



## नवम दीक्षांत समारोह

भारतीय प्रौद्योगिकी संस्थान गुवाहाटी  
शुक्रवार २५ मई २००७

## Ninth Convocation

Indian Institute of Technology Guwahati  
Friday 25 May 2007



Indian Institute of Technology Guwahati

Ninth Convocation

Friday, 25 May 2007



## Programme

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Entry of the Academic Procession into the Convocation Hall

Invocation

Declaration of the Opening of the Convocation by the Chairman, BoG

Welcome of the Chief Guest and the speech by the Chairman, BoG

Report by the Director

Convocation Address by the Chief Guest

Award of PhD, MTech, BTech, BDes and MSc Degree Certificates  
by the Director

Presentation of the Dr. Shankar Dayal Sharma Gold Medal  
by the Chairman, BoG

Presentation of Institute Medals by the Chief Guest

Pledge by the Graduates

Declaration of the closing of the Convocation by the Chairman, BoG

National Anthem

Exit of the Academic Procession from the Convocation Hall



## Board of Governors

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- |    |  |                    |                                   |
|----|--|--------------------|-----------------------------------|
| 1. | Mr. A. K. Saikia<br>(Up to 25.10.2006)<br>H – 8, SECTOR – 27<br>NOIDA – 201 301, Uttar Pradesh   | Chairman           |                                   |
| 2. | Dr. M. K. Bhan<br>(from 26.10.2006)<br>Secretary,<br>Department of Biotechnology<br>Ministry of Science & Technology<br>C. G. O. Complex<br>(Block 2,7th Floor)<br>Lodi Road, New Delhi – 110003 | Chairman           |                                   |
| 3. | Prof. G. Barua<br>Director, IIT Guwahati   | Member, ex-officio |                                   |
| 4. | Dr. Nilambhar Pant<br>(up to 11.06.2006)<br>Member Space Commission<br>No. 10, ISRO Complex, Bopal<br>Ahmedabad – 380058   | Member             |                                   |
| 5. | Prof. B. P. Khandelwal<br>(up to 11.06.2006)<br>Director<br>National Institute of Educational<br>Planning & Administration<br>(NIEPA)<br>17-B, Sri Aurobindo Marg<br>New Delhi – 110 016         | Member             | Nominees of<br>the IIT<br>Council |
| 6. | Mr. K. M. Acharya<br>Addl. Secretary (S&HE)<br>Govt. of India<br>Dept. of Secondary & Higher<br>Education<br>Ministry of HRD<br>Technical Section – I<br>Shastri Bhavan<br>New Delhi – 110 001   | Member             |                                   |
| 7. | Mr. P. K. Lahiri<br>Chairman<br>Indian School of Mines, Dhanbad<br>B – 8, 2 <sup>nd</sup> Floor, Green Park<br>Extension, New Delhi – 110 016  | Member             |                                   |

8.	Mr. Provash Chandra Neogy (from 12.06.2006) EC – 126, Sector - I Salt Lake, Kolkata – 700 064	Member	Nominees of the IIT Council
9.	Mr. K. Shankar Narayanan (from 12.06.2006) H – 87, Bag Mugalia Extension Bhopal – 462 043	Member	
10.	Dr. S. C. Saha (up to 18.11.2006) Principal Tripura Engineering College Barjala, Jirania, Tripura (West)	Member	Nominee from Govt. of Tripura
11.	Mr. Alok Kumar, IAS Commissioner & Secretary to the Govt. of Assam Dept. of Secondary & Higher Education Dispur, Guwahati – 781006	Member	Nominee from Govt. of Assam
12.	Mr. P. Bharat Singh, IAS (from 19.11.2006) Commissioner to the Govt. of Manipur Dept. of Higher & Technical Education Manipur Secretariat, South Block Imphal, Manipur – 795001	Member	Nominee from Govt. of Manipur
13.	Prof. Sukumar Nandi (up to 31.12.2006) Professor Dept. of CSE, IIT Guwahati	Member	Nominees of the Senate
14.	Prof. P. K. Bora (from 01.01.2007) Head & Professor Dept. of ECE, IIT Guwahati	Member	
15.	Prof. J. B. Baruah Dean (R&D) and Professor Dept. of Chemistry, IIT Guwahati	Member	
16.	Dr. B.N. Raychoudhury Registrar, IIT Guwahati	Secretary (Ex-officio)	

## Organisation

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Dr. M.K. Bhan	Chairman, Board of Governors
Prof. Gautam Barua	Director
Prof. A. Mahanta	Dean of Faculty Affairs
Prof. J.B. Baruah	Dean of Research & Development
Prof. S.C. Mishra	Dean of Academic Affairs
Prof. A. Srinivasan	Dean of Administration
Dr. S. Dandapat	Dean of Students' Affairs
Dr. B. N. Raychoudhury	Registrar

