Report on National Seminar on "Role of Number Theory and Graph Theory in Mathematical Science"

Organized by the Department of Mathematics, Pachhunga University College

Date : June 12-13. 2023
Venue: EVS Seminar Hall, PUC

Invited Speakers :

1. Dr. Ramdin Mawia, Assistant Professor, Indian Statistical Institute, Bangalore
2. Dr. Lalrinpuia Tlau, Assistant Professor, National Institute of Technology Puducherry
Keynote Speakers :
1. Prof. M. Sundararajan, Head, Dept. of Mathematics & Computer Science, MZU
2. Prof. S. Sarat Singh, Dept. of Mathematics & Computer Science, MZU.

Number of Participants: 75

The two-day National Seminar was held during June 12-13. 2023 at Environmental Science Seminar Hall, PUC. Inaugural function was held on 12th June, 2023 at 10:00 a.m. The function was chaired by Dr. J. Lalvohbika, Head & Convener, Department of Mathematics, welcoming all the participants, addressing the invited speakers, the Chief guest and the Principal of Pachhunga University College with a proper warm welcoming notes. The session was graced by Chief Guest Dr. L. Thangmawia, Vice Chairman, Human Resource Development Board, Govt. of Mizoram who inaugurated the seminar and delivered a motivating speech. Prof. Lalthanzara, Principal, PUC delivered the Principal address. Brief Introduction of the invited speakers as well as keynote speakers with a power point presentation was done by the chairman. He also gave a report on 'about the Department of Mathematics at present' along with how the department could conduct a National Seminar - the funding source.He also highlighted theseminar aims and objectives, seminar schedule and why technical session has been incorporated in the seminar. The function ended with vote of thanks from Dr. Denghmingliani Zadeng, Secretary, Organizing Committee.

This was followed by Lecture Session 1. One of the invited speakers Dr. Ramdin Mawia, Assistant Professor, Indian Statistical Institute, Bangalore gave an intensive talk on Number theory from 11:00 a.m. – 12:30 p.m. and the participants actively engaged in fruitful discussions, showcasing their research and insights.Technical Session 1 started from 1:00 p.m. till 3:00 p.m. The session was chaired by Dr. Rajesh Kumar, Associate Professor, Dept. of Mathematics, PUC. Keynote address was delivered by Prof. S. Sarat Singh, Dept. of Mathematics & Computer Science, MZU. The seminar provided a platform for intellectual exchange and collaboration, enabling participants to deepen their understanding of Number Theory and explore its interdisciplinary connections.There were eight (8) participants presenting their research works. The topics covered during the sessions included congruence relations, the mathematical framework of modern physics, safety measures in banking, and the history and value of π (Pi).Day 1 ended with Lecture Session 2 where Dr. Ramdin Mawia delivered talks and presentations on various aspects of Number Theoryfrom 3:20 p.m till 4 p.m.

Day 2 started with Lecture session 3 chaired by Dr. Denghmingliani Zadeng, Assistant Professor, Dept. of Mathematics, PUC. Invited speaker Dr. Lalrinpuia Tlau, Assistant

Professor, National Institute of Technology, Puducherry delivered a talk on Graph theory from 10:00 a.m. – 11:30 p.m., he provided valuable insights and expertise on the topic. Technical Session 2 started from 11:40 p.m. till 1:30 p.m. The session was chaired by Dr. C. Zorammuana, Assistant Professor, Dept. of Mathematics, Lunglei Govt. College. The session started with a keynote address from Prof. M. Sundararajan, Head, Dept. of Mathematics & Computer Science, MZU. There were six (6) participants presenting their research works. This was followed by Lecture Session 4 chaired by Dr. Denghmingliani Zadeng, Assistant Professor, Dept. of Mathematics, PUC. Invited speaker Dr. Lalrinpuia Tlau, Assistant Professor, National Institute of Technology, Puducherry continued his talk on Graph theory from 2:00 p.m. – 3:00 p.m.

The seminar concluded with a felicitation ceremony; Best Presenter Award was presented to two participants - Mr. Zosangzuala Chhakchhuak and Mr. Sanjay Debnath, recognizing their outstanding contributions in the technical sessions. The seminar was concluded with a closing remark from Dr. J. Lalvohbika, Convener & Head, Dept. of Mathematics, PUC., expressing gratitude to all the participants for their active participation and enriching discussions. A photo session was organized to capture the memorable moments of the seminar, including all participants, the organizing committee members, and the faculty of the PUC Mathematics Department. The Number Theory and Graph Theory seminar proved to be a successful and enriching experience, promoting collaboration and contributing to the growth of mathematical research in the region.
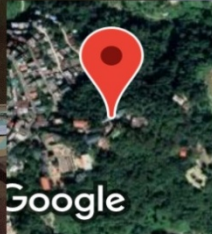
(Dr. J.LALVOHBIKA)
CONVENER & HEAD
DEPARTMENT OF MATHEMATICS

GPS Map Camera

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