



ग्यारहवें दीक्षांत समारोह
भारतीय प्रौद्योगिकी संस्थान गुवाहाटी
29 मई 2009

Eleventh Convocation
Indian Institute of Technology Guwahati
29 May 2009



Indian Institute of Technology Guwahati

Eleventh Convocation

Friday, 29 May 2009

Programme

Entry of the Academic Procession into the Convocation Hall

Invocation

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

Welcoming 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, MDes, BTech, BDes and MSc Degree Certificates
by the Chairman, Senate

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

Presentation of Institute Medals by the Chief Guest

Pledge by the Graduating Students

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

- | | | | |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------|
| 1. | Dr. M. K. Bhan
Secretary, Department of
Biotechnology
Ministry of Science &
Technology
C. G. O. Complex (Block 2, 7th
Floor)
Lodi Road, New Delhi – 110003 | Chairman | |
| 2. | Prof. G. Barua
Director, IIT Guwahati | Member
[Ex-officio] | |
| 3. | Prof. Vinod Kumar Singh
Department of Chemistry
Indian Institute of Technology
Kanpur
Kanpur.- 208 016 | Member | Nominees of the IIT
Council |
| 4. | Mr. K. Shankar Narayanan
A – 304, Exotica Shalimar
Township,
Agra Bombay Road, Indore –
452 010 | Member | |
| 5. | Mr. Provash Chandra Neogy
EC – 126, Sector - I
Salt Lake, Kolkata - 700 064 | Member | |
| 6. | Mr. P. Sharat Chandra
Principal Secretary
Government of Manipur
Department of Higher &
Technical Education
Manipur Secretariat, South
Block
Imphal – 795 001 | Member | Nominee for North
East Region |

- | | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----------------------------------|
| 7. Mr. H. M. Cairae I.A.S. ,
Principal Secretary to the Govt.
of Assam, Public Enterprises
and
Higher Education Department,
'C' Block, Assam Secretariat,
Dispur, Guwahati – 781006 | Member | Nominee of the
Govt. of Assam |
| 8. Prof. A. Khare,
Dept. of Physics,
IIT Guwahati | Member | Nominees of the
Senate |
| 9. Prof. A. T. Khan
Dept. of Chemistry,
IIT Guwahati | Member | |
| 10. Dr. B. N. Raychoudhury
Registrar, IIT Guwahati | Secretary
(Ex-officio) | |

Organisation

Dr. M.K. Bhan	Chairman, Board of Governors
Prof. Gautam Barua	Director
Prof. P.K.Bora	Dean of Faculty Affairs
Prof. P.S. Robi	Dean of Research & Development
Prof. S. Nandi	Dean of Academic Affairs
Prof. A.K.Sarma	Dean of Students' Affairs
Dr. B. N. Raychoudhury	Registrar

Heads of Departments

Dr. Arun Goyal	Biotechnology
Dr. P.Saha	Chemical Engineering
Prof. Arun Chattopadhyay	Chemistry
Prof. S.K.Deb	Civil Engineering
Dr. G. Sajith	Computer Science and Engineering
Prof. A.K.Das	Design
Prof. S. Majhi	Electronics and Communication Engineering
Prof. A. Barua	Humanities and Social Sciences
Dr. R. K. Sinha	Mathematics
Prof. Debabrata Chakraborty	Mechanical Engineering
Dr.. S .Ravi	Physics

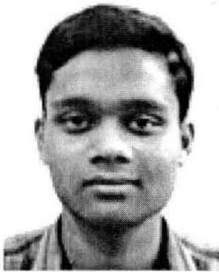
Heads of Academic Centres

Prof. P. Mahanta	Centre for Energy
Prof. C. Mahanta	Centre for the Environment
Dr. S. S. Ghosh	Centre for Nanotechnology

Gold and Silver Medallists



President of India Gold Medal
Sameer Agarwal
Computer Science and Engineering



Silver Medal
Deepjyoti Deka
Electronics and Communication Engineering



Silver Medal
Ashish Kumar Khetan
Mechanical Engineering



Silver Medal
Shekhar Singh
Civil Engineering



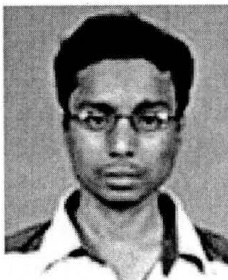
Silver Medal
G. Adithya Sagar
Biotechnology



