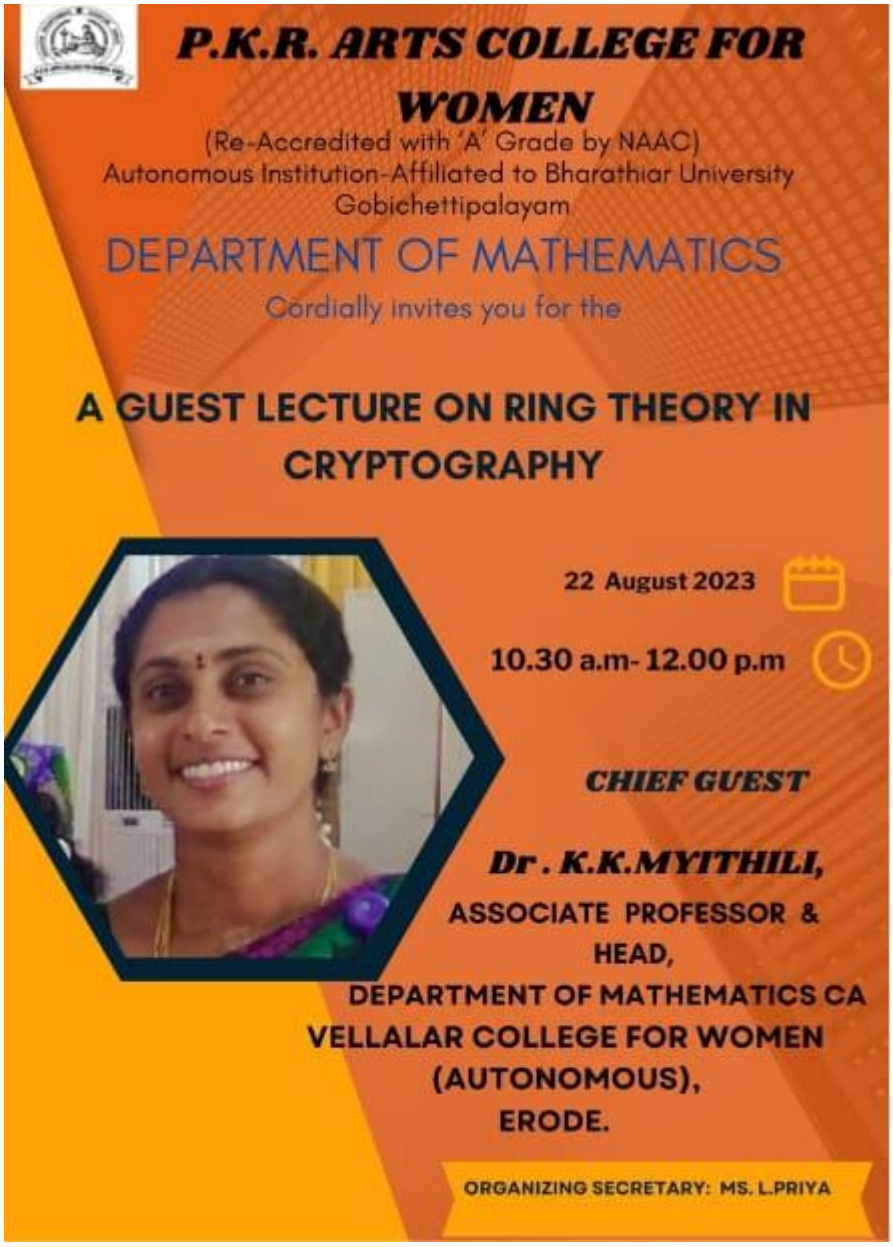
INVITATION


P.K.R. ARTS COLLEGE FOR WOMEN
(Re-Accredited with 'A' Grade by NAAC)
Autonomous Institution-Affiliated to Bharathiar University
Gobichettipalayam
DEPARTMENT OF MATHEMATICS
Cordially invites you for the
A GUEST LECTURE ON RING THEORY IN CRYPTOGRAPHY
22 August 2023
10.30 a.m- 12.00 p.m
CHIEF GUEST
Dr . K.K.MYITHILI,
ASSOCIATE PROFESSOR & HEAD,
DEPARTMENT OF MATHEMATICS CA
VELLALAR COLLEGE FOR WOMEN (AUTONOMOUS),
ERODE.
ORGANIZING SECRETARY: MS. L.PRIYA

REPORT

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Event Report: Guest Lecture on Ring Theory in Cryptography

The Department of Mathematics, P.K.R. Arts College for Women organized a highly enlightening guest lecture on "Ring Theory in Cryptography" on August 22, 2023. This intellectually stimulating event took place within the college premises and featured Dr. K.K. Myithili, Associate Professor & Head in Department of Mathematics (CA) of Vellalar College for Women(Autonomous), Erode, as the esteemed guest speaker.

Objective of the Lecture: The primary objective of the guest lecture was to provide participants with a comprehensive understanding of the application of ring theory in cryptography. The event aimed to bridge the gap between theoretical concepts and practical implications, offering insights into how mathematical principles can be harnessed to ensure the security of digital information.

Proceedings: The event commenced with a soul-stirring prayer song by Ms.Jayasri.G of III B.Sc Mathematics. This was followed by a warm welcome address by Mrs. C. Priyadharshini, Assistant Professor in the Department of Mathematics. Her welcoming remarks not only set the stage for the lecture but also emphasized the importance of mathematical exploration in the realm of modern cryptography.

The highlight of the event was the insightful lecture delivered by Dr. K.K. Myithili. Her lecture covered key topics such as Euclidean rings, Polynomial rings, and their vital role in cryptographic applications. She effectively connected the theoretical underpinnings of ring theory to their real-world significance. She seamlessly merged abstract mathematical concepts with their practical relevance, making the content accessible and engaging to a diverse audience.

The lecture also delved into practical applications of ring theory in cryptography, showcasing its role in safeguarding sensitive information in digital communication. Dr. Myithili's inclusion of real-world examples illuminated the tangible impact of mathematical principles on data security. The event concluded on a positive note with a vote of thanks extended by Dr. S. Gomathi, Assistant Professor in the Department of Mathematics.

Outcome:

- The guest lecture achieved its objective of imparting knowledge and awareness about the integration of ring theory in cryptography.
- Participants gained a deeper understanding of the mathematical foundations underpinning secure communication and data protection.

No.of Beneficiaries: 44 students and 14 faculty members.

R. Jaya 22/8/23

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PHOTOGRAPHS