### Heads of Departments

Dr. P. Goswami	Biotechnology
Dr. A.K. Ghoshal	Chemical Engineering
Prof. A.T. Khan	Chemistry
Dr. A. Dutta	Civil Engineering
Prof. S. Nandi	Computer Science and Engineering
Mr. R.M. Punekar	Design
Prof. P.K. Bora	Electronics and Communication Engineering
Dr. S. Borbora	Humanities and Social Sciences
Dr. R. Alam	Mathematics
Prof. U.S. Dixit	Mechanical Engineering
Prof. A. Khare	Physics

### Heads of Academic Centres

Dr. P. Mahanta	Centre for Energy
Dr. M. Jawed	Centre for the Environment
Prof. A. Chattopadhyay	Centre for Nanotechnology





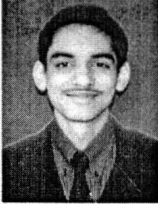
## Gold and Silver Medallists

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**President of India Gold Medal**

Y. Praveen Kumar  
Electronics and Communication  
Engineering



**Silver Medal**

Himanshu Sharma  
Computer Science and Engineering



**Silver Medal**

Ankur Pahuja  
Mechanical Engineering



**Silver Medal**

Rohit Kumar Rai  
Civil Engineering



**Silver Medal**

Nisha Rajagopal  
Biotechnology



**Silver Medal**  
Divya Gupta  
Design



**Silver Medal**  
Aurab Chakrabarty  
Physics



**Silver Medal**  
Neeraj Misra  
Mathematics and Computing



**Dr. Shankar Dayal Sharma Gold Medal**  
Nakul Singh Shekhawat  
Mechanical Engineering

**List of students who have fulfilled the requirements for the award of BTech degree in Computer Science and Engineering**

<b>Roll No.</b>	<b>Name</b>
03010101	Abhimanu Kumar
03010102	Ajit Kumar Singh
03010103	Alok Chandra
03010104	Alok Kumar Parmesh
03010106	Ashimjyoti Das
03010107	Bhawna Bharti
03010108	Chander Prakash
03010109	Gaurav Vijay
03010110	Himanshu Dubey
03010111	Hridhhi Sunder Doley
03010112	Kumar Abhinav
03010113	Lakshya Malhotra
03010115	Makbul Siram
03010117	Marella Aditya
03010118	Mohit Singal
03010119	Neeraj Gupta
03010120	Rajeev Gupta
03010121	Ravi Jain
03010122	Ritesh Kumar
03010123	Sachin Mangla
03010124	Sandeep Yadav
03010125	Seema Nagar
03010126	Shashank Kalra
03010127	Shashi Shekhar

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03010128	Sri Satya Aravind Akella
03010129	Sundarkumar Ramsundar
03010130	Udit Narayan
03010131	Vikas Garg
03010132	Vikrant Chahar
03010133	Vimal Kumar Gupta
03010134	Vinay Kumar Tibrewal
03010135	Vishal Kumar Lahoti
03010136	Vivek Jain
03010137	Chhaya Sharma
03010138	Deepak Kumar Singh Bhadauria
03010139	Himanshu Sharma
03010140	Kranthi Kumar Mannem
03010141	Madarapu Ashok
03010142	Natukula V. Pavan Kumar
03010143	Nitin Verma
03010144	Sachin Upadhyay
03010145	Siddharth Gupta
02010124	Raju Ranjan
02010127	S Kumar Mamillapalli
02010128	Sanjay Kumar

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**List of students who have fulfilled the requirements for the award of BTech degree in Electronics and Communication Engineering**

<b>Roll No.</b>	<b>Name</b>
03010201	Abhinav Dwivedi
03010202	Abhinav Jalwal
03010204	Abhishek Kumar Singh
03010205	Aditya S.V.
03010206	Akash Bhunchal
03010207	Anil Kumar
03010208	Anvesh Reddy Junnuthula
03010209	Archit Arya
03010210	Ashna Dhanda
03010211	Bunzen Deka Baruah
03010212	Cholleti Vipin Krishna Reddy
03010214	Deepak Garg
03010215	E. Sowmya Sudha
03010216	G. Anil Kumar
03010217	K.V. Raghavendra Reddy
03010218	Kriti Sundar Das
03010219	Madat Brahma
03010220	Manish Kumar
03010221	Mantha Ajay
03010222	Mohit Jaju
03010223	Naman Saraf
03010224	Narendra Babu Poteneni
03010225	Pawan Kumar
03010226	Prashant Chaudhry

