing the research. The presentation was followed by reflections from participants. The Investigator answered all queries and clarification raised by the audience well. Faculty members, academicians and Research scholars of various universities and institutions were present in the session. The chairperson of the open defence concluded the session and recommended the thesis for the award of the degree of Ph.D. in Education and for publication. The program came to an end by 1.00 P.M. Mr. Rishad Kolothumthodi delivered the vote of thanks.

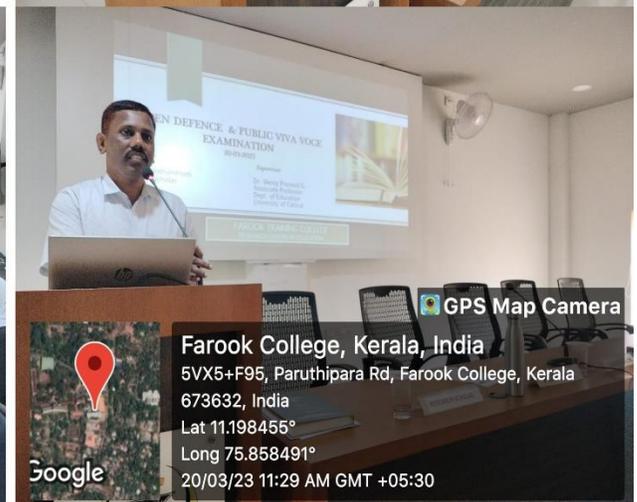
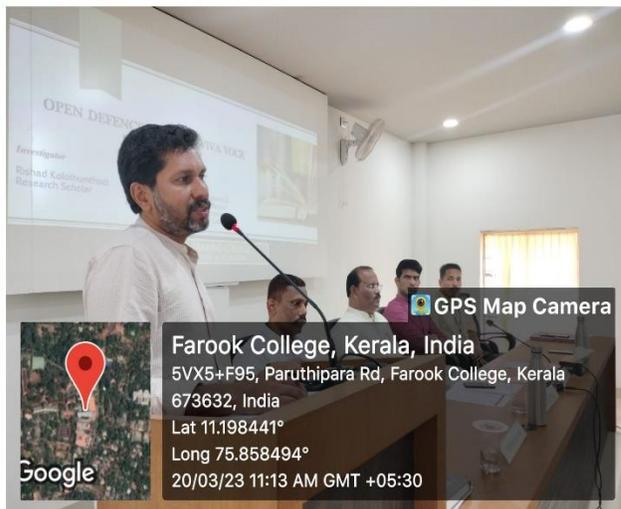
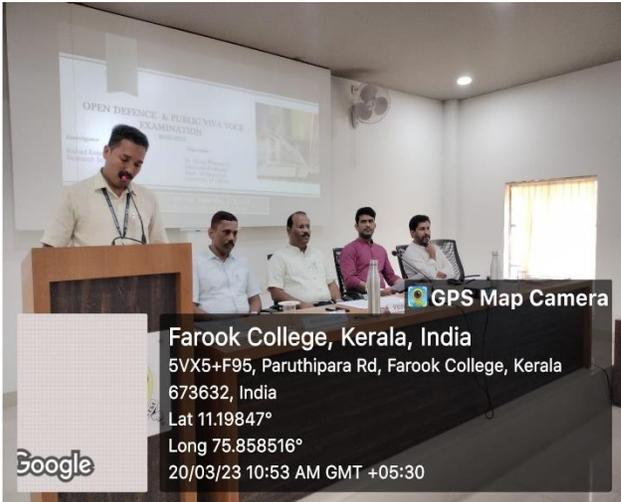


# Gallery









Appendix



## FAROOK TRAINING COLLEGE

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Estd. 1961

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### INVITATION

I would like to invite your kind attention that the Viva-voce and Open Defence on the Ph.D thesis of Mr. Rishad Kolothumthodi, Part time research scholar, under the guidance of Dr. Manoj Praveen.G, Associate Professor, Department of Education, University of Calicut will be held as detailed below:

Title of the study : **EFFECT OF VIRTUAL LEARNING ENVIRONMENT USING GEOGEBRA ON PROBLEM SOLVING ABILITY IN GEOMETRY OF SECONDARY SCHOOL STUDENTS**

Date and Time : **20<sup>th</sup> March 2023 (Monday) at 10.30 am**

Venue : **Multi Media Interactive Hall, Farook Training College**

On behalf of Farook Training College, I solicit your esteemed presence and active participation in the programme.

The thesis will be available in the College Library for reference on 17<sup>th</sup> March 2023 (Friday).

Place : Farook College

Date : 04.03.2023

  
Principal  
Farook Training College  
P.G. Farook College, Calicut

Copy to:-

1. Teachers and students, Department of Education, University of Calicut
2. Teachers and students, School of Pedagogical Sciences, Kannur University
3. Teachers and students, School of Pedagogical Sciences, MG University
4. Teachers and students, Department of Education, University of Kerala
5. Teachers and students, Department of Education, Central University of Kerala, Kasargod
6. Teachers and students, Govt. Brennen College of Teacher Education, Thalassery
7. Teachers and students, Govt. College of Teacher Education, Kozhikode
8. Teachers and students, Institute of Advance Studies in Education, Thrissur
9. Teachers and students, Department of Education, NSS Training College, Ottapalam
10. The Director and Staff, Directorate of Research, University of Calicut.
11. Teachers and students, Farook College
12. Teachers and students, RUA College, Farook College

**EFFECT OF VIRTUAL LEARNING ENVIRONMENT WITH GEOGEBRA  
ON PROBLEM SOLVING ABILITY IN GEOMETRY OF SECONDARY SCHOOL STUDENTS**

**Rihad Kolothumthodi**  
Research Scholar  
Farook Training College

**Dr. Manoj Praveen, G**  
Associate Professor & Research Supervisor,  
Dept. of Education, University of Calicut

In the present study a Virtual Learning Environment using Geogebra was developed and found its effect on Problem Solving Ability in Geometry of Secondary School Students.

**Variables of the study**

**Independent Variable :** Instructional strategy  
Two levels of this variable are

- 1- Virtual Learning Environment with Geogebra
- 2- Conventional Instructional Strategy

**Dependent Variable :** Problem Solving Ability in Geometry.

The dependent variable Problem Solving Ability has the following Components:

- 1. Understanding the Problem
- 2. Mapping the Problem
- 3. Identifying relationships
- 4. Finding Solution

**Control Variable :** Nonverbal Intelligence

**Classificatory Variable :** Gender (Boys/Girls)

**Definition of key terms**

**Virtual Learning Environment**

In this study Virtual Learning Environment refers to an instructional strategy in a digital platform with simulations, Virtual experiments, animated videos, interactive quizzes etc. to teach geometry. Geogebra Applets on geometry are the major element of this instructional strategy

**Geogebra :** Geogebra is an interactive geometry, Algebra, Statistics and Calculus application intended for learning and teaching mathematics at all levels of education

**Problem Solving Ability**

In this study Problem Solving Ability is defined as the Cognitive ability to Understand the problem, Map the problem, identify relationships in the problem and finding the solution to geometric problems

**Brief description of the components**

**Understanding the problem :** Here the learner

- Knows the problem
- Defines the problem
- Understands what is given what is to be found
- **Mapping the Problem :** Here the learner,
  - Visualize the problem
  - Able to represent the problem Graphically
- **Identifying relationships :** Here the learner,
  - Analyze the problem
  - Finds relationship with the given facts and to be found matters
- **Finding the Solution :** Here the learner,
  - Does the necessary calculations
  - Finds final solution

**Geometry**

The branch of Mathematics concerned with the properties and relations of points, lines, surfaces, solids and higher dimensional analogues. (Oxford Concise Dictionary of Mathematics, 2020). In this study Geometry content

from std. IX of secondary School curriculum developed by SCERT, Kerala has been selected.