Silver Medal
Pratik Dangra
Chemical Engineering



Silver Medal
P. Padmini
Design

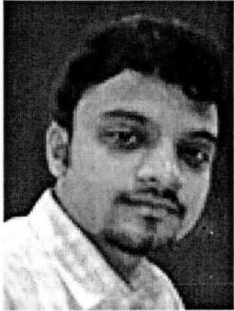


Silver Medal
Taraknath Mandal
Physics



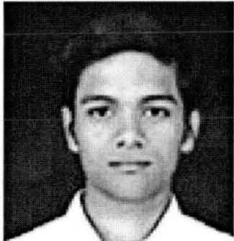
Silver Medal

Palsuledesai Charuta Chandrakant
Chemistry



Silver Medal

Sutanu Roy
Mathematics and Computing



Dr. Shankar Dayal Sharma Gold Medal

Akshay Mishra
Biotechnology

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

Roll No	Name
05010101	ABHISHEK ROY
05010102	ALEKHYA TELEKICHERLA
05010103	ANIKET MANGLAM
05010104	ASHISH KUMAR KAKRAN
05010105	ASHISH KUMAR THAKUR
05010106	ATIF JAMIL
05010107	CHINMAY VINOD DESHMUKH
05010108	D. PARASARA SRIDHAR
05010109	DIPANKAR DAS
05010110	GOVERDHAN SINGH
05010111	INDRAJEET SINGH
05010112	JITENDRA TAID
05010113	KAMAL BAID
05010114	KISHLAY
05010116	KOMAWAR NIKHIL SHRIKANT
05010117	KRISHNA BRAHMAM VEMPATI
05010118	KUNTIMADDI SRINIDHI
05010119	MONABILI BASUMATARY
05010120	MANISH GUPTA
05010121	N. VIVEK
05010122	NISCHAL VERMA
05010123	NISHANT TANDON
05010125	PRANJUL YADAV
05010126	PRASHANT CHOURASIA
05010128	PRIYADARSHI SHARMA
05010130	RAJESH A
05010131	RAKESH ROSHAN
05010132	RAVISH KUMAR KUMAWAT
05010133	RISHABH GUPTA
05010134	ROHAN AGARWAL
05010136	SHANTANU MAHAJAN

05010138 SHIKHAR SACHAN
05010139 SHREY GUPTA
05010140 SRAVAN KUMAR R
05010141 SRIKANTH YANAMANDRA
05010143 TATI RAGHUVVEER
05010144 UTKARSH SHARMA
05010145 ANIL KUMAR VISHWANADHULA
05010147 VARUN CHAWLA
05010148 ASHISH PATRO
05010149 GAURAV CHADHA
05010150 KULDEEP SINGH BORA
05010151 NAVEEN CHERUKURI
05010152 PRODDUTURU MOUNICA
05010153 SAMEER AGARWAL
03010114 MADHUR AGARWAL
04010106 V. AJAY KUMAR
04010117 KRISHNA JAYADEV K
04010127 NARESH TIRGAR
04010131 PRADEEP BOKHARWAL
04010141 SUMIT MALIK
04010146 VOLETI VAMSEE

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

Roll No	Name
05010201	A. KIRAN
05010202	A. RACHANA REDDY
05010204	AMIT KUMAR
05010205	AMIT PAL
05010206	ARAVAPALLI SAI MURALI KRISHNA
05010209	B. SHANKKAR
05010210	BRIJESH SINGH
05010211	DEEPANSHU VASAL
05010212	DEEPJYOTI DEKA
05010213	G NARESH
05010214	GAURAV SHARDA
05010215	GOPAL JATIYA
05010216	HARSH VARDHAN SINGH
05010217	HIMANSHU DEEPAK
05010218	HIMANSHU VERMA
05010220	K. SRINIVAS REDDY
05010221	M RAGHU RAM REDDY
05010222	MOHIT KHURANA
05010223	NEELESH SRIVASTAVA
05010224	NIMISH KULSHRESTHA
05010225	NIRAJ KUMAR MURARKA
05010226	NUTHALAPATI PRIYANKA
05010227	P. ADITYA SRINIVASA RAO
05010228	PIKKILI HEMANTH
05010230	PUNEET LAKHANPAL
05010231	RAHUL SANGWAN
05010233	SHARAD SONKER
05010234	SHAURYA AGRAWAL
05010236	SIDDHARTHA GUNDA
05010237	SURAM PRAVEEN REDDY
05010238	SOURABH SRIOM
05010239	SRI HARSHA KODALI
05010240	SUHAS MISHRA
05010241	TALLA VAMSI
05010243	UPMA SINGH

