NEWSLETTER

FORMAN CHRISTIAN COLLEGE (A Chartered University)
Estd. 1864
BY LOVE SERVE ONE ANOTHER

Department of Mathematics

Introduction

It is our mission to engage students in the teaching and learning of mathematics that will challenge them to be independent learners and develop sound reasoning, problem-solving, and critical thinking skills necessary to compete in a global society.

FCCU has a rich history of traditions and have produced great leaders and shaped many lives. Our faculty is comprised of exceptional individuals working together for the benefit of our children.

We at Forman Mathematics Department (college) as a team try to achieve and maintain par excellence and will continue to do so in many years to come.
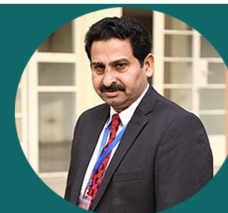
Message from the Head of Dept.

The term 'education' encompasses more than just knowledge and knowing. It is a harmonious blend of academia, arts, sports, emotions, attitudes, creativity, nature, and life itself! And in the world that we live in today, the one who is adept in all these areas is the one who succeeds. Mathematics department has a team of dedicated, highly trained, and devoted teachers, who thrive to shape these young minds. I and my qualified team of faculty members at Mathematics Department follow the same tradition under the motto of "By Love Serve One Another". It is our mission to provide quality mathematics instruction as we believe in, that imparting Mathematical knowledge develops logical and critical thinking in students. Our aim is to produce skilled professionals, ethical mathematics scholars and educated leaders who will be sensitive to the needs of the society in future.
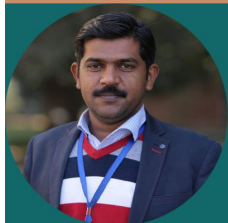
SERVICES & RESPONSIBILITIES

Julia J. Austin
Assistant Professor

- Assistant Guardian at Hope Tower
- Member of Search/Scrutiny Committee
- Mentor in Mentor-Mentee program of Christian Students
- Special Evening Classes
- Pre-College Summer Coaching Classes
- Sub Examiner BISE

Mr. Muhammad Iqbal
Associate Professor

- Exam Coordinator
- Stationary In-charge
- Member Proctorial Board
- Sub Examiner BISE

Dr. Mohsin Raza
Assistant Professor

- Coordinator 1st year
- Member Proctorial Board
- Member Search/Scrutiny Committee
- Sub Examiner BISE

Ms. Rabia Naz
Assistant Professor

- Advisor Mathematics Society
- Member Search/Scrutiny Committee
- Member commencement Committee
- Sub Examiner BISE
- Advisor Math-tech thinking foundation, India

Mr. Bilal Ahmed
Assistant Professor

- Coordinator 2nd year
- Editor News Letter
- Member Proctorial Board
- Member Admission Information Desk
- Sports Advisor (Business Junior)
- Sub Examiner BISE

Ms. Sana Bhatti
Lecturer

- In-charge Of professional Development
- Co-Editor News Letter
- Member Proctorial Board
- Sub Examiner BISE
- Member Sports Council Committee
- Member Admission Information Desk
- Committee Convener for Work study Program
- Member Scrutiny Committee IT department

Mr. Sharoon Anjum
Lecturer

- Co-Advisor Mathematics Society
- Coordinator IKMC
- Pre-College Summer Coaching Classes
- Stationary In-charge
- Member Proctorial Board
- Sub Examiner BISE

Mr. Kamran Aslam
Lecturer

- Mr. Kamran is working as Lecturer since 2021
- He has done his BS (Hons) from GCU/ MS Mathematics NUCES FAST
- He has 2 Publications in Graph Theory
- He has been working from last 11 years with LGS, LACAS, CITY School as Senior Teacher
- Moreover has worked as SSE Math, BPS-16 in Govt. of Punjab

