

RAMANUJAN COLLEGE

Accredited Grade 'A' by NAAC
University of Delhi
C.R. Park Main Road, Block-H
Kalkaji, New Delhi-110019

LETTER OF CONFIRMATION

REFRESHER COURSE IN MATHEMATICS

Organized by
Teaching Learning Centre & Department of Mathematics
Ramanujan College
31 August - 14 September 2021

Date: 28-08-2021

Dear DR.S.VASUNDHARA,

Thank you for registering in the Refresher Course in Mathematics to be organized by the Department of Mathematics and Teaching Learning Centre, Ramanujan College during 31 August – 14 September, 2021. We are pleased to inform you that your registration is confirmed and you are selected to attend the course.

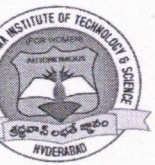
Name: DR.S.VASUNDHARA
Reg. No.: RAMA_TLC00023660
Affiliation: G.Narayanamma Institute Of Technology & Science For Women

We look forward to your participation in the course and wish you a successful and fruitful course.

Regards

Dr. Rajesh Singh
Convenor
Refresher Course in Mathematics
Department of Mathematics
Ramanujan College

PRINCIPAL
G.Narayanamma Institute of
Technology & Science (for women)
(AUTONOMOUS)
Shaikpet, Hyderabad - 500 104.



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Department of Humanities and Mathematics

2021-2022

REPORT

“Refresher Course in Mathematics”

Date of program: 31.08.2021 to 14.09.2021

Resource person: DR. NIKHIL RAJPUT, Assistant Professor, Department of Computer Science MR. VIPIN RATHI, Assistant Professor, Department of Computer Science

About the Program: The Refresher Course in Mathematics is an attempt in this direction to impart quality education in Mathematics to the undergraduate teachers of the country in the online mode. It will be of two weeks duration (31 August – 14 September 2021), with 12 working days (excluding Sundays and Gazetted Holidays). The course will consist of a minimum of 20 hours of video content (in the form of pre-recorded videos and live lectures) and 20 hours of non-video content. The course is being offered in a highly flexible format and can be done at own pace and within stipulated time. There are built-in assessment exercises and activities as parts of the academic progression in the course. At the end of the course, there will be a terminal assessment which will be conducted online. Successful participants of the online refresher course will be certified. The main objective of the refresher course is to equip and motivate the participants with basic as well as advanced knowledge of various topics in the field of Mathematics for quality teaching and research. The Programme is discipline specific and will provide a forum to participants to keep themselves abreast of the latest advances in various areas of Mathematics with experienced and eminent resource persons

Gained the knowledge on several topics of Mathematics including Functional Analysis, Algebra, Partial Differential Equations (PDE), Complex Analysis and related Mathematical Representations of Physical Phenomenon in PDE which are used in Mathematical Modeling

Apart from the above core areas of Mathematics, participants will get exposed to various software training modules like Matlab/Scilab, Mathematica and R-Software, which will enable learners to apply them in their research and in teaching. There is a special focus on mathematical typesetting software LaTeX, which will come handy to all the participants enabling them to write research paper in a very professional outlook. An extra and much needed part of this course is Python Programming, which will enhance learners' understanding and skill in effective data analytics, Machine Learning and artificial intelligence.

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Signature of the Faculty member