05010244 VAISHNAVI M
05010245 VIKRAM JIT SINGH
05010246 VINAY KUMAR DEEKONDA
05010247 AKSHAY AGARWAL
05010248 AMAN MATHUR
05010249 ANUJ NAYYAR
05010250 JUHI SINHA
05010251 M. VIJAY KUMAR
05010252 RISHAB PARASHAR
05010253 ROHIT BAHL
05010254 ROHIT PANDE
05010255 TARUN KUMAR
03010213 DANDA KARTHIK REDDY
04010203 ABHISHEK K B

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

Roll No.	Name
05010301	AMIT KUMAR BHARDWAJ
05010302	ANKIT UPADHYAY
05010304	ANURAG
05010305	ASHISH KUMAR KHETAN
05010306	ATANU BHUYAN
05010307	ATUL KUMAR SOTI
05010308	AYUSH ARORA
05010309	BALLARI SAGARKUMAR SATYANARAYAN
05010310	BALWINDER SINGH
05010312	CHINMAYA MITTAL
05010314	GAURAV CHAND
05010315	HARSH MEHTA
05010316	HEMANTH BOYAPATI
05010317	HMANTHA WANGSHUL
05010318	KALLA SIDDHARTH
05010319	KEDAR VIJAY BODAS
05010320	KUMAR Sampurnanand
05010321	LOKESH SAINI
05010323	MANIK GOOMER
05010324	MOHIT TYAGI
05010325	N. RAJESHKUMAR
05010326	NARENDRA SINGH
05010327	NAVEEN TANWAR
05010328	NISHANT PRAKHAR
05010329	NISHANT RANJAN
05010331	PRANAY K. DESAI
05010333	PRATHYUSHA M
05010334	PURUSHOTAM KUMAR
05010336	RAHUL ANURAG
05010338	RATNESH KUMAR
05010339	RAVI KISHORE
05010343	SANDIP KUMAR SARMA
05010344	SANJEEV KUMAR
05010345	SAURABH MATHUR
05010346	SIDDHANT BIJAYAPRASAD MISHRA

05010347 SIVARAJU SARAT CHANDRA
05010348 SUBODH KUMAR NIRALA
05010350 UDAY PRAKASH SAHU
05010351 VAIBHAV KUMAR
05010352 VEDANG SINGH
05010353 GAURAV CHAUHAN
05010354 RISHUBH DEV
05010355 V. ROHIT
04010334 PANKAJ SHARMA
04010344 SAURABH GARG
04010347 SOURABH BORUAH
04010349 SUMANTH DONTARAJU
04010351 VARUN CHAUDHURY
04010356 ANJAN JYOTI HIRA

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

Roll No	Name
05010401	AISHVARYA AGARWAL
05010402	AKSHAY KUMAR
05010403	ANJANEYA VIKRAM SINGH
05010404	ARCHANA ARBIND
05010405	BHARADWAJ D. RYAKA
05010406	CHANDAN KUMAR
05010407	CHANDAN KUMAR
05010408	CHANDRA BHUSHAN SINGH
05010409	DEVENDRA UPADHYAY
05010410	DHAVAL ANIL SANGANEE
05010413	MUKALA PRAVEEN KUMAR
05010414	NAVDEEP JAKHAR
05010416	RAJNISH KUMAR
05010419	S. ROHIT KUMAR
05010420	SANDEEP INJARAPU
05010421	SHAILESH CHAUHAN
05010422	SHASHANK REDDY K.
05010423	SHEKHAR SINGH
05010424	SIDDHARTH KRISHNA KUMAR
05010425	V MANI DEEPAK GANAPATHI
05010427	V. SANTHOSH
05010428	VARDHMAN CHAND RAI
05010429	VARUN MARWAHA
05010430	VENKATA ASHWIN CHANDER M
05010431	VIPIN GUPTA
05010432	Y.S. ARUN KUMAR
05010433	YOGANAND MANDALI
03010418	PRASHANT BABU D.C.