HONOR AND AWARDS

1st Position at District level in IKMC

Muhammad Husnain & Ramish Shokat got the Silver Medal

1st Position at Institution Level in IKMC

Muhammad Mahad
Taha Naseer
Abdul Moeez
got the Bronze Medals

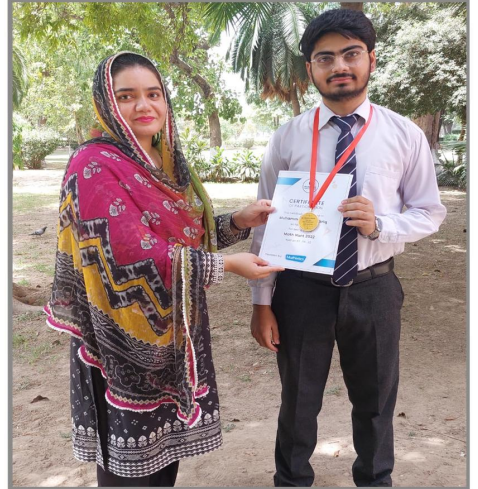
Hanzla Muneer got Bronze Medal

PhD Award

Dr Mohsin Raza got the PhD Award from Governer of Punjab

FCC Poster Competition

Muhammad ZakaUllah got the 3rd position in Fcc poster competition

Math Hunt

Hashir Malik got the Gold Medal in Math Hunt 2022

Faculty Badminton Championship 2021

Mr. Bilal Ahmed Won 1st Position in Faculty Badminton Championship

Formanites Mathematics Society

Society vision

Society vision regarding its council members is the grooming of skills, polishing of communication & social skills, boosting self-morale, preparation of practical world and importance of team work. Our Agenda is to introduce healthy activities for bonding of students and faculty to create a better world. We present certificates and shields to our council for their dedication and services towards society.

Message from the Advisor

As Advisor I would like to extend my gratitude to our team who has strong sense of commitment towards uplifting of FMS by creativity and management skills. Our team actively worked during pandemic on social platforms for all the events we had. Thank you for your time dedication and hardwork.

Council FMS 2021-22

Advisor
Ms. Rabia

Co-Advisor
Mr. Sharoon

President
Abdullah

Vice-President
Mowahid

Secretary
Keertan

Treasurer
M. Saleh

SOCIETY EVENTS

Welcome to 1st Year Students

TEACHERS DAY

It is observed on 5th October every year. It is also known as International Teachers' Day.

Students wrote notes for their Favorite teacher. Which Formanites Mathematics Society delivered to respective teachers. This event was introduced by FMS which got highly appreciation.

Badges and chocolates were distributed among teachers as a token of appreciation.

Inter College Math Competition

Mathematician of the Month

This was done to ensure that every student must know the importance of these scientist's work and must appreciate them.

Mathematician of the Month
Muhammad ibn Musa al-Khwarizmi
-He made important contributions to mathematics, geography, astronomy and cartography.
-He was long considered the father of algebra.
-The word is derived from al-jabr, one of the two systems he used to solve quadratic equations.
-The Latin form of his name is Algoritmi, which is the basis for the words algorism and algorithm.
-He wrote on astronomy and astrology and revised Ptolemy's Geography.

MATHEMATICIAN OF THE MONTH
JOHANN CARL GAUSS
•Johann Carl Friedrich Gauss (30 April 1777 – 23 February 1855) was a German mathematician and physicist who made significant contributions to many fields in mathematics and sciences.

His Mathematic contributions include :
•Gaussian elimination, also known as "row reduction" or "Gaussian method" Jordan elimination, Seidel method, cyclotomic formula, lemma in relation to polynomials Gaussian binomial coefficient and many more.

•Gauss–Bolyai–Lobachevsky space. Bonnet theorem. Chern, Bonnet theorem in differential geometry. All among many others are his contributions for algebra.