**Objectives**

**Main Objective**

1. To develop a Virtual Learning Environment using Geogebra on Geometry for Secondary School Students.
2. To find out the effect of Virtual Learning Environment using Geogebra on Problem Solving Ability in Geometry of Secondary School students

**Specific Objective**

1. To find out the effect of Virtual Learning Environment using Geogebra on first component of Problem Solving Ability (Understanding the Problem) in Geometry of Secondary School students for the total group and subgroups based on gender.
2. To find out the effect of Virtual Learning Environment using Geogebra on second component of Problem Solving Ability (Mapping the Problem) in Geometry of Secondary School students for the total group and sub groups based on gender.
3. To find out the effect of Virtual Learning Environment using Geogebra on third component of Problem Solving Ability (Identifying relationships) in Geometry of Secondary School students for the total group and sub groups based on gender
4. To find out the effect of Virtual Learning Environment using Geogebra on fourth component of Problem Solving Ability (Finding solution to the problem) in Geometry of Secondary School students for the total group and sub groups based on gender.
5. To find out the effect of Virtual Learning Environment using Geogebra on Problem Solving Ability (Total) in Geometry of Secondary School students for the total sample and subsamples based on gender.
6. To compare the effect of Virtual Learning Environment using Geogebra and Conventional Instructional strategy on first component of Problem Solving Ability (Understanding the Problem) in geometry of Secondary School Students for the total group and sub groups based on gender when the influence of Non-Verbal intelligence is controlled.
7. To compare the effect of Virtual Learning Environment using Geogebra and Conventional Instructional strategy on second component of Problem Solving Ability (Mapping the Problem) in geometry of Secondary School Students for the total group and sub groups based on gender when the influence of Non-Verbal intelligence is controlled.
8. To compare the effect of Virtual Learning Environment using Geogebra and Conventional Instructional strategy on third component of Problem Solving Ability (Identifying relationships) in geometry of Secondary School Students

for the total group and sub groups based on gender when the influence of Non-Verbal intelligence is controlled.

9. To compare the effect of Virtual Learning Environment using Geogebra and Conventional Instructional Strategy on Fourth Component of Problem Solving Ability (Finding solution to the problem) in geometry of Secondary School Students for the total group and sub groups based on gender when the influence of Non-Verbal intelligence is controlled.
10. To compare the effect of Virtual Learning Environment using Geogebra and Conventional Instructional strategy on Problem Solving Ability (Total) in geometry of Secondary School Students for the total group and sub groups based on gender when the influence of Non-Verbal intelligence is controlled.

#### **Methodology**

**Design :** Quasi experimental pretest – posttest nonequivalent group design

#### **Sample of the study**

Two intact Ninth Standard classes have been selected for the study. Final sample for the study was 90. The experimental group contained 44 students and there were 46 students in the control group.

#### **Tools & Materials used for the study**

- Instructional strategy, Virtual Learning Environment using Geogebra (Rishad & Praveen, 2019)
- Problem Solving Ability Test (Rishad & Praveen, 2019)
- Standard Progressive Matrices (Raven, 1996)
- Lesson Transcripts (Rishad & Praveen, 2019)

#### **Statistical Techniques used for analysis of the data**

- Descriptive Statistics
- Test of significance of difference between mean scores
- Analysis of Covariance (Ancova)
- Bonferroni Test for post hoc comparison

#### **Findings**

1. Virtual Learning Environment using Geogebra is effective to improve the ability of Understanding the Problem in Geometry of Secondary School students. It is true for boys as well as girls.
2. Virtual Learning Environment using Geogebra is effective to improve the ability of Mapping the Problem in Geometry of Secondary School students. It is true for boys as well as girls.
3. Virtual Learning Environment using Geogebra is effective to improve the ability of Identifying Relationships in the Problem in Geometry of Secondary School students. It is true for boys as well as girls.
4. Virtual Learning Environment using Geogebra is effective to improve the ability of Finding Solution to the Problem in Geometry of Secondary School students. It is true for boys as well as girls.
5. Virtual Learning Environment using Geogebra is effective to improve the Problem Solving Ability in Geometry of Secondary School students. It is true for boys as well as girls.
6. Virtual Learning Environment using Geogebra is highly effective than the Conventional Instructional Strategy in improving the ability to understand the problem in Geometry of Secondary School students for the total group and subgroups based on gender when the influence of Non-Verbal Intelligence is controlled.

7. Virtual Learning Environment using Geogebra is highly effective than the Conventional Instructional Strategy in improving the ability to Map the problem in Geometry of Secondary School students for the total group and subgroups based on gender even when the influence of Non-Verbal Intelligence is controlled.

8. Virtual Learning Environment using Geogebra is highly effective than the Conventional Instructional Strategy in improving the ability to Identify Relationships in the problem in Geometry of Secondary School students for the total group and subgroups based on gender even when the influence of Non-Verbal Intelligence is controlled.

9. Virtual Learning Environment using Geogebra is highly effective than the Conventional Instructional Strategy in improving the ability to Find Solution to the problem in Geometry of Secondary School students for the total group and subgroups based on gender even when the influence of Non-Verbal Intelligence is controlled.

10. Virtual Learning Environment using Geogebra is highly effective than the Conventional Instructional Strategy in improving Problem Solving Ability in Geometry of Secondary School students for the total group and subgroups based on gender even when the influence of Non-Verbal Intelligence is controlled.

#### **Educational Implications**

- Though a Teacher can't be replaced, application of Virtual Learning Environments may be encouraged along with face mode of teaching so as to enhance the comprehension of the concepts.
- Application of Geogebra and similar interactive software are to be ensured in the classroom.
- Since Virtual Learning Environments substitute the conventional Classrooms up to an extent and improves their logical and problem solving skills at a higher level, space may be provided for such platforms in the School curriculum frame work.
- Development of Virtual Learning Environments by integrating different software and aiming improvement in different skills has to be made an agenda of Education process.
- Proper training and continuous follow-ups should be arranged for all teachers on Virtual platforms so as to bring big changes in the learners.
- Traditional Chalk and talk method of teaching geometry may be supplemented with customized Interactive Virtual Learning Environments which provides multidimensional comprehension.
- Short Learning Objects that can be used in Virtual Learning Environments should be developed and made available in the public domain which can be used by all teachers and students anywhere at any time.