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03010227	Rajdeep Shyam
03010228	Rajeev Kumar
03010229	Rajib Das
03010231	Rohit K.
03010233	Sanjay Kumar Verma
03010235	Sumit Srivastava
03010236	Udit Pareek
03010237	V. Vishal
03010238	Vaibhav Bansal
03010239	Vishal Sood
03010240	Y. Praveen Kumar
03010241	Himanshu Nazkani
03010242	Kanchan Mishra
03010243	Mohd. Yasser Aftab
02010206	Akkala Arjun
02010208	Aman Gujaria
02010229	Rahul Sachdeva
02010232	Sashikanta Nayak
001216	Lopamudra Boro

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**List of students who have fulfilled the requirements for the award of BTech degree in Mechanical Engineering**

<b>Roll No.</b>	<b>Name</b>
03010301	Abhishek Mishra
03010302	Anas Viqar
03010303	Ankur Pahuja
03010304	Atul Kumar Garg
03010305	Cholleti Chaithanya Kumar
03010306	Dani Rissang
03010307	Deepak Kumar
03010308	Deepankar Garg
03010309	G. Rajkumar
03010310	Sohil Garg
03010311	Gaurav Jindal
03010314	K. Venkata Manoj
03010315	K. Vidya Sagar
03010316	Kishore Aggarwal
03010317	Kolan Sreekanth
03010318	Leksar Modi
03010319	Mohammad Shadan
03010320	Nakul Singh Shekhawat
03010322	Nikhil Chandra Behera
03010323	Nirdosh Kumar
03010324	Nitish Kumar Roy
03010325	Noothi Ravi Kiran
03010326	Prateek Prasad
03010327	Puneet Chhabra



03010328	Rahul Kumar
03010329	Rajpreet Singh
03010330	Ravi Gupta
03010331	Ravi Kumar Patni
03010332	Sanjeev Kumar Meena
03010333	G. Sasi Sekhar
03010334	Saurabh Garg
03010335	Shailendra Kumar Mishra
03010336	Shrawan Kumar Nirala
03010339	Singh Jaspreet
03010340	Sudhanshu Kumar
03010341	Sudhendu Azad
03010342	Venu Yaramshetti
03010343	Vivek Kumar
03010344	Yogesh Yadav
02010315	Himanshu Bisht
02010318	K. Vinayesh Reddy
02010338	Rajesh Kumar
02010347	V. Puneeth Kumar M
02010350	Venkata Ramana Kalagata
02010351	Vijayasekhar Brahman Y.

**List of students who have fulfilled the requirements for the award of BTech degree in Civil Engineering**

<b>Roll No</b>	<b>Name</b>
03010401	Abhishek Kumar Singh
03010402	Anikendra Das Choudhury
03010403	Animesh Das
03010404	Bhavya Kumar Jain
03010405	Debraj Nasker
03010406	Ippili Sriramamurthy
03010407	I. Uday Sekhar
03010409	K. Rajendra Prasad Reddy
03010411	Korla Suresh
03010412	Kumar Diwakar
03010415	Mrinal Verma
03010416	Nishant Garg
03010419	Prashanth Kumar J.
03010420	Prashanth Kunapaneni
03010421	Putha Rahul
03010422	Rahul Vaish
03010423	Rajeev Ranjan Kumar
03010424	Ram Lal Banshiwal
03010425	Rohit Kumar Rai
03010426	S. Rahul Reddy
03010429	Shivaram Ranjith H.
03010431	Sudarshan Saraf
03010432	Sultan Ahmed
03010434	Vaibhav Aggarwal
03010435	Venkata Bhargav Garimella
02010409	N. Subramanian

**List of students who have fulfilled the requirements for the award of BTech degree in Biotechnology**

<b>Roll No.</b>	<b>Name</b>
03010601	Anmol Kiran
03010602	Avadutala Balasubrahmanyam
03010604	Batta Ravi Shankar
03010606	Gurtej Singh
03010607	Khadam Kamal Kishore
03010609	Mohenish Jaiswal
03010610	Nilakshi Das
03010612	Nisha Rajagopal
03010613	Om Prakash Choudhary
03010614	P.V. Durga Prasad
03010615	Purkanti Ramya
03010616	Sahil Chaudhry
03010617	Tittu Thomas Nellimoottil
03010619	Vemuri Ravi Shankar
03010620	Venkat Kishore Ryakala
03010621	Vikas Sharma
02010611	Lokesh Kumar
02010614	Manish Kaushik