MATH ROCK QUIZ

Math Rock Quiz was held on 13 November 2019 by Formanites Mathematics Society. It was a great opportunity for students to test their abilities by solving MCQs on different subjects
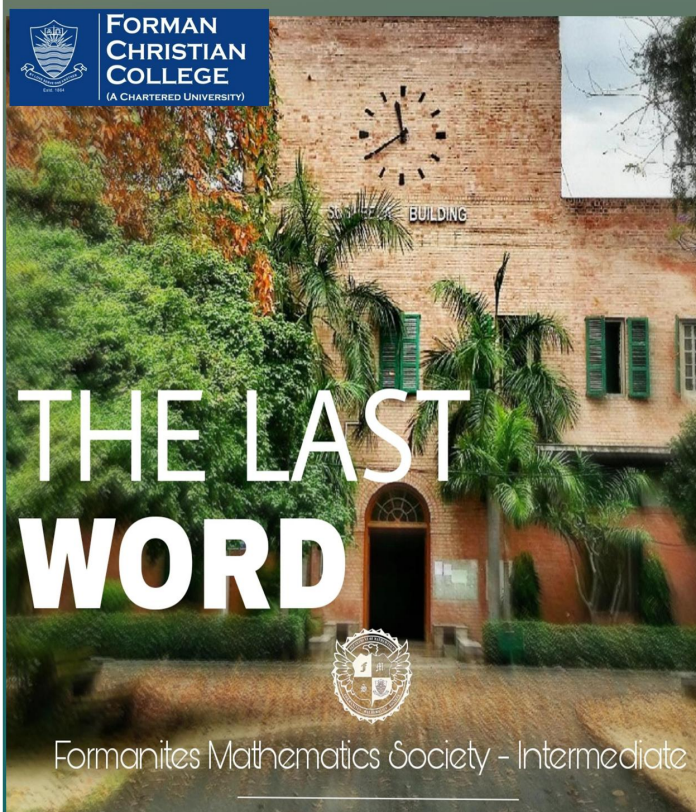
SOCIETY EVENTS

Women's day Celebrations

FMS Magazine

THE LAST
WORD

Formanites Mathematics Society - Intermediate

IKMC

International Kangaroo Mathematics Contest is a competition to flex the intellectual muscle. It gives students confidence to comprehend mathematical problems set in situations familiar to them and show them the relevance of mathematics in their everyday lives. Every year a good number of students of FCC take part in this exogenous competition and score positions. This year 395 students participated in IKMC 2022. It gives us an immense pleasure to announce that this year also we have two students of FCC with Silver Medals (positions at district level) four students with Bronze Medals (positions at institutional level) and Our goal is to enhance our students mathematical skills to take part in such International Contests.

IKMC Prizes Won by FCC Students

1st Position at District level

PROFESSIONAL DEVELOPMENT/ACHIEVEMENTS

Ms. Rabia Naz organized a workshop

Topics & Presenters
- Effective Teaching (Dr. Mohsin & Mr. Bilal)
- Classroom Management (Mr. Iqbal & Ms. Sana)
- Assessment & Feedback (Ms. Rabia & Mr. Sharoon)
- Stress Management (Ms. Julia Austin)

Ms. Sana Bhatti Organized a workshop

" Technology Incorporation in our Classrooms"

Dr. Mohsin Raza
- PhD Mathematics
Thesis Title: "Algebraic Connectivity and Fractional Metric Dimension of Graphs"

- *Publications:*
Raza, M., Javaid, M., Saleem, N. (2021). Fractional metric dimension of metal-organic frame-works, Main Group Metal Chemistry, 44(1), 92-102, IF:0.55.

Raza, M., Alrowaili, D.A., Javaid, M., and Shabbir, K. (2021). Computing bounds of fractional metric dimension of metal organic graphs, Journal of Chemistry, Article ID 5539569, IF:1.790.

Raza, M., Alrowaili, D.A., Javaid, M. (2021). Local fractional metric dimensions of generalized Petersen networks, IEEE Access, 9, 74110-74126, IF:4.098.

- *Paper Presented:*
Paper Presentation in 20th International Pure Mathematics Conference, Islamabad in 2019 organized by Pakistan Mathematical Society and AIOU

Ms. Julia Austin
- M.Phil. Mathematics
Thesis Title: "Some New Cases of MHD Fractional Viscous Fluid"

Mr. Sharoon Anjum
- M.Phil. Mathematics
Thesis Title: "4-Total Prime Cordial Labeling"

Ms. Sana Bhatti
Article: "The Universality of Mathematics"

Editorial Team

Chief Editor
Julia Austin

Editor
Bilal Ahmed

Co-Editor
Sana Bhatti