## Department Name : Research & IQAC

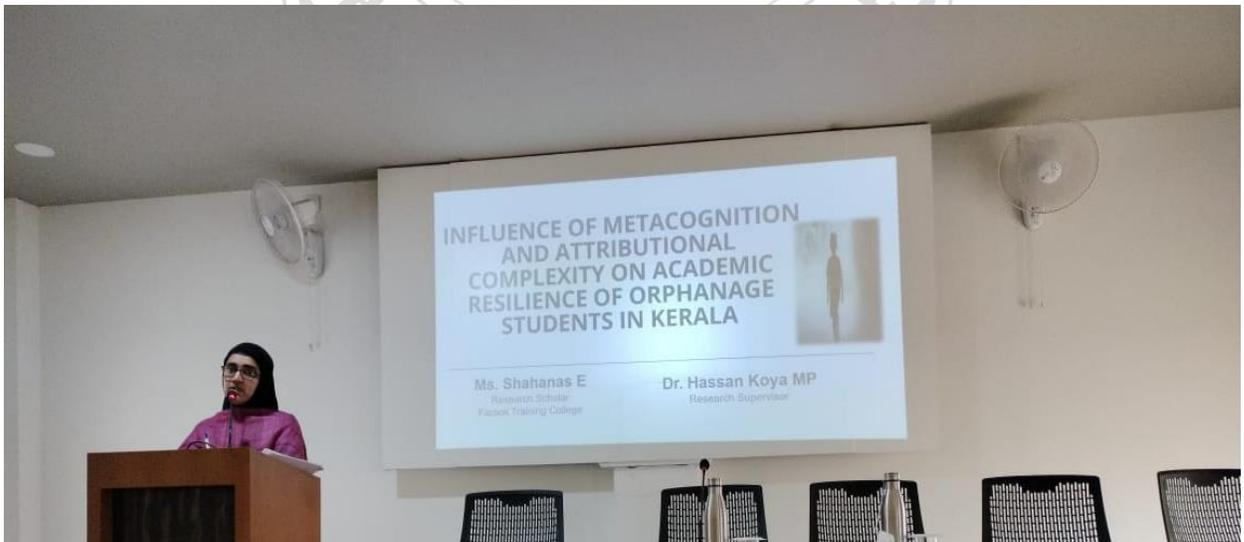
Meeting date | time 3/10/2023 3:00 PM | Meeting location IQAC Room

<b>Meeting called by</b>	Dr. Umer Farooque TK	<b>Attendees</b>	
<b>Type of meeting</b>	Research & IQAC		Dr. T Muhammed Saleem
<b>Facilitator</b>	Dr. T Mohammed Saleem		Dr. Umer faroque TK
<b>Note taker</b>	Ms. Shahnas		Ms. Shahanas
<b>Timekeeper</b>	Dr. Hassankoya M.P		Dr. Hassankoya M.P
			Dr. Vijayakumari K
			D

## Meeting Agenda

Date 10/03/2023 | Time allotted 1 | From 300 pm To 3.30 pm | Presenter Dr. Umer Farooque TK

- To conduct PhD open defence of Ms. Shahanas, part-time research scholar of FTC on 27<sup>th</sup> March 2023, 10:30 am at MMI hall. Dr. Janardhanareddy, Associate Professor, Bharathiyar University will be the adjudicator.
- 



## Report

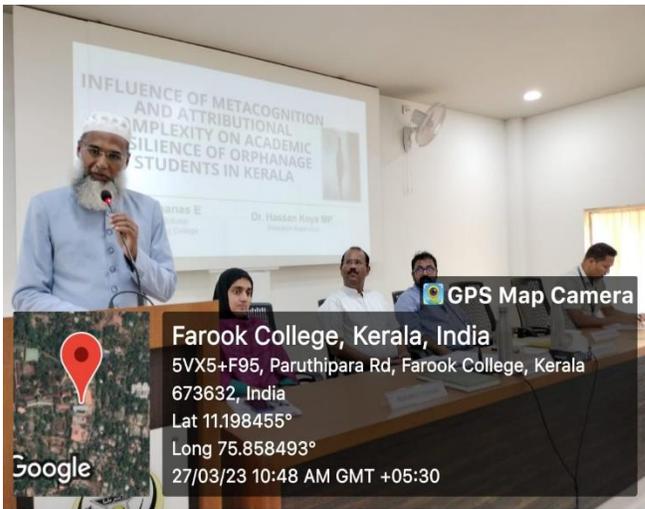
### PhD Open Defence and Viva Voce of Ms. Shahanas E 27<sup>th</sup> March 2023

The open defence and viva-voce examination of Ms. Shahanas E, part-time scholar of FTC under the guidance of Dr. Hassan Koya M P, Former Associate professor, FTC was conducted successfully on 27<sup>th</sup> march 2023, 10 am at multimedia interactive hall, offline mode in the presence of the chairperson Dr. P. Janardhana Kumar Reddy, Associate professor and Head of the department of education, Bharatiar University. Dr. T Muhammad Saleem, Principal, FTC presented the welcome note followed by the introductory address by the supervising teacher Dr. Hassan Koya MP. Ms Shahanas E presented her study titled 'Influence of Metacognition and attributional complexity on academic resilience of orphanage students in Kerala'. The study was a normative survey method to find the influence of independent variables metacognition and attributional complexity on the dependent variable academic resilience in orphan students those who are staying in orphanages of govt. of Kerala. Data was collected from 42 orphanages 53% of them are girls. Tools used are academic resilience scale, metacognition scale and attributional complexity scale prepared by shahanas and koya (2017). Faculty members, academicians and research scholars from various universities and institutions were present in the session. The presentation was followed by reflections from participants. The board of adjudicators recommended the thesis for publication. The program came to an end by 1.00 pm. Ms. Shahanas E delivered the vote of thanks.

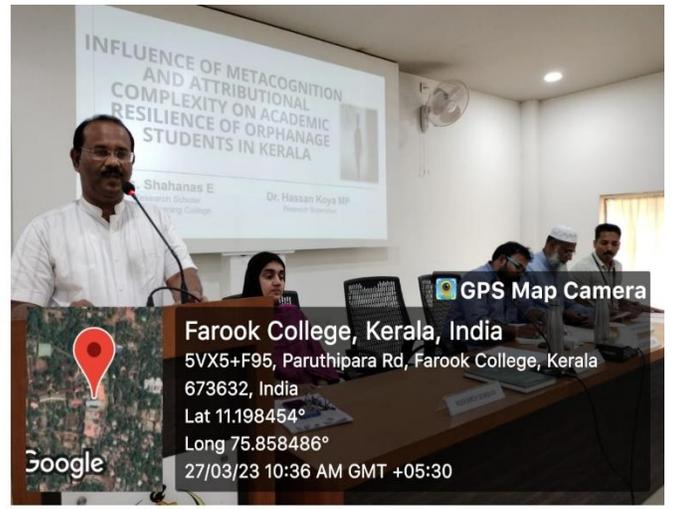


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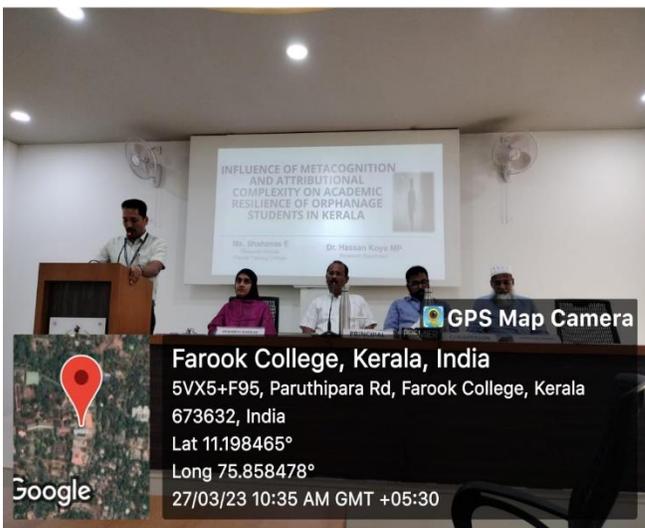