**List of students who have fulfilled the requirements for the award of BTech degree in Chemical Engineering**

<b>Roll No.</b>	<b>Name</b>
03010701	A. Damodar Reddy
03010702	Abhigyan Gupta
03010704	Bhalinder Singh Gill
03010705	Borkar Chetan Pundlik
03010707	Girish Kumar Agarwal
03010709	Gundeep Singh Saini
03010710	Jitendra Kumar Verma
03010712	Kumar Saurabh
03010714	Mayank Singla
03010715	Neha Tomar
03010716	Saurabh Dhir
03010717	Siddhartha Purohit
03010720	Umang Chhabra
03010723	Vivek Inder Sharma
03010724	Wrishikesh Sutradhar
03010725	Joydeep Barman
02010711	Gaurav Bansal
02010718	Shabroz Singh Gill

**List of students who have fulfilled the requirements for the award of BDes degree in Design**

<b>Roll No.</b>	<b>Name</b>
03020501	Abhishek Dhall
03020502	Amit Bharti
03020503	Dinesh Nagar
03020504	Divya Gupta
03020505	Kartikeya Shandilya
03020506	Lakshyajeet Gogoi
03020507	Manshu Aneja
03020508	Monil Khare
03020509	Nishant Mungali
03020511	Prashant Dixit
03020514	Saurabh Srivastava
03020515	Shaiz Kunhimohammed
03020517	Sidharth Mohan Kallepalli
03020518	Sumit Nair
03020519	Vedant Mehta
03020520	Vikram Batra

**List of Students who have fulfilled the requirements for the award of the MSc degree in Physics**

<b>Roll No.</b>	<b>Name</b>
05212101	Aniruddha Sarkar
05212103	Ashim Chakravarty
05212104	Aurab Chakrabarty
05212107	D N V Vinay Ajay Babu
05212108	G. Ameer Basha
05212110	Lalrinthara Pachuau
05212112	Muniswami Naidu R.V.
05212114	Partha Saikia
05212115	Pc Lalngilneia
05212116	Praveen Kolla
05212120	Sindhuja B
05212121	V Krishna Cherukumalli
04212102	Arnab Kanti Mishra

**List of Students who have fulfilled the requirements for the award of the MSc degree in Chemistry**

<b>Roll No.</b>	<b>Name</b>
05212201	Bidraha Bagh
05212203	Dadu Shaik
05212204	Dipankar Saha
05212205	Indrani Bhattacharyya
05212206	Koora Praveen Kumar
05212207	Md. Ashif Ali
05212210	Nirmal Kumar Rana
05212211	Partha Pra! Tim Jana
05212212	Rajib Choudhury
05212214	Sanjay Samanta
05212215	Sarifuddin Gazi
05212216	Shaon Joy
05212217	Soumyajit Das
05212220	Subrata Kumar Ghosh
05212221	Tamal Kumar Sen
05212222	Mrinmoy Saha



**List of Students who have fulfilled the requirements for the award of the MSc degree in Mathematics and Computing**

<b>Roll No.</b>	<b>Name</b>
05212301	Ankur Bharali
05212302	Arunjyoti Sarmah
05212309	Neeraj Misra
05212311	Nishigandha Misra
05212313	Pawan Kumar
05212314	Porinita Chutia
05212315	Prasenjit Bhowmik
05212316	Rukhsana Shehla
05212317	Sanjeeb Kumar Mohapatra
05212319	Smriti Awasthi
04212312	Paliwal Raviraj Ganesh



**List of students who have fulfilled the requirements for the award of the M.Tech. degree in Computer Science and Engineering**

<b>Name</b>	<b>Roll No.</b>	<b>Project Title</b>
Ajit Jain	04410101	Range Query over structured overlay network
Bhalsing Swapnil Suresh	04410103	Fixed Wireless LAN for Rural Areas
Brajesh Gupta	04410104	A Cluster based Query Driven Routing Protocol for Wireless Sensor Network
CH. Venkateswarlu	04410105	Specification and Verification of Distributed Shared Memory Consistency Models
D.V. Sandeep	04410106	Developing a Frame work for analysis of extended hierarchical finite state machine
Kalathuru Bhargava Ram	04410109	Sparse Matrix Factorizations on External Memory Bulk Synchronous Parallel Model
Kunta Sandeep Reddy	04410110	Dynamic Program Slicing
Manish Kumar Dewangan	04410113	Analysis of IEEE 802.11e Protocol using Probabilistic Model Checking
M. Thirumala Reddy	04410114	Seamless Handover between IEEE 802.11 and IEEE 802.16 Networks
Makwana Chirag Yashwantbhai	04410115	Node Scheduling in Wireless Sensor Networks
Narayanasetty Amarnadh	04410117	Upper Bound on the Dilation of Triangulations of Cyclic Polygons
Pemmaraju Rama Krishna	04410118	Hardware Software Partitioning in Embedded System using Genetic Algorithms
Prakash J. J.	04410119	On Line Devanagari Character Recognition
Prasad Sodagudi	04410120	Verification of a leader Election Algorithm in Mobile Ad-hoc Networks
Preeti Malakar	04410121	A Simple Security Policy for the Linux Kernel