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

Roll No	Name
05010601	ADITYA UPADHYAY
05010602	AKSHAY MISHRA
05010603	ANIRUDDH JAIN
05010604	CH V S RAVI SHANKAR
05010605	CHANDRA SHEKHAR SINGH
05010606	CHAVAN YADAV
05010607	G. ADITHYA SAGAR
05010608	GAJULA ABHILASH
05010609	GARIMA VIJAY
05010611	K. VENU
05010612	MAYUR AGRAWAL
05010613	MOHAMMAD THAUSEEF
05010615	NAREN BARIGELA
05010616	P RAMESH NADH
05010617	RAHUL CHARAN
05010618	RAHUL VIG
05010621	SHASHANK JAISWAL
05010622	SHIVENDRA BHUSHAN PANDEY
05010623	SYED BAQUER RIZVI
05010625	UDAY KUMAR
05010626	V RAJ KIRAN KOLLIMARLA
04010613	JAIDEEPAK PARAVATINA
03010622	VIKRAM YADAV

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

Roll No	Name
05010701	AJITH MOPARTHI
05010703	ASHISH KUMAR
05010705	B. NAGA PRADEEP KUMAR
05010706	BIKROM
05010707	BUDDHENDRA SHIV SHUKLA
05010708	DHEERAJ SINGH TOMAR
05010709	HIMANSHU BHUTANI
05010711	KUNAL PRAKASH MISHRA
05010712	KUSHAL KUMAR SINHA
05010713	MANINDERJIT SINGH
05010717	PRATIK DANGRA
05010719	RAJESH SHARMA
05010720	ROHIT JOSHI
05010721	ROHIT MITTAL
05010722	ROHIT RAJ
05010723	SHILPI GUPTA
05010724	SIDHARTHA MOHANTY
05010725	TAKKALLAPALLI ROHIT RAO
05010728	VAMSHIKRISHNA YAMSANI
05010729	VIJAY KUMAR VERMA
05010730	VIJAYA SHANKAR D
05010732	YATIN PALIWAL

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

Roll No	Name
05020501	ABHINAV GUPTA
05020503	ANIRUDDHA KUMAR JHA
05020504	AYYAGARI PRADEEP KUMAR
05020506	KAMALJEET ANAND
05020507	LAKAKULA JAYANTH NAG
05020508	M. JAYA CHANDRA
05020510	P. PADMINI
05020512	PRERNA RAMESH
05020514	RICHA SINGH
05020515	RUNALISA
05020517	SAURABH VYAS
05020518	SHANUJ SHARMA
05020519	SUBHRAJIT DAS
05020520	SUCHIT DUBEY
05020522	VINEET CHAUDHARY

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

Roll No	Name
07212101	ANSHUL VALECHA
07212102	APURBA BARMAN
07212103	ARNAB CHAUDHURI
07212105	AVIRUP DAS
07212107	BHARGAB DEKA
07212108	DEBARATI ROY
07212112	MADHUMITA CHOUDHURI
07212113	RAHANGDALE HITESH VIJAYKUMAR
07212114	RUMA DAS
07212115	SABYASACHI NAG
07212116	SANDEEP BHOWMIK
07212117	SANJEEV KUMAR LALA
07212118	SHASHI PRABHAKAR
07212119	SHUBHANKAR DAS
07212120	SRIRUPA CHAKRABORTY
07212122	SUVRA SANTA LAHA
07212123	TARAKNATH MANDAL
07212124	TRIBEDI BORA
07212126	VIKAS TRIPATHI
07212127	RAJGURU
06212115	PANITHI SIREESA
05212111	LINGAMALLU ANANTHA RAJESH