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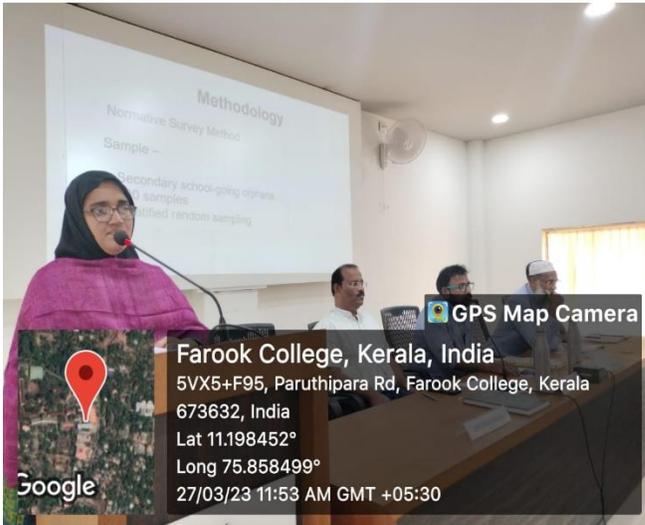
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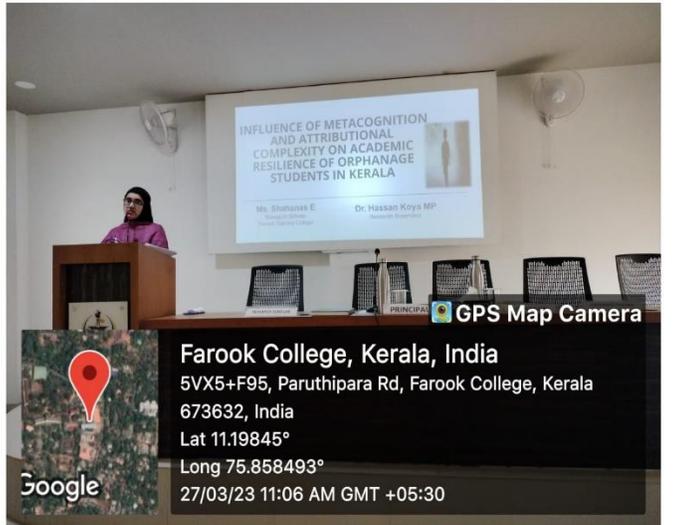
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### INVITATION

I would like to invite your kind attention that the Viva-voce and Open Defence on the Ph.D thesis of **Ms.Shahanas,E, Part time research scholar**, under the guidance of **Dr.HassanKoya.M.P,** former Associate Professor, Farook Training College will be held as detailed below:

Title of the study : **INFLUENCE OF METACOGNITION AND ATTRIBUTIONAL COMPLEXITY ON ACADEMIC RESILIENCE OF ORPHANAGE STUDENTS KERALA**

Date and Time : **27<sup>th</sup> March 2023 (Monday) at 10.00 am**

Venue : **Multi Media Interactive Hall, Farook Training College**

On behalf of Farook Training College, I solicit your esteemed presence and active participation in the programme.

The thesis will be available in the College Library for reference on 24<sup>th</sup> March, 2023.



Place : Farook College

Date : 01.03.2023

Copied to:-

1. Teachers and students, Department of Education, University of Calicut
2. Teachers and students, School of Pedagogical Sciences, Kannur University
3. Teachers and students, School of Pedagogical Sciences, MG University
4. Teachers and students, Department of Education, University of Kerala
5. Teachers and students, Department of Education, Central University of Kerala, Kasargod
6. Teachers and students, Govt. Bremen College of Teacher Education, Thalassery
7. Teachers and students, Govt. College of Teacher Education, Kozhikode
8. Teachers and students, Institute of Advance Studies in Education, Thrissur
9. Teachers and students, Department of Education, NSS Training College, Ottapalam
10. The Director and Staff, Directorate of Research, University of Calicut.
11. Teachers and students, Farook College
12. Teachers and students, RUA College, Farook College

Principal  
Farook Training College  
P.O. Farook College, Kozhikode

# INFLUENCE OF METACOGNITION AND ATTRIBUTIONAL COMPLEXITY ON ACADEMIC RESILIENCE OF ORPHANAGE STUDENTS IN KERALA

*Investigator : Shahanas E*

*Under the Supervision of  
Dr. Hassan Koya MP*

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## Abstract

### **Introduction**

The educational scenario in the country has undergone major changes over last decades, resulting in better provision for education and practical knowledge that initiates upward movement in the social demography and bridge the gap between the different divisions of society. A variety of factors resulting from the cognitive demands of the learning and its broader social context. The present study is an attempt to find out the influence of Metacognition and Attributional Complexity on Academic resilience among orphanage students. Academic Resilience is the dependent variable and Metacognition and Attributional Complexity are independent variables.

The major objectives of the study are to compare the Metacognition, Attributional Complexity and Resilience and its dimensions of orphanage students based on selected background variables. To find out the relationship between Metacognition and its dimensions and Academic Resilience, and its dimensions, To find out the relationship between dimensions of Metacognition and dimensions of Academic Resilience, To find out the influence of Metacognition on Academic Resilience, To find out the influence of dimensions of Metacognition on Academic Resilience, To find out relationship between Attributional Complexity and Academic Resilience, To find out the relationship between dimensions of Attributional Complexity

and dimensions of Academic Resilience, To find out the influence of Attributional Complexity on Academic Resilience, To find out the influence of dimensions of Attributional Complexity on Academic Resilience, To find out the influence of Metacognition and Attributional Complexity on Academic Resilience and To find out the influence of dimensions of Metacognition and Attributional Complexity on Academic Resilience among orphanage students.

### **Methodology in brief**

Normative survey method is used for the present study. Stratified random sampling technique was adopted. Eight hundred secondary orphan students studying in various schools of Kerala were used as sample. Metacognition Scale (Shahanas & Koya, 2017), Attributional Complexity Scale (Shahanas & Koya, 2017), Academic Resilience Scale (Shahanas & Koya, 2017) were used as tools.

