

Rashtrasant Tukadoji Maharaj Nagpur University

Department of Mathematics

Report of Student Co-curricular Activities 2021-22

Under Students Co-curricular Activities for M.Sc. Students, Department of Mathematics, RTMNU, Nagpur organized Invited Talk of Dr. Aneshkumar Maharaj from South Africa on Topic entitled Expectations from University Students: A Focus on Outcomes & Work Habits on March 10, 2022 And Workshop on Public Speaking & Mathematical Studies during March 25-26, 2022.

INVITED TALK:

SPEAKER: Dr. Aneshkumar Maharaj
Associate Professor,
School of Mathematics,
University of KwaZulu Natal
(South Africa)

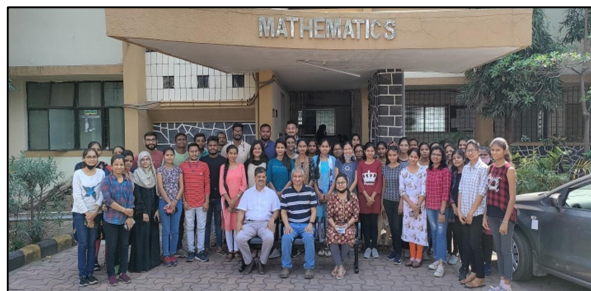
TITLE: *Expectations from University Students: A Focus on Outcomes & Work Habits*

The following points are covered in his talk:

- What do students need to do to take responsibility for their own learning?
- What is situation where to apply the knowledge of the derivative?
- What are the expected work habits and learning outcomes of post graduate students?
- What are the expectations of students from their lecturers or supervisors?



Dr. Aneshkumar Maharaj guiding students.



Students & Staff with Dr. Aneshkumar Maharaj.

WORKSHOP:

Day 1: March 25, 2022

A workshop had been organised in two phase. Dr. Sanjay Dudhe, Pro-Vice Chancellor, RTMNU inaugurated the Workshop while Dr Prashant Maheshwari, Dean, Faculty of Science and Technology, RTMNU was Guest-of-Honour.

On this occasion, Dr. Prashant Maheshwari appreciated Head of Department, for handing over complete program arrangement to students and he praised that student had done it greatly. He told that communication intended and communication received is the most important part in public speaking where listening is the foundation of communication. While speaking is the next important thing, that's why we have two ears and one mouth. Listen twice and speak once, that's the beauty of almighty. He also suggested students and teacher that teacher without writing much on the black board, probably he had communicated students what he wanted to explain, what concept behind it, and then it would be better for student to understand the topic. He also suggested two online courses for students, 'Developing Soft Skills & Personality' and 'Enhancing Soft Skills & Personality' by Prof Dr. Ravichandran, IIT Kanpur on Swayam NPTEL platform.



Dr. Prashant Maheshwari addressing the gathering.

Dr. Sanjay Dudhe, in his presidential speech, guided students about importance of mathematics in all aspects of life and also told Positive Attitude is the most important aspect in student's life. He explained that when a person works on a mission, he got success. Same way, student must need to be mad in their studies until got succeeded.



Dr. Sanjay Dudhe presided over the inaugural function.

In this workshop, Dr Shrikant Chaudhari, Director, School of Mathematical Sciences, Kavayitri Bahinabai Chaudhari North Maharashtra University, Jalhgaon and Ms. Sidrah Khan, HR Executive, ZS Associates, Pune guided the students and also arranged practical experience of the topics.

SPEAKER: Dr Shrikant Chaudhari

TITLE: *Fuzzy Mathematics*

The following points are covered in his talk:

- Introduction to Fuzzy Mathematics: Characteristic and importance of Fuzzy Mathematics.
- Subjectivity and aggregation of sets in Fuzzy Mathematics.
- Two Main Issues: Representation which depends not only on Concept, but also on the context in which they are in used, & their representation is subjective in nature.
- Truth Value of *if then* statement in Fuzzy implication.
- Types of Fuzzy Implications: *S*-Implication, *R*-Implication, *QL*-Implication.
- Other Concepts: T-norm, T-conorm, Fuzzy Matrix, etc.



Dr Shrikant Chaudhari speaking during workshop.

SPEAKER: Ms. Sidrah Khan

TITLE: *Public Speaking*

The following points are covered in her talk:

- Purpose of Public Speaking: why and where good & fluent communication skill is required.
- Job Market & Opportunities: Right Way to Reach out – Select professional way to connect; Networking; & Resume Building.

- Interview Skills: Body Language; Confidence; Assertiveness; Research; Analysing the Situation; & Professionalism.
- Systematic & purposeful interactive oral process for Group Discussion.



Ms. Sidrah Khan addressing the gathering.

Day 2: March 26, 2022

On this day, a Department had organised a Group Discussion Competition for Students. All the PG Students of First and Second year of Department of Mathematics, RTMNU had participated. Group of students were formed, consisting of 10 numbers in each group. Total 90 students present and participated in the competition. Mr Kapil Sardar won First prize; Ashwini Ramteke won Second Prize and Payal Yende won Third Prize.



The first prize winner Kapil Sardar

The co-ordinator of the Invited talk and the two day Workshop on Public Speaking and

Mathematical Studies, Dr G.D Kedar, Professor and Head, Department of Mathematics proposed a Vote of Thanks to all dignitaries who spare their time for this program. He also appreciated the Student of the Department on successful completion of the event.

Organising Committee

Coordinator	Dr. G. D. Kedar
Member	Dr. G. S. Khadekar
	Ms. Nidhi Shahare
	Mr. Nikhil Jaipurkar
	Mr. Bhushan Balpande