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

Roll No	Name
07212201	ARIJIT MUKHERJEE
07212202	ARUNANGSHU DEBNATH
07212203	CHANDANI RANI DAS
07212206	DIPANKAR SAHOO
07212207	DHIMAN DAS
07212209	DIPTI SANKAR KUNDU
07212211	SATYANARAYANA MADDUKURI
07212212	M. K. VENKATESH
07212213	MADHUBRATA GHOSH
07212214	MAMTA SURI
07212215	NIBADITA PURKAIT
07212216	PALSULEDESAI CHARUTA CHANDRAKANT
07212217	PARTHA PRATIM DAS
07212218	PRAVAT MONDAL
07212219	SANKARGANESH K
07212220	SANTU MANDAL
07212221	SOMA DEY
07212223	SOURAV DAS
07212225	SUMAN DEBNATH
06212226	SURESH BABU D

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

Roll No	Name
07212301	A. SATYANARAYANA KRISHNA PRASAD
07212302	AJAY PANDEY
07212306	ANIL KUMAR KAMBHAMPATI
07212307	ANUPAM DE
07212310	BIDYUT BIKASH GOGOI
07212312	DINESH CHANDRA PANT
07212314	GOWRISANKAR S
07212315	GURLEEN KAUR
07212316	HIMADRI NAYAK
07212318	MAYANK MEHROTRA
07212319	MONALISA MONDAL
07212320	BHANUPRASAD REDDI
07212321	SANSARE PRAKASH UTTAM
07212322	SANTU DAS
07212325	SUMAN BHOWMICK
07212326	SUTANU ROY
07212327	YADAVENDRA SINGH YADAV

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

Name	Roll No.	Project Title
Kakarla Vedadri	05410109	Scheduling Problems for FlexRay Communication Systems
Abhishek Kumar	06410101	Timed Automata Based Verification of an Automative Application
Ajay Chetry	06410102	Improving Maui: A Job scheduler for high performance computing clusters
Anshul Zunke	06410103	Routing in Wireless Sensor Network Having High Sensing Range
Bezawada Suman Reddy	06410104	Some Results on Shortest Path Algorithms
Bhanoji Kandalam	06410105	Collision Avoidance in Wireless Sensor Networks
Budharapu Sukumar	06410106	Localization of Sensor Nodes using Wireless Mobile Robots
Chandra Sekhara Rao Routh	06410107	Specification and Verification of Network Time Protocol
Chokshi Devesh Bharatkumar	06410108	Performance Analysis of Distributed Real-time Embedded Systems
G. Eashwar Prasad	06410110	An External Memory Algorithm for Euler Tour
Harendra Singh Solanki	06410111	Enabling Mobile Devices for the Visually Challenged
Kamble Nilesh Vishwas	06410112	Performance enhancement in checkpointing and rollback-recovery using Mobile Agents
Kulkarni Amit Chandrashekhar	06410113	A non-blocking checkpointing implementation for MPICH2
Mallikarjuna Rao Ch	06410117	Specification and Verification of Key Exchange Protocols
Prem Kumar Salagala	06410120	Graph Similarities Identification
Ranjay Kumar Singh	06410122	Real-Time Moving Object Detection for Video Surveillance
Rupesh Kumar	06410124	Directional Greedy Routing Protocol in Mobile Ad-hoc Networks
Santosh Ajmeera	06410126	Analysis of AUTOSAR System Models
Santosh Kumar Swain	06410127	Elliptic Curve, Supersingularity and Zero Knowledge Proof
Siddharth Kumar Rai	06410129	Resource Discovery in Grid
Sunil Kumar Chowdhary	06410131	Formal Modelling of Impact of HIV on T-Cell
Venkata Praveen Borra	06410133	Answering Comparision Questions on the Web

Venkatesh Iyer	06410134	Network Management in Fixed Wireless Mesh Networks for Rural Areas
Lakshmi .K	06410137	Mining and Indexing of Molecular Database based on UCK of Indexed Subgraphs
Neha Agrawal	06410138	Resource Selection in Mobile GRID
Amrita Bose Paul	06410140	M-OLSR for Wireless Mesh Networks
Sounak Paul	06410141	A Dynamic Balanced Energy Sleep Scheduling Scheme in heterogeneous Wireless Sensor Networks
Rameshwar Nath Tripathi	06410142	K-Carvage Node Scheduling in Wireless Sensor Network
Biswa Mohan Acharya	06410143	Efficient Coordination and Routing Protocol for Wireless Sensor and Actor Networks
C. Surendranath Chowdary	07410108	Efficient Isomorphic Matching Algorithm for Molecular Graphs
Suman Das	07410109	Proxy Signature Scheme Based on Morphism of Polynomials