### **Findings and conclusion**

#### **Meta Cognition**

- Orphanage students possess low level metacognition
- Metacognition of boys is higher than that of girls for total score. Dimension wise analysis shows that planning and knowledge of boys are slight higher level when compared to girls

- Metacognition of rural orphan students are higher level when compared to urban for the total score.
- The orphanage students studying in unaided school have better metacognition.

### **Attributional Complexity**

- From the assessment of attributional complexity and its dimension, orphanage students possess low level attributional complexity.
- Attributional complexity of girls is high as compared to boys for total score and dimension wise.
- Attributional complexity of unaided students is greater than that of aided and government school students

### **Academic Resilience**

- orphanage students possess low level academic resilience
- Academic resilience is high among boys as compared to girls
- Academic resilience is high among rural students as compared to urban students.
- Academic resilience of students of unaided schools is greater than that of aided and government schools
- A positive correlation is found between metacognition and academic resilience. All dimensions are positively correlated
- Metacognition is a significant predictor of academic resilience among orphanage students.
- There exist a significant positive correlation between attributional complexity and academic

resilience. All the dimensions are positively correlated

- Attributional complexity is a significant predictor of academic resilience of orphanage students.
  - Meta cognition and attributional complexity are significant predictors of academic resilience among orphanage students.

The study has implication to develop programs with holistic approach for orphans through various organizations. Metacognition and Attributional Complexity have significant effect on Academic Resilience of Orphanage students in Kerala. The Attributional Complexity must be enhanced and at the same time Metacognitive skill must be improved to develop the resilience among orphanage students.

### **Programmes and Policies to Promote Academic Resilience**

- Teacher support
- Appropriate training program
- Protect educational rights of underprivileged
- Inspiring classroom situations
- provide reinforcement
- Build self confidence
- Long term planning
- Provide duties



## Department Name : Research Scholars Association(RSA)

Meeting date | time 12/3/2023 7:00 PM | Meeting location *Online*

**Meeting called by** Dr. Umer Farooque T.K

**Type of meeting** RSA & IQAC

**Facilitator** Dr. Vijayakumari K

**Note taker** Ms. Juleena

**Timekeeper** Ms. Bindu A.V

### Attendees

Dr. T Mohammed Saleem

Dr. Umer Farooque T.K

Dr. Vijayakumari K

Mr. Rishad KT

Members of RSA

## Meeting Agenda

**Date** 12/03/2023 | **Time allotted** 1 | **From** 07:00 am **To** 07:30 am | **Presenter** D.Umer Farooque TK

- To conduct State level one day workshop on 'Research and Publication Ethics' for honouring Prof. (Dr.) K.P Meera, University of Calicut by the RSA on 21/03/2023. Dr. Divya C Senan, Associate Professor, Department of Education, University of Kerala will be the resource person..

**FAROOK TRAINING COLLEGE**  
RESEARCH CENTER IN EDUCATION, FAROOK COLLEGE PO, KOZHIKODE  
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**One day State Level Workshop on Research and Publication Ethics for Honouring Prof. (Dr.) K. P. Meera.**

Knowledge Enrichment Program (KEP)

**Prof. (Dr.) K. P. Meera**  
University of Calicut

21 March 2023  
@ MMI Hall

Resource Person- Dr. Divya C. Senan  
University of Kerala

Organized By Research Scholars Association, FTC.

**FTCIA** Farook Training College  
Innovative Academia

**FAROOK TRAINING COLLEGE**  
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KNOWLEDGE ENRICHMENT PROGRAMME (KEP)

**ONE DAY WORKSHOP ON RESEARCH AND PUBLICATION ETHICS**

**Resource person**  
**Dr. Divya. C. Senan**  
Dept. of Education, University of Kerala

21 MARCH 2023  
VENUE: MMI HALL

Exclusively for research scholars and educationists

Organized under the banner of RSA, FTC

**FTCIA** Farook Training College  
Innovative Academia

## Report

### State Level Workshop on Research & Publication Ethics 21<sup>st</sup> March 2023

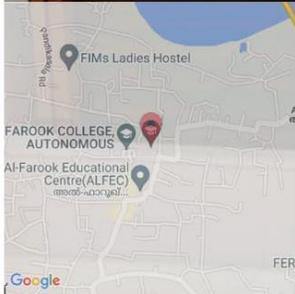
Research Scholars Association of FTC a State Level Workshop on Research and Publication Ethics in order to honour Prof. (Dr.) K.P. Meera, Research Advisory Committee Member, who is retiring this year from Department of Education, University of Calicut. The workshop was conducted on 21st March 2023. The programme commenced at 10.00 am at MMI hall, FTC. Dr. T K Umer Farooque, Associate Professor and Research Coordinator, FTC welcomed the gathering.

Principal of FTC, Prof. (Dr.) T. Mohammed Saleem chaired the session. This was followed by the honouring ceremony of Prof. (Dr.) K. P. Meera for her selfless contribution to the field of Education. Dr. K P Meera shared her insights and inaugurated the Workshop. IQAC Coordinator, Dr. K. Vijayakumari and Staff Secretary, Dr. Rishad K. felicitated the function. The official Vote of Thanks was delivered by Zeenath P.Y. , RSA Secretary, FTC. Morning session of the workshop started at 10.45am. The resource person was Dr. Divya C. Senan, Asst. Prof. University of Kerala. The resource person spoke about research and publication ethics and focused on the topics, Conducts and Misconducts of Research Arena. The afternoon session was handled by Dr. Jayapraveen J., Asst. Prof., NSS Panthalam. The session was about APA style format to be followed in research. The sessions were highly effective and interactive.



## Gallery



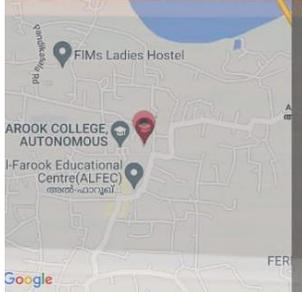


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28°C  
82°F



5VX5+F95, Paruthipara Rd, Farook College, Kerala 673632, India

**Farook College**  
Kerala  
India

2023-03-21(Tue) 10:31(am)

28°C  
82°F



5VX5+F95, Paruthipara Rd, Farook College, Kerala 673632, India

**Farook College**  
Kerala  
India

28°C  
82°F

2023-03-21(Tue) 10:31(am)



5VX5+F95, Paruthipara Rd, Farook College, Kerala 673632, India

**Farook College**  
Kerala  
India

28°C  
82°F

2023-03-21(Tue) 10:34(am)



5VX5+F95, Paruthipara Rd, Farook College, Kerala 673632, India

**Farook College**  
Kerala  
India

28°C  
82°F

2023-03-21(Tue) 10:38(am)



5VX5+F95, Paruthipara Rd, Farook College, Kerala 673632, India

**Farook College**  
Kerala  
India

28°C  
82°F

2023-03-21(Tue) 10:19(am)



# Appendix



**Workshop on Research and Publication Ethics**

Research and publication ethics are crucial components of academic and scientific integrity. As researchers and scholars, we have a responsibility to conduct research and publish our findings with the highest standards of ethical conduct. This includes ensuring that our research is conducted with integrity, honesty, and transparency, and that our publications accurately reflect our research findings.