Rajiv Kumar Poddar	04410122	Verification of Giotto based Embedded Control Systems
Rajwala Pinkeshkumar Prabhudas	04410123	L-DBSCAN: A Fast hybrid Density based clustering method
Ratna Manoj Bolla	04410124	Implementation of Disturbed Shared Memory in Openmosix
S. Ashwin Kumar	04410125	Energy Aware Routing in MANET
Santosh Prasad Nayak	04410126	Concurrent Cache Oblivious Searching
Satti Somi Reddy	04410127	Quality of Service in 4G Systems
Thimma Reddy Maramreddy	04410128	External Memory Graph Algorithms
V. Chennakesavulu	04410129	Security Issues in Wireless Sensor Networks
Yogesh Kumar Paliwal	04410131	Location Aware Efficient Adaptive Routing in MANET
K. Saravanakumar	04410132	A Hybrid Scheme for Spoken Noisy Vowel Recognition
Bhosle Trupti Narendra	04410135	Efficient Versioning File System
Sandeep Kumar Patra	04410136	An Incremental Document Clustering Technique using Overlap Pattern Graph
Sawant Pradnyesh Ulhas	05410107	Fault Tolerance in Server Cluster Backend for Thin Client Environment <sup>139</sup>
Soni P	05410114	A Communication Architecture for Networked Robots and Human Beings
Brajesh Kumar Shrivastava	05410115	Performance Enhancement in Peer-to-Peer Systems
Ram Kumar Rathore	05410120	A Communication Architecture for Networked Robots and Human Beings
Rashmi Dutta Baruah	05410138	Towards Building a Social Network of Human Beings and Robots

**List of students who have fulfilled the requirements for the award of the MTech degree in Electronics and Communication Engineering with Specialization in Signal Processing**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
Aashish Dhembare	04410201	Identification and Control of Nanopositioning System
Ajeet Kumar Singh	04410202	Power Delay Estimation in C,RC,RCL Interconnects and its Reduction using Repeaters
Amit Mathur	04410203	Wavelet Support Vector Machine in Face Detecion
Anaparti Ramesh Babu	04410204	High Level Power Reduction in FPGAs with Bypassing Technique
D. Vijaya Bhargava	04410207	Design, Fabrication and Analysis of MEMs Based Vertical Mirror with Two Degrees of Freedom
Deepika Hazarika	04410208	Tracking of Cardiac Motion Using Unscented Kalman Filter
Ganesh Ramani	04410209	Multiple Target Tracking
Gurpreet Singh Dhaliwal	04410210	Design and Implementation of MPEG-4 Video Codec
Kakaluru Sathyaki	04410211	Leakage Current Estimation and Transistor Stacking Technique for Low Power CMOS VLSI Circuits
Kali Charan Gajula	04410212	Speaker Recognition from GSM Coded Speech Using Vocal Tract and Excitation Source Information
Kiran Bakki	04410213	Speech Enhancement in Two Speaker Environment Using Source and System Features
M. Suneeth	04410215	A New Architecture for Speaker Separation and Dereverberation
Nelam Praveena Kumar	04410216	Decision Feedback Equalization with a Class of Adaptive Algorithms
Nibaran Wary	04410217	Active Noise Control by Variable Step Size NLMS and Affine Projection Algorithms

Raja Siva Prasad	04410220	Design and Implementation of IEEE 802.11a WLAN Receiver
Ritesh Mishra	04410221	Face Detection with Pose Variation
Sumeet Gulati	04410222	Automatic Blind Recognition of Noisy and Faded Digitally Modulated Signals
Wankhede Prabodh Maruti	04410223	High Resolution Thickness Measurement Using Ultrasonic Echoes
Debasish Das	04410224	Robust Algorithm for Tracking of Incoming Ballistic Missiles
Divyanjali Satyarthi	04410225	Detection of Diabetic Retinopathy using GID Model features and VQ Classifier
G V M Sanjeevi Reddy	04410226	Design and Implementation of DVB-T Transceiver
K. Suresh Babu	04410227	Feature Extraction and Tracking of Lip Movement for Visual Speech Recognition
M. Naresh Kumar	04410228	Effective Transmitter Based Techniques for Indoor Wireless Communication
Murali Krishna Kamisetty	04410229	Efficient Space-Time Signal Processing Techniques for WCDMA Communications
Namani Gandhi	04410230	Speech Enhancement Using Spectral and Temporal Weighting
Saurav Dutt	04410234	Equalization of Time Varying MIMO Channels
Thanneeru Pradeep	04410235	Resource Allocation Techniques in Distributive Antenna OFDMA Cellular Systems
Y V Subba Rao	04410239	Symmetric Key Image Encryption Techniques Using Image Specific Knowledge
Mandar Potdar	04410240	Superresolution Image Restoration
Anil Kumar Vasanthala	05410204	Partial Encryption of Speech using Speech-Specific Knowledge
Shiva Kumar M.	05410218	Receiver Design for OFDM based IEEE 802.11a WLAN Standard.



