

C-MMACS ACADEMIC PROGRAMME

In keeping with its objective of developing skill and expertise in Mathematical Modelling and Computer Simulation in the country, C-MMACS maintains an active academic programme. The activities span the entire spectrum from Ph D guidance to undergraduate/postgraduate student projects to specialized courses. Students and professionals from a wide spectrum of organizations including industries across the country have been benefiting from our various academic programmes over the years.

Inside

- **Ph D Programme**
- **Seminar by Project Assistants**
- **Faculty participation**





Ph D Programme

S No	Name of scholar	Guide	Co-guide
1	G N Mahapatra	P Goswami (C-MMACS)	P K Mohanty (Berh. Univ)
2	Jurishmita Baruah	P Goswami (C-MMACS)	KM Balakrishna (MU)
3	K C Gouda	P Goswami (C-MMACS)	-
4	K Madhukar	T R I S Ramamohan (C-MMACS)	Shivkumara (BU)
5	M S M Vijayan	Sridevi Jade (C-MMACS)	-
6	Nava Hazarika	V K Gaur (C-MMACS)	-
7	Saigeetha Jagganathan	Sridevi Jade (C-MMACS)	-
8	S Himesh	P Goswami (C-MMACS)	S V Goud (BU)
9	S Mahanto	P Goswami (C-MMACS)	A Kumar (TV)
10	S Mullick	P Goswami (C-MMACS)	-
11	V.Senthilkumar	G Prathap (VC, CUSAT)	S C Pradhan (IIT, KGP)

Imtiyaz A Parvez & Gaur V K

Developing a Single Algorithm for Computing the Elastic Green's Function (Impedance) Between two Points on the Surface of an Isotropic, Homogeneous, Half Space using Scattered Seismic Signals to Determine the Underlying Earth Structure, Bishwas Jyoti Das, M.Tech Project Trainee, Tezpur University, 8 June 2007.

Receiver Function Analysis of Broadband Seismic Data, Kawsar Ahmed Laskar, M.Tech Project Trainee, Tezpur University, 8 June 2007.

Probability Of Occurance of Different Magnitude Earthquake in Sikkim Himalaya, Sidhartha Sarothi Borah, M.Tech Project Trainee, Tezpur University, 8 June 2007.

Malay Mukul

Surface Displacement Field due to the Faults, Jatin Patar, M.Tech Project Trainee, Tezpur University, 8 June 2007.

Quantification of Strain In Naturally Deformed Rocks From Thin Sections Using Center-to-Center Fry Method, Sneha Biswas, IIT-Kharagpur, 6 June 2007.

Seminar by Project Assistants (M.Tech Thesis/ BE/ MCA Projects)

Anil Kumar V

Unsolicited Packet Analyzer, Bodhy Krishna S, DOEACC Centre, Calicut, 1 December 2007.

Analysis & Mitigation of Relector Based Distributed Denial of Service Attacks, Sivapooranam S, M.Tech – IT (Networking), Vellore Institute of Technology, VIT University, VIT University, 2 April 2007.

Passive Router Buffer Estimation, Vidya Nayak, Vinutha Nayak, Veena T S, Siddharth Shankaran, B M S College of Engineering, 21 May 2007.

Goswami P

Migration of Code from Fortran to C++ and Validation, Amar Jyoti Goswami, Arijit Saha, Biswadeep Gupta Roy, Mintu Dutta, Tezpur University, 16 May 2007.

Neural Network Modelling for Prediction of Rainfall, Ramya B R, Shruti J S, Dheeraj D, Sri Krishna Institute of Technology, 16 May 2007.

Patra G K

Design of Cryptographic Key Agreement Protocol: Secure Key From Random Binary & Ternary String, Balaji A, M.Tech, SCE, Vellore Institute of Technology, VIT University, 2 April 2007.

Analysis of Online and Offline Parameter Estimation Attacks during Chaotic Synchronization for Secure Communication, Asha Chirian, Pondicherry Engineering College, 21 May 2007.

Senthilkumar V and Prathap G

Validation of a Finite Element Model of an Aircraft Fuselage Structure using Dynamic Test Data, P Rajesh, M.Tech (Design Engineering).

Thangavelu R P and Prabhu N

Automated Online Submission of Knowledge Management System, Gopal Paul, Kiran Kumar Araveti, Dayanand Sagar College of Management & Information Technology, 7 June 2007.



Faculty Participation

Department of Mathematical Sciences, Tezpur University, Tezpur, 14-18 May 2007

Imtiyaz A Parvez

Plate Tectonics, Earthquake Waves and Parameters

Earthquake Source, Focal Mechanism, Seismometry, historical and modern seismometers

Probabilistic and Deterministic Seismic Hazard Assessment; background and applications

Microzonation and Site Specific Ground Motion Modelling in Delhi City

Microtremor array observation and site response in Ahmedabad

Site-specific Seismic Hazard: Estimation of Nonlinear Soil Behaviour

DST Sponsored Contact Course on Shear Zones, Banaras Hindu University, Varanasi, May 22, 2007

Malay Mukul

Deformation Mechanisms in Shear Zones

SERC School on Crustal Deformation and Tectonic Geomorphology Module 4: Paleoseismology, R. R. Lalan College, Bhuj, Gujarat, November 18, 2007.

Malay Mukul

Paleoseismology and Neotectonic studies as tools for studying deformation in active regions

Workshop on Combined Analysis of GPS Data of North-East India Region, C-MMACS, November 19-23, 2007,

Malay Mukul

Concepts in Plate Tectonics
Tectonics of North East India

Sridevi Jade

GPS analysis theory

GAMIT theory

GLOBK theory

Review of GPS data analysis using GAMIT

Review of GPS data analysis using GLOBK

Vijayan M S M

Combined velocity analysis of the north-east Indian GPS data

Second Workshop/Meeting of the Network Project Seismic Hazard in Asia, C-MMACS, March 31, 2008.

Imtiyaz A Parvez

Quantification of Seismic Hazard in Indian Subcontinent