In this workshop, we will explore various aspects of research and publication ethics, including the ethical principles that underlie them, the ethical challenges that researchers and scholars may face, and the best practices for ensuring that our research and publications meet ethical standards. We will also discuss the importance of understanding and adhering to ethical guidelines and regulations, as well as the consequences of failing to do so.

Whether you are a student researcher, or academic, this workshop will provide you with valuable insights and practical tools for navigating the complex world of research and publication ethics. We look forward to exploring these topics with you and engaging in meaningful discussions that will enhance our understanding of these critical issues.

**About Farook Training College**

Farook Training College, established in 1961 by Roushanul Uloom Association, is the first teacher training college managed by Muslim Minority in the state to promote the cause of education in Malabar, to provide quality teacher education to all classes of people, to attract and encourage talented students towards teaching profession, especially from among financially and educationally backward Muslim minority students and the other marginalized sections of the society. The College was initially affiliated to the University of Kerala and later it was affiliated to University of Calicut in 1968.

All the courses offered are recognized by National Council for Teacher Education. The College has excellent infrastructure and premium faculty. The college is to make distinctive and eloquent contribution to the course of teacher education and to promote research in various branches of teacher education. The college seeks to nurture the quest for excellence by assuring and providing opportunities that are equitable and accessible to students from backgrounds of any disadvantage and there by build their capacities through commitment to the profession and values of high stature.



**FAROOK TRAINING COLLEGE**  
RESEARCH CENTRE IN EDUCATION  
Accredited by SAAC as An grade with CGPA 3.39  
Farook College P.O., Kozhikode, 673032 PIN



farooktc06@gmail.com

**State level Workshop on Research and Publication Ethics**  
In Collaboration with



**KERALA STATE HIGHER EDUCATION COUNCIL**  
Knowledge Enrichment Program (KEP)

**ON MARCH 21 – 2023**  
**VENUE: MMI HALL @ FTC**

**Organized by RSA, FTC**



**Exclusively for research scholars and educationists**

**Registration details**

Register through the link:  
<https://forms.gle/Smr8Q99fnyVe6c4ZA>

- Participants from FTC: Rs 250
- External Participants : Rs 500
- Spot registration is available.

Registration fee includes lunch, tea and essential writing tools.

"A laptop is necessary for the workshop, so please ensure you bring one with you."

**Limited Seat Only**

**Bank details**

**G-Pay Number:**  
**6282626660**



**RELEVANCE OF THE TOPIC**

In the present era, with the increasing volume of research and publications, a workshop on research and publication ethics is more relevant than ever. It will help researchers to navigate complex ethical issues, such as data management, authorship, plagiarism, and conflicts of interest, and ensure that their research adheres to the highest ethical standards.



**Dr. Divya. C. Senan**

Dr. Divya C. Senan has been a faculty in the Dept. of Education, University of Kerala since 2017. She has expertise in the development and implementation of educational technology tools and constructive curricular applications in the classroom. She is also a motivated researcher looking to further advance understanding of energy education by conducting independent research on energy curricula. Currently focused in the development of curricular resources for energy education at different educational level. She is a recipient of many eminent awards including Best Teacher Educator National Award and Chanakya award. She is also the recipient of prestigious Fulbright Nehru Post-Doctoral Fellowship and UGC-Raman Post-Doctoral Fellowship.





**Department Name : IQAC**

Meeting date | time 2/3/2023 3:30 PM | Meeting location IQAC Room

**Meeting called by** Mr. Fasalul Abid CM

**Type of meeting** IQAC

**Facilitator** Dr. K Vijayakumari

**Note taker** Mr. Rishad K.T

**Timekeeper** Dr. Afeef Tharavattath

**Attendees**

Dr. T Mohammed Saleem

Mr. Fasalul Abid CM

Dr. K Vijayakumari

Members of IQAC

**Meeting Agenda**

**Date** 02/03/2023 | **Time allotted** 1 | **From** 3:30 pm **To** 4.00 pm | **Presenter** Mr. Fasalul Abid CM

- To conduct three days workshop on 'Preparation of Teaching Learning Materials' for the first year B.Ed students of 2022-24 batch on 6<sup>th</sup> , 7<sup>th</sup> and 13<sup>th</sup> March 2023.



**3 Days Workshop on Preparation of Teaching and Learning Materials**

**2023 March 6,7 & 13**

**Inauguration**



**Prof. (Dr.) T. Mohamed Salim**

**General Orientation Practice Session  
Preparation of Models and Charts**

## Report

### Three Days Workshops on Preparation of Teaching-Learning Materials 6,7 & 13 March 2023

On Monday, March 6th, the Orientation Programme for a three-day workshop on creating educational materials was held. The opening session was overseen by the Principal, Prof (Dr.) T. Mohamed Salim. Following that, two sessions were led by Dr. Irshana Shahanaz and Dr. Jawhar Munawwir respectively, with a practice session immediately after. Dr. Jawhar Munawwir's session focused on Malayalam handwriting, teaching participants how to correctly and beautifully write Malayalam letters on chart paper. The session was conducted in a practical manner, allowing all attendees to practice writing Malayalam alphabets. Dr. Irshana Shahanaz discussed the advantages of using charts in a classroom, presented various chart types, and explained techniques for writing English alphabets and using chisal markers. She also demonstrated chart writing and provided opportunities for attendees to practice on their own.

On Tuesday, March 7<sup>th</sup>, a workshop on creating charts was held for all optional classes. Following the instructions provided during the orientation class, students produced five different charts. Then, on March 13<sup>th</sup>, the third and final day of the three-day workshop, students in the respective optional classes began constructing still and working models at around 10 am. Under the guidance of their optional teachers, students created a variety of different models during the workshop.