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Computer Science and Engineering with Specialization in Information Security

Name	Roll No.	Project Title
G S Satyaprakash	06410109	Spam Mail Management
Lalit Gera	06410114	A Generator for Memorable Random Passwords
Lokesh Gidra	06410115	CAPTRACE: A Capability Tracer for Linux Applications
M. Thirumala Srikanth	06410116	Performance Study of RSA-OAEP and Its Relatives
Sawant Kiran Prakash	06410128	Formal Verification of Internet Exchange Protocol using Casper/FDR
Srinivasarao Koritala	06410130	Mitigation of Distributed Attack Traffic
Deepika Gupta	06410136	Detection of Compromised Nodes and Recovery in Wireless Sensor Network
Kapil Kumar Chittora	07410103	Hybrid Network Intrusion Detection System
Priyeshkumar T.S.	07410110	Hash Based Single Password Authentication Protocol

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

Name	Roll No.	Project Title
A.R. Vamsidhar	06410201	Animation Compression using the linear discriminant Analysis
Adavally Anil Kumar	06410202	Channel Estimation for OFDM Systems in the presence of Phase Noise and Carrier Frequency Offset
B. Sandeep Kumar	06410205	A Study of Robustness of Speaker Normalization Approaches
Bandi V Sandeep Reddy	06410207	Keyword Spotting in Continuous Speech using VOP, VQ and HMM based techniques
Batchu Kiran Babu	06410208	A Class of Low Complexity OFDM Receivers for MIMO Systems
Boidi Purushotham	06410209	Improvement Methods for on-line secondary path modeling in active noise control systems
Brijesh Kumar Gupta	06410210	Spectrum Hole Detection in Cognitive Radio
China Saida Reddy. CH.	06410211	Modified Smith Predictor Based AQM Scheme for Network Congestion Control
Chintakayala Vijay Kumar	06410212	Variable Frame Size and Rate Analysis for Extracting Speaker Specific Information
D.Jovin Vasanth Kumar	06410213	Analysis of Channel Estimation Error and its applications
Jeevan Kumar R	06410214	Maneuvering Target Tracking
Jumi Hazarika Kakoty	06410215	Class specific Algorithms for SAR Automatic Target Recognition
Kolusu Pawan Tej	06410217	Boundary Based SAR-ATR Algorithms
Krishna Chaitanya Makkena	06410219	Speech Enhancement in Non-Stationary Noise Environment
M. Shradhanand	06410220	Performance Analysis of Maximal Ratio Combining Receiver over Nakagami-m Fading Channels
M. Madhu Krishna	06410221	Dynamic Hand Gesture Recognition for Human Computer Interaction
M. Srinivasulu	06410222	Fast Converging Blind Adaptive Algorithms for Multiuser Detection in DS-CDMA Systems
Madaka Purna Chandra Rao	06410224	A Class of Constant Norm Blind Adaptive Equalization Algorithms for CDMA systems
Muppala Raja Harsha	06410226	Antenna Design for MIMO Systems

P. Srinivas	06410229	Auto-Tuning of Filed Programmable Analog Array Based Industrial Controller
Ravi Kumar Vadapalli	06410232	3D DWT based Perceptual Video Hashing
Sandeep Gholap	06410233	New Methods of Digital Image Forensics
Satya Kumar Vankayala	06410234	Zero Crossing Demodulator for FSK and ICM based System
Saurabh Kumar Rusia	06410235	Performance Analysis of Ultra-Wideband Communication Systems
Sunil Kumar Mahesh	06410236	Unsegmented Audio Stream Segmentation and Clustering
V. Varun	06410237	Performance Analysis of Maximal Ratio Combiner in Weibull and Hoyt Fading Channels
Y. V. Sravan Kumar Reddy	06410240	LOW if Zero-Crossing Demodulation
Yash Chaturvedi	06410241	Multiple Target Tracking
Malaya Kumar Nath	06410243	Independent Component Analysis of Functional MRI Data By Combi ICA
Prangya Paramita Pradhan	06410247	Automatic Recognition of Printed Bilingual Oriya and Roman Scripts
Ajay Kumar Gupta	07410203	Automatic Detection of Bright Lesions in Color Fundus Images
Dharmendra Kumar Yadav	07410206	Multichannel ECG Data Compression
Anshuman Parua	07410215	Design and Implementation of a Speech-Based Real-time Medical Transcription System
Manapati Mahendra Babu	07410226	SAR Reduction in Human Head from Mobile Radiation using SNG Metamaterials
Gayadhar Pradhan	07410241	Speaker Recognition using Vowel and Non-Vowel like regions