Sunil Reddy Kunduru	05410220	Analysis and Applications of Constrained Autoregressive (CAR) Model
Dipto Dey	05410226	EBG Assisted Patch Antenna
Sridhar Kallapudi	05410228	Size Miniaturized Microwave Filters
Rajesh Korrayi	05410230	Multimodal Biometric Person Authentication using Speech and Signature Features
Bodduru Appala Naga Raju	05410232	Detection of Anatomical Features in Digital Fundus Images
Yugandhar Patnana	05410233	Keyword Spotting in Continuous Speech using VQ and HMM Models
T. Vidya Sagar	05410235	Characterization and Synthesis of Emotions in Speech using Prosodic Features
Yang Saring	05410237	Analysis and Compensation for Speech Recognition under Stress
Rabul Hussain Laskar	05410240	Voice Conversion by Transforming the Vocal-tract and Prosodic Characteristics
Baburaj P.	05410242	Modified Smith Predictor Based AQM Scheme for Network Congestion Control
Vijay Kumar M	05410243	Real Time Prosody Modification

**List of students who have fulfilled the requirements for the award of the MTech degree in Mechanical Engineering with Specialization in Machine Design**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
A Koushik	04410301	Dynamic Analysis of composite flexible manipulator using finite element method
Chandrakant Maheshwari	04410309	Prediction of the dimensional deviation in turning process using finite element method
V V N S K Mohan K	04410314	Analysis of High Speed Ball Bearings using Genetic Algorithms
Kiran Chandra Sahu	04410317	Parametric instability regions of a sandwich beam with a soft and magnetorheological elastomer core using higher order theory
Mahadevan P	04410320	Numerical and Experimental Study of Axisymmetric Cold Forging Process
Mohammed Mastan Pasha	04410323	Vibration Control of Smart FRP Composite Structures
Prasenjit Mallik	04410324	Stability of hydrodynamic polar journal scalling
R Somabhupal Reddy	04410325	Optimum Design of Roller Bearings based on genetic algorithms
R Vijayaraj Chakravarthy	04410326	Simulations Estimation of the residual unbalance and bearing dynamic parameters in rotor-bearing systems
Raja Ramesh Jakkula	04410328	Non-linear modeling of piezo ceramics using finite element method
Rajendra Kishore Oliganti	04410329	Robust and Optimal Synthesis of Mechanisms
Salunkhe Milind Atmaram	04410331	Analysis of cold flat asymmetric rolling process
Sanjeev Kumar	04410332	Characterization of acoustic barrier materials for sound transmission loss

Sanka Sai Babu	04410333	Unstructured Mesh Generation over an arbitrary two dimensional domain by hybrid advancing front technique
Satish Narayana K	04410335	Dynamic Analysis of Flexible Robotic Manipulator
Satya Narayan Chouksey	04410336	Performance of Super convergent patch recovery technique with different optimal sampling points in 2D Domain.
Souptick Chanda	04410338	Numerical Investigation of Twin Roll Strip casting process
Sushen Kirtania	04410342	Finite element analysis of carbon nano tubes
Venkata Srikanth Manda	04410346	Experimental determination of Mode I and Mixed-mode Stress Intensity factors using Strain gage technique

**List of students who have fulfilled the requirements for the award of the MTech degree in Mechanical Engineering with Specialization in Fluids and Thermal Sciences**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
A S S R Karuna Kumar	04410302	Improvement of Efficiency of the domestic cooking stores using porous media
A Sunil Kumar	04410303	Large-eddy Simulation of Subsonic Coaxial Jets
A U Mohamed Yousuf	04410304	Development of a 2D Compressible Flow Solver for Laminar and Turbulent Flows on Unstructured Meshes
Abhishek Yadu	04410305	Numerical Simulation of Supercritical Water Cooled Reactor using Lumped Parameter Model
Hari Sankar Botcha	04410311	Computational Prediction of mixing performance of single phase flow in a stirred vessel using a modified grid disc impeller
Jogendra Prasad Malladi	04410312	Numerical Simulation of Grade Change in a Multi Change Strand Continuous Casting Tundish
Komarala Kumar Raja	04410313	Numerical Investigation of Mixed Convection in Wall Jet and Offset Flows
Suresh Kumar Kinthali	04410316	Numerical Simulation of Laminar Viscous Two Dimensional Incompressible Flow by multigrid finite volume method
Raj Kamal Tiwari	04410330	Computational Fluid Dynamics Analysis of Flow Behaviour Heat Transfer in Nanofluids
Saraiah Thotla	04410334	Optimum Design Configuration of Savonius Rotor Through Wind Tunnel Testing
Srinivasa Rao Purimitla	04410339	Numerical Modeling of inclusion separation process in a continuous casting tundish