## Gallery





## Department Name : M.Ed Association

Meeting date | time 3/10/2023 3:00 PM | Meeting location IQAC Room

**Meeting called by** Mr. Nowfal C

**Type of meeting** M.Ed Association & IQAC

**Facilitator** Dr. Vijayakumari K

**Note taker** Dr. Rekha P

**Timekeeper** Ms. Praseetha

### Attendees

Dr. T Mohammed Saleem

Mr. Nowfal C

Dr. Rekha P

Dr. Vijayakumari K

Mr. Rishad KT

Ms. Praseetha

Mr. Anoop KV

Members of M.Ed Association

## Meeting Agenda

**Date** 10/03/2023 | **Time allotted** 1 | **From** 03:00 am **To** 03:30 am | **Presenter** Mr. Nowfal C

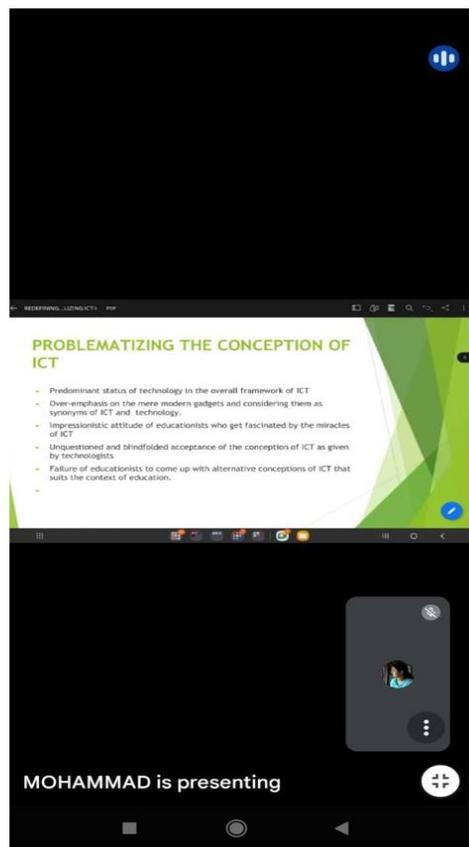
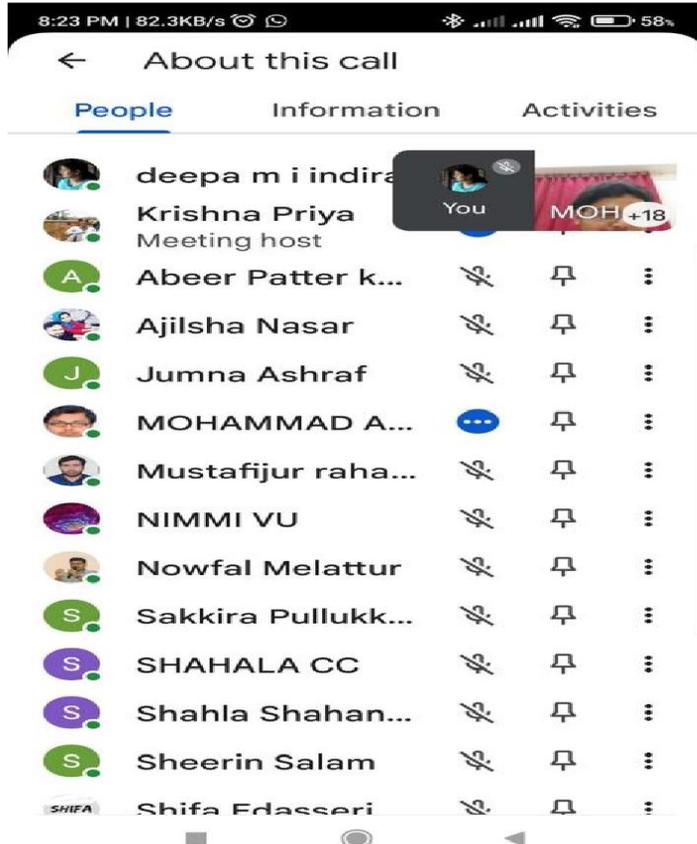
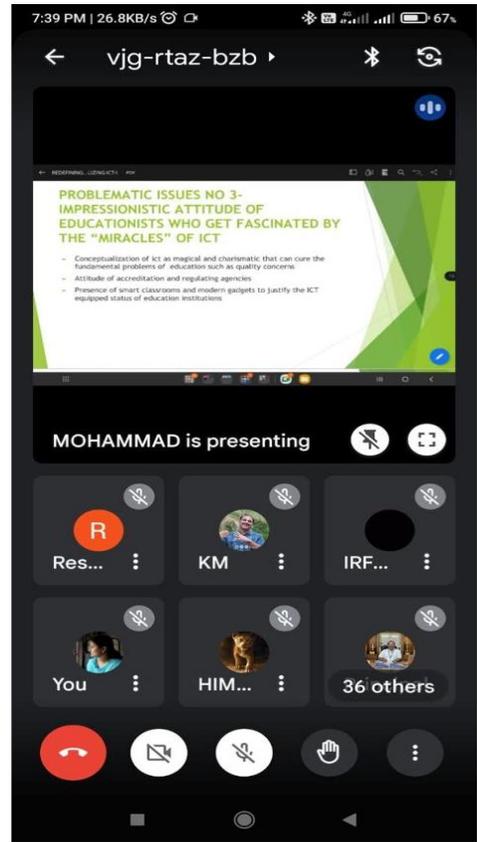
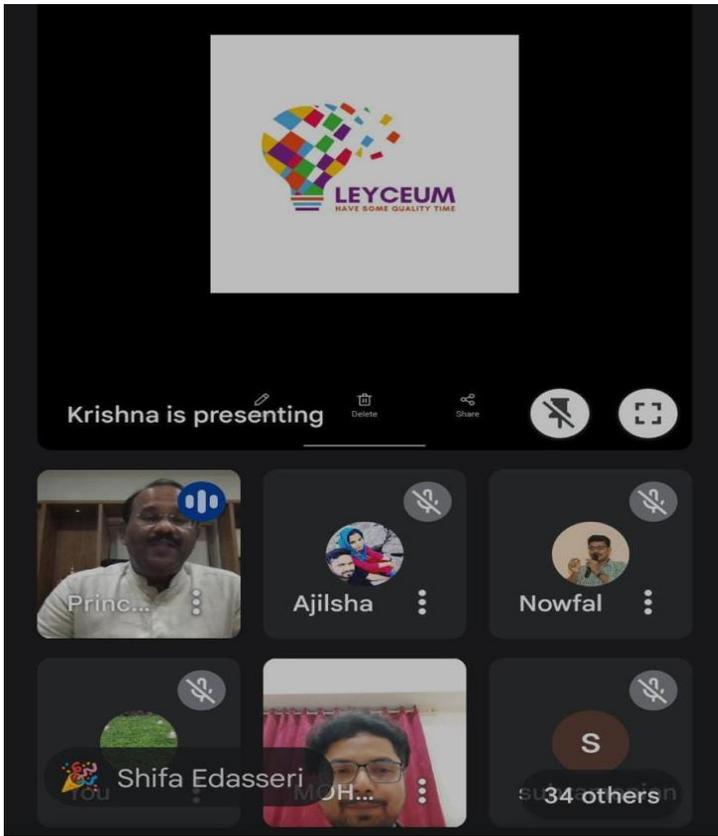
- To Conduct Web Talk Series by the M.Ed Association on the topic 'Redefining and Reconceptualizing ICT' on 14<sup>th</sup> March 2023, 7:00 pm through Google Meet. Mr. Muhammed Asif, Assistant Professor, Department of Education, Tezpur Central University will be the resource person..

## Report

### **Web Talk Series 1- Redefining and Reconceptualizing ICT- *By M.Ed Association* 15<sup>th</sup> March 2023**

The M.Ed Association of Farook Training College organized its new initiative Web talk series - Lecture 1 on 15<sup>th</sup> March 2023 via Google Meet. The programme commenced sharply at 7 pm with the welcome address delivered by Ajilsha M, first year M.Ed student. It was followed by the Principal address of Prof. (Dr.) Mohammad Saleem. The Principal did the official logo and tagline release of the new M.Ed association named Leyceum. Thereafter the resource person of the day Mohammad Asif, Assistant professor of Education, Tezpur Central University took over the session. He presented the lecture on the topic Redefining and Reconceptualizing ICT. The talk was informative and engaging. An interactive session was also organised at the end of the session. The participants actively raised their queries, concerns and reflections on the topic. The talk marked its official end with the vote of thanks delivered by Shahala C C, first year M.Ed student.