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Electronics and Communication Engineering with Specialization in VLSI

Name	Roll. No.	Project Title
Arun Kumar Jatti	06410204	FPGA Implementation of a Viterbi Decoder
Balemarthy Chaitanya Deepak	06410206	Design of Multi-band CMOS Low Noise Amplifiers
Kothamasu Mani Kumar	06410218	RFID Systems Design for Currency Notes and Bio-medical Applications
Mridupawan Sonowal	06410225	Design of a High-Speed and Area Efficient Reed-Solomon Decoder
Niket Agrawal	06410228	Design of Low Power and Low Error Rate Flash ADC

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Mechanical Engineering with Specialization in Machine Design

Name	Roll. No.	Project Title
A. Ravi Kumar	06410301	Instability in Retro-bearing Systems
Ambati Apparao	06410303	A Methodology for Layered Manufacturing of Porous Objects
Amit Kumar Rawal	06410305	Damage Tolerance Analysis of Composite Materials
Anil Kumar	06410306	Finite Elements for Analysis of Smart FGM Structures
Dipendra Nath Mishra	06410313	Application of a Micromechanical Piezoelectric Material Model in a hybrid Solid Shell Element
G.R. Santosh Kumar	06410315	Estimation of Mean Traverse Speed in the Laser Forming by using FEM with online learning
Harjeet Kumar Banjara	06410316	Stability Study of Rotors Supported By Porous Oil Journal Bearing
Kake Siva Sankar Reddy	06410317	Wear Analysis of Artificial Hip Joint using Finite Element Method
Kamble Ajinath Hanmant	06410318	Application of strain gradient plasticity theory in bulk micro-manufacturing processes
Kaushik B	06410319	Determination of Strain Gage Locations for Accurate Measurement of the Opening mode Stress Intensity factors
Kinthada Veera Babu	06410321	Prediction of Tensile and Deep Drawing Behaviour of Tailor Welded Blanks By Artificial Neural Networks
Kovalam Sunil Kumar	06410323	Optimum Design and Analysis of Rolling Element Bearings
Lakavath Praveen Kumar	06410324	Pressing and Structure-Mechanical Property Correlation of Micro Aligned Al-Cu Alloys
Manoj Kumar Sinha	06410328	Modelling and Experimental Investigation of Multi-hole Extrusion Process
Neela Praveen Kumar	06410333	Finite Element Analysis of Mixed Mode Fatigue Crack Growth Problems
P. Manikandan	06410334	Shell Finite Element for Analysis of Smart FRP Composite Structures
P. Venkateswarachoudari	06410335	Multi Objective Optimal Synthesis of Mechanisms for Precise Path Generation

Srinivas Madduri	06410346	Parametric Instability Regions of Soft and MRE Cored Sandwich Beam with Non-conductive Skins
Srinivasulu M.	06410347	Vibration and Control Analysis of Flexible Composite Robotic Manipulator using Finite Element Method
Sunil Balwant Deshpande	06410348	Vibration Characteristics of Thermoplastic Composites
W. Ravi Kumar	06410353	Application of Active Magnetic Bearing in Rotor Dynamics