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Tapan Kumar Mishra	04410344	Control of transition in plane flows and multigrid accelerated computation of 3D time dependent incompressible viscous flows.
Prabodh Kumar Panigrahy	04410349	Development of a Test Setup to Study the sloshing behaviour of liquids in baffled tanks
Chinige Sampath Kumar	05410337	Experimental Study of Pulsating Flows in a pipe

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**List of students who have fulfilled the requirements for the award of the MTech degree in Civil Engineering with Specialization in Structural Engineering**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
Ajaya Kumar Jena	04410402	Object Oriented Finite Element Implementation for Elasto-Plastic Timoshenko beam
Ambavaram Hari Krishna	04410404	Analysis of FRP strengthened reinforced concrete beam
Amit Fakirrao Wadekar	04410405	Study on Concrete failure and damage
Antony A.	04410409	Retrofitting of RC building for strong column weak beam design criterion
D. Harikrishna	04410413	Tuned liquid column damper for vibration control of structures using genetic algorithm
Garnish Kashung	04410415	Seismic response of concrete gravity dam : a case study
Jamma Venugopal Reddy	04410416	Finite Element implementation of modified gurson model
Kiran Kumar Vantimi	04410418	Health Monitoring of building using nonparametric system identification technique
Nayanmoni Chetia	04410421	Tuned mass damper control of an asymmetric multistoried building under wind and seismic excitations with inbuilt elevated service reservoir
Nazeer Shaik	04410422	Seismic performance evaluation and retrofitting of L-shaped RC building
Nirmalendu Debnath	04410424	Studies on optimal robust design of tuned mass dampers for seismic response control of soft storey asymmetric building
Sandeep Kumar	04410431	Object Oriented Implementation of Linear Curved Beam Elements
Shinoj A.K.	04410435	Studies on Seismic vulnerability assessment of bridges using fragility curves
T. Syamala Deepthi	04410436	Statistical Study and Turbulence Modeling of Wind for different regions of Assam

Vijendra Kumar Ahirwar	04410438	Study on the performance of beam-column Joint retrofitted with FRP
Vivek Vallabhaneni	04410439	Application of radial basis neural network on damage assessment of structures
Srujana Perada	05410407	Seismic Hazard Estimation for Vulnerability Analysis of Structures in Northeast India
Reddy Sailaja Devi	05410408	Forecasting of Earthquake Energy Time Series
Chintapalli Ramprasad	05410409	Prediction of Ground Motion for Peninsular India

**List of students who have fulfilled the requirements for the award of the MTech degree in Civil Engineering with Specialization in Water Resources: Utilisation and Environmental Management**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
Akella Chandra Sekhar	04410403	Numerical Simulation of three dimensional transient flow to ditches in a heterogeneous aquifer
Animesh Debnath	04410406	Removal of congo redazo dye from wastewater using zero valent metal
Animesh Kumar Singh	04410407	Subsurface Stormflow on Steep Hillslopes
Apruban Mukherjee	04410410	2D Flow Simulation in Alluvial River Using Mike Software
Ashis Kumar Chanda	04410411	Modeling rainfall runoff and sediment transport in
Bandana Mahto	04410412	Impact of phosphate on coagulation and flocculation processes at optimum coagulant dosage in presence of divalent cations
Dasari Sudhakar	04410414	Removal of Bismark Brown Dye from wastewater using zero-valent metal chemical reduction and aerobic oxidation
Tushar Kanti Guha	04410420	Modeling of Aerodynamic Properties of Trees for Boundary Layer Wind Tunnel Dispersion Studies at Low Wind Velocities.
Norbu Sangey	04410425	Removal of Atrazine from water by waste activated carbon
Partha Pratim Baruah	04410427	Evaluation of water quality and management need in an industrializing watershed of north guwahati
Raokhande Namita Rupchand	04410429	The performance evaluation of models for prediction of PM <sub>10</sub> and PM <sub>2.5</sub> from vehicular exhaust at traffic intersection in Guwahati
Ravi Kumar	04410430	Evaluation of wooden charcoal , sand and activated alumina as fluoride adsorbents in indigenous household iron filters used in assam
Sanjeev Kumar	04410433	Preventing River bank erosion using permeable groyne: An Analytical Study