Meeting

**Department Name : Mathematics Association & IQAC**

Meeting date | time 3/6/2023 3:00 PM | Meeting location *Mathematics Class room*

<b>Meeting called by</b>	Dr.Vijayakumari K	<b>Attendees</b>	
<b>Type of meeting</b>	Mathematics Association & IQAC		Dr. Muhammed Saleem
<b>Facilitator</b>	Mr. Rishad KT		Dr. Vijayakumari K
<b>Note taker</b>	Ms. Adila HM		Mr.Rishad KT
<b>Timekeeper</b>	Ms. Amal Saeed		Mathematics Association Members

**Meeting Agenda**

**Date** 06/03/2023 | **Time allotted** 1 | **From** 3.00pm **To** 3.30 pm | **Presenter** Dr.Vijayakumari K

- To conduct a workshop on 'Geogebra' organizing by Dept. of Mathematics and IQAC FTC on 9<sup>th</sup> March 2023.

**FAROOK TRAINING COLLEGE**  
RESEARCH CENTRE IN EDUCATION, FAROOK COLLEGE PO, KOZHIKODE PIN 673632  
 RECOGNISED BY UGC & NCTE (ACCREDITED BY SAAC AT A+ GRADE WITH CGPA 3.39)

**Department of Mathematics, IQAC and Mathematics Association**

Organise

**Workshop on Geogebra**

**INAGRUATION**

**Dr. T Muhammad Saleem**  
Principal  
Farook Training College

**RESOURCE PERSON**

**Sayed Ashique**  
UPST, JDT ISLAM HSS, Calicut and  
Alumnus of FTC

March 9, 2023  
Thursday

## Report

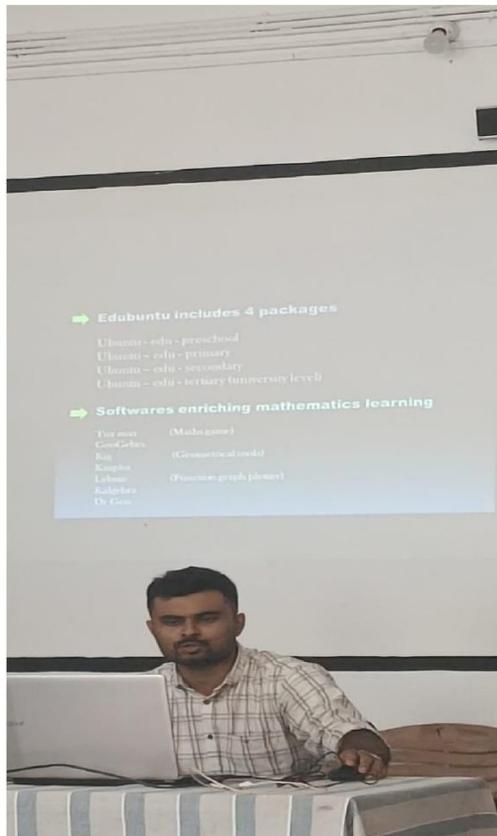
### Workshop on Geogebra

9<sup>th</sup> March 2023

Department of Mathematics, IQAC & Mathematics Association of Farook Training College organized a one-day workshop on GeoGebra on 9th March 2023. Dr. T. Mohammed Saleem, Principal of Farook Training College inaugurated the programme welcomed by Mrs. Hanna Sherin, Secretary of Mathematics Association. The workshop organized under the leadership of Dr. K.Vijayakumari (IQAC Coordinator & Associate Professor of Mathematics & Mr. Rishad K (Assistant Professor of Mathematics) was lead by Mr. Sayed Ashique (UPST, JDT ISLAM HSS, Calicut & Alumnus of FTC). Students of B.Ed Mathematics were the participants of the programme.

The workshop began with the discussion of the advantages of GeoGebra and the resource person introduced different tools in GeoGebra. He demonstrated the purpose of almost all tools in Geogebra and the learners practiced it themselves. Students learned to use 2D as well as 3D tools in GeoGebra. The workshop with hands-on experience transferred all the skills required for using Geogebra creatively. Mr. Sayed Ashiq extended all the support and assistance to the participants throughout the session to acquire the Geogebra skills. . This Workshop made the students realise the importance of using Geogebra in school classrooms and its effectiveness in teaching of Mathematics. Mrs. Amal Saeed extended the vote of thanks.







Meeting

**Department Name : Mathematics Association**

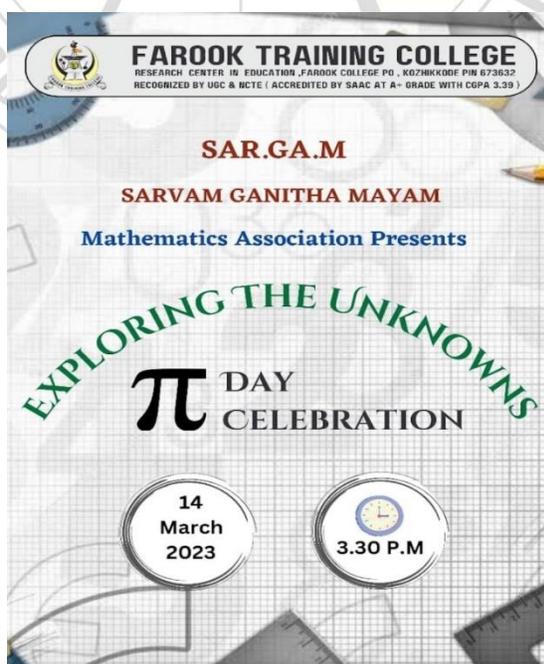
Meeting date | time 10/3/2023 3:00 PM | Meeting location *Mathematics Class room*

<b>Meeting called by</b>	Dr.Vijayakumari K	<b>Attendees</b>	
<b>Type of meeting</b>	Mathematics Association		Dr. Muhammed Saleem
<b>Facilitator</b>	Mr. Rishad KT		Dr. Vijayakumari K
<b>Note taker</b>	Ms. Adila HM		Mr.Rishad KT
<b>Timekeeper</b>	Ms. Raha		Mathematics Association Members

**Meeting Agenda**

**Date** 10/03/2023 | **Time allotted** 1 | **From** 3.00pm **To** 3.30 pm | **Presenter** Dr.Vijayakumari K

SAR.GA.M- Sarvam Ganitha Mayam, FTC’s Mathematics club, is decided to celebrate world pie day on 14<sup>th</sup> March 2023.



## Report

### World Pi Day Celebration- SAR.G.A.M Mathematics Club 14<sup>th</sup> March 2023

As a part of Pi day celebration, the Department of Mathematics in association with SARGAM (Mathematics association ) conducted various programs at Farook Training College on 14<sup>th</sup> March 2023. The programs were initiated by the launch of a Short Learning Video on the importance of the number pi. Memory games, pi challenge and various other competitions were conducted. The programs were led by Mathematics association members.



Prepared By Media Cell, FTC