

## Report of PTMT – Tezpur 2019

**Programme Title :** PTMT – Tezpur 2019 (Pedagogical Training for Mathematics Teachers)

**Date :** 25 – 30 December, 2019.

Organized by MTTs TRUST and Tezpur University, Assam

**Venue :** Department of Mathematical Sciences, Tezpur University

**Funded by :** MTTs Trust under the aegis of National Board for Higher Mathematics

(D.A.E. Govt. of India)

### **Introduction**

Mathematics Training and Talent Search (MTTS) and PTMT programmes, funded by the National Board for Higher Mathematics, are organized under the aegis of MTTs Trust. The MTTs Programme has turned out to be very successful for more than two and a half decades and has motivated a large number of students to pursue a career in mathematics. We believe that a large number of students would benefit if we acquaint mathematics teachers with the methodology adopted in the MTTs programme. PTMT attempts to familiarize mathematics teachers teaching at undergraduate and postgraduate levels with the methods followed in MTTs programme. Faculty well-versed with MTTs programme will share the pedagogy of teaching mathematics with participants.

### **Theme of the Programme**

The programme will concentrate on Group Theory. Abstract Algebra is one of the basic mathematics courses a student of mathematics encounters in an undergraduate programme. It requires imagination and subtle reasoning, and has a strong geometric flavour which needs to be transmitted to the students in a rigorous and clear manner. The objective of the programme is to train the teachers to teach algebra in an enjoyable and meaningful way.

### **Participants**

The participants were mainly mathematics teacher, teaching in UG/PG departments of Indian colleges and universities. A total of 60 applications were received from different colleges and universities of all over India out of which only 34 were selected to participate in the programme.

**Programme Director :** Prof. S. Kumaresan, Director, MTTs Programme, Department of Mathematics and Statistics, University of Hyderabad, Hyderabad-500046.

**Academic Coordinator :** Prof. G. Santhanam, Department of Mathematics, IIT Kanpur.

**Local Coordinator :** Dr. D. K. Basnet, Department of Mathematical Sciences, Tezpur University.

### **Resource Persons :**

1. Prof. G. Snathanam, Department of Mathematics and Statistics, IIT Kanpur.
2. Dr. Ananthnarayan Hariharan, Department of Mathematics, IIT Bombay.
3. Dr. Shameek Paul, Department of Mathematics, RKMVERI, Belur Math, Kolkata
4. Prof. D. K. Basnet, Department of Mathematical Sciences, Tezpur University.

  
HEAD  
Department of Mathematical Sciences  
Tezpur University

Throughout the six days, daily four lectures were delivered. Pre lunch two sessions each of 90 minutes followed by a 45 minutes group discussion and post lunch two sessions each of 75 minutes.

At the end of the programme almost all the participants praised highly about the programme, which was clear from their feedback forms.

**Some snapshots:**



**Inaugural Session**



**Group Photo of all the resource persons and the participants, at the end of the programme**

*Chats*  
**HEAD**  
Department of Mathematical Sciences  
Tezpur University



# PTMT, Tezpur - 2019

## PEDAGOGICAL TRAINING FOR MATHEMATICS TEACHERS

### December 25 – 30, 2019



Venue: Tezpur University, Assam

Organized by MTTs TRUST and Tezpur University, Assam

Webpage: [www.mtts.org.in](http://www.mtts.org.in)

#### ABOUT THE PROGRAMME

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#### ABOUT MTTs TRUST

**MTTS TRUST** is a non-profit educational trust. The primary objective of the trust is to organize all activities under MTTs umbrella and to get engaged in other activities that are important for the country to keep its eminence in higher mathematics.

If you wish to contribute to MTTs in any way (financial or otherwise), please get in touch with us. For more details on the MTTs Trust, visit [www.mtts.org.in/mtts-trust](http://www.mtts.org.in/mtts-trust).

Those who wish to organize mini-MTTs or PTMT Programme can visit [www.mtts.org.in/organize](http://www.mtts.org.in/organize) and apply online. Proposals which assure partial financial support may be given preference.

#### ACADEMIC COORDINATOR

**Prof. G. Santhanam**  
Department of Mathematics  
Indian Institute of Technology  
Kanpur 208016, India  
Email: [gsanthana@gmail.com](mailto:gsanthana@gmail.com)

#### LOCAL COORDINATOR

**Dr. Dhiren Kumar Basnet**  
Coordinator, PTMT 2019, Tezpur  
Associate Professor  
Department of Mathematical Sciences  
Tezpur University  
Napaam- 784028, Sonitpur, Assam  
Contact: +91-9435031700

#### ELIGIBILITY & APPLICATION PROCEDURE

Any mathematics teacher, teaching in UG/PG departments. Preference will be given to young teachers from the Institutions in the North East Region.

The details of the programme is available at <http://mtts.org.in/1b0m>

Please read the procedure given at <http://mtts.org.in/d4q2> and prepare and submit your application online. Please note that you also need to send a signed copy of the printout (preferably by speed post) of the application to the Local Coordinator.

#### SELECTION

Only selected candidates will be informed of their selection by November 25, 2019. The list of selected candidates will also be posted on PTMT webpage.

Candidates selected for the programme will be paid train/bus fare by the shortest route and will be provided free boarding and lodging for the duration of the course.

Any other instructions and guidelines for the participants will be published in the PTMT website.

#### IMPORTANT DATES

- Online application: Opens from October 6, 2019 and ends on November 11, 2019.
- Signed application form should reach the local co-ordinator by November 15, 2019.
- Date of publishing selection list: November 25, 2019
- Confirmation from the selected participants should reach the Local Co-ordinator at the email by: November 30, 2019
- Programme dates: December 25, 2019 to December 30, 2019

#### ABOUT TEZPUR UNIVERSITY

Tezpur University is a central university located in Tezpur in the North Eastern state of Assam established by an Act of parliament in 1994. This university is awardee of Visitors Best University Award, 2016; ranked 5th among Indian top 100 universities of MHRD-NIRF 2016. It is one of the Premier Higher Learning Institutions of India and is fully residential University, which has recently featured in the Times Higher Education (THE) Worlds top 20 Best Small Universities, offers 73 academic programmes through 22 departments under the Schools of Engineering, Humanities & Social Sciences, Management, and Sciences. The University also offers 07 programmes under its open and distance mode. With more than 4000 students, 250+ faculty members and 270+ administrative and technical personnel, the University today is a hub of quality activities in higher education and research. In its 25th glorious year, the University has emerged as one of the most sought after universities in the North East and striving to become a truly outstanding university in the country and in the global arena.

*Handwritten signature*  
**HEAD**  
Department of Mathematical Sciences  
Tezpur University