Tapas Karmaker	04410437	Modelling Flood Attenuation in Natural Polders in a Large River System
Triptimoni Borah	04410440	Modeling approach to sediment concentration and key parameters in a part of the Bramhaputra river
Kanai Kalita	04410443	Developing a GIS based hydrological model for water quality management
Gokul Bhuyan	03410410	Development of Arima Models for Forecasting the PM <sub>10</sub> and PM <sub>2.5</sub> Concentration near urban traffic intersection in winter periods

**List of students who have fulfilled the requirements for the award of the MTech degree in Civil Engineering with Specialization in Geotechnical Engineering**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
Somalaraju Sreelatha	05410417	Stochastic Modeling of SPT-'N' value and Evaluation of Liquefaction Potential

**List of students who have fulfilled the requirements for the award of the MTech degree in Chemical Engineering with Specialization in Petroleum Refinery Engineering**

<b>Name</b>	<b>Roll No</b>	<b>Project Title</b>
Bikkina Premkumar	04410703	Surfactant Mediated Enhanced Oil Recovery
Gandhi Pitta	04410705	Devolatilization Characteristics of Bituminous Coals
K Harsha Vardhan Reddy	04410709	Theoretical study of reaction parameters on heterogeneous aromatic nitration
T. Hariharanath	04410716	Hydrodynamics of fluidized catalytic cracking unit
Thirunahari Satyanarayana	04410717	Control Structure Selection for Chemical Processes Involving Reactive Distillation using Aspen® Engineering Suite
Vinay Vishnukant Bokare	04410718	Free Surface Flow of non-colloidal suspension past a cylinder
Abhishek Kalva	05410701	Study of cavitation enhanced liquid-liquid heterogeneous reactions (ultrasound assisted biodiesel production by transesterification of vegetable oil)
Kondreddy Giribabu	05410704	Adsorption and Coalescence in Liquid-Liquid and Gas-Liquid System
Thummala Jithender Reddy	05410705	Modelling and Control of Hydrodealkylation (HDA) Process using Aspen® Engineering Suite
Mohammed Hafiz O.K.	05410711	CFD Simulation of Laser induced MCVD Process during the Fabrication of optical Fiber Preforms
Narender Kumar Morya	05410715	Physical Features of Sonochemical Synthesis of Polymer Nano Particles



**List of the students who have fulfilled the requirements for the award of the PhD degree**

<b>Name</b>	<b>Thesis Title</b>
<b>Chemistry</b>	
Lopamudra Homchaudhuri	Influence of Protein Aggregation and Macromolecular Crowding on the Dynamics and Function of Proteins Respectively
Subrata Ghosh	Newer Synthetic Methodologies for Tetrahydropyranylation /depyranylation, Transition Metal-free Oxidation and Thia-michael Reactions.
Subbarayan Velusamy	Some Aspects of the Oxidation of Organic Substrates and Synthesis of Stereo Regular Chiral Polymers
J. William John Bosco	Some Aspects of the Chemistry of Acylation Reactions
Md. Lokman Hakim Choudhury	Applications of Phosponium and Sulfonium Bromide and Silica Supported Perchloric Acid for Developing New Synthetic Methodologies
Sarala Naik	Tetrabutylammonium Tribromide in Organic Synthesis & N-Acylation in Aqueous Medium
<b>Civil Engineering</b>	
Indrani Gogoi	Dynamic Response of Ageing Concrete Gravity Dams With Unbounded Reservoir
<b>Electronics and Communication Engineering</b>	
Khumanthem Manglem Singh	New Developments in Median Filters

## **Mathematics**

- Sasmita Barik                      On the Spectra and the Laplacian Spectra of Graphs
- Swapan Kumar Pandit            Higher Order Compact Schemes for Incompressible Viscous Flows on Geometries Beyond Rectangular
- Subash Chandra Martha        Reflection and Transmission of Surface Water Waves by Undulating Bottom Topography

## **Mechanical Engineering**

- Anil Borah                         Processing and Characterisation of Ruthenium Aluminium Alloys
- Madhumita Kalita                Dynamic Characteristics and Stability Analysis of Rotors Mounted on Fluid Film Bearings
- P. Rajesh Kanna                 Numerical Study of Flow and Conjugate Heat Transfer in Plane Laminar Off-Set Wall Jets

## **Physics**

- Purnananda Nandi                Erbium and Ytterbium Doped Phosphotellurite Glasses for Lasers and Optical Amplifiers
- Pramoda Kumar Nayak         Excess Conductivity, Magneto-Conductivity and AC Susceptibility Studies in La-Ba-Ca-Cu-O Superconductors