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

Name	Roll No.	Project Title
Bala Krishna Chimmineni	06410308	Numerical Study of Instabilities in Closed Loop Pulsating Heat Pipes
D.S. Vamsi Kiran	06410309	Simulation of Heat Transfer Enhancement and Hydrodynamics in Circular Tube Heat Exchanger With Tube Inserts
Deepak Kumar Verma	06410310	CFD Investigation of Wire-wrapped 7-pin Fuel Assembly Cooled with Supercritical Water
G. Krishnaiah	06410314	Numerical Computation of One-Dimensional Unsteady Two-phase Flow
Kishore Kumar Boni	06410322	Numerical Analysis of Sloshing of Liquids in Tanks
Leeju C.J.	06410326	Development of a Test Setup for Measuring PCT characteristics of Hydrogen Absorption Alloys
Meeravali Shaik	06410329	Parallelization of the Lattice Boltzmann Method and the Finite Volume Method for the solution of Combined Conduction-Radiation Problems
Mulpuri Ashok Kumar	06410331	Study of Instabilities in Supercritical Water Cooled Reactor
N. Chakradhar	06410332	Development of a 2D Cartesian Grid Generator for Irregular Geometries and Finite Volume Computation of High Speed Flows
Pankaj Kalita	06410337	Characterization of Low Density Biomass for Cyclone Gasification
Patil Tushar Ashok	06410338	Cell Vertex and Cell Centred Finite Volume Computation of Compressible Flows

Pavithran Yanamadala	06410339	Heat and Moisture Characteristics of a Fluidized Bed Dryer
Praveen Kumar G	06410341	Lattice Boltzmann Method Applied to Heat Transfer Problems on Unstructured Lattices
Ramtekkar Rohit Balaji	06410342	Performance of NACA and Joukowski Bladed Axial Flow Fans with Variable Inlet Guide Vanes
Sandeep S	06410343	Modelling and Simulation of Industrial Heat Exchanger with Chevron Plates
Santosh Basa	06410344	Development of a 2D Cell-Vertex Finite Volume Compressible Flow Solver
T.B. Pavan Kumar	06410349	Analysis of Non-Fourier Conduction and Radiation Heat Transfer using the Lattice Boltzmann Method and the Finite Volume Method
Thammaneni Sreedhar Reddy	06410350	Study of Coupled Heat and Mass Transfer in Metal Hydride Based Hydrogen Storage Device
Venkatarama Prasad N	06410352	Lattice Boltzmann and Finite Volume Computations of Compressible Flows
Venkata Naga Lakshmi Durga	06410354	Thermodynamics Analysis of a Cascade Sorption Heat Pump System for Continuous Cold Generation
Imtiyaz Khan	07410330	Computational Investigation of Energy Efficient Pin Fin Cross Section for a Compact Heat Exchanger
Praghanmor Rahul Runjaji	07410332	Study on Heat Transfer Characteristics of Cold Circulating Fluidized Bed Risers

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Civil Engineering with Specialization in Structural Engineering

Name	Roll No.	Project Title
Avijit Das	06410401	Seismic modelling of skewed bridges with side restrainers
Avijit Majumder	06410402	Studies of soft storied R.C. building models and evaluating the influence of different structural forms by pushover analysis
Bhaskar Singh Bondili	06410403	Study of failure of concrete
Chandrakant Pushkar	06410404	Finite element solution of plate with crack by cosserat point element
K. Sreekantha Reddy	06410405	Evaluation of size effect in beam-column joint with and without FRP
Kalyan Moy Chanda	06410406	Estimation of Fault Density for India
M. Longshithung Patton	06410407	Finite element modeling of concrete block pavement
M. Venkataprasad	06410408	Analysis of integral abutment bridges
Palukuri Damaraka	06410409	Seismic vulnerability analysis of Saraighat Bridge
Perka Ashok	06410410	Displacement-based seismic design of asymmetric multistory RC building
Puranik Vivek S.	06410411	Seismic Vulnerability assessment of Narnarayana setu bridge
Rahul Sinha	06410412	Application of magneto-rheological fluid damper in controlling seismic response of building
Rama Rao Para	06410413	Retrofitting of beam-column joint using FRP
Rohit Devu	06410414	Estimation of seismic hazard parameters for India
Sainath Babu Dukka	06410415	Seismic vulnerability analysis of Itanagar bridge
V. Manohar	06410416	Stochastic planar cosserat point
V. Ravi Kesava Reddy	06410417	Finite element implementation of explicit-implicit time integration methods in non-linear dynamic analysis
Vallabhareddy N. Rao	06410418	Seismic vulnerability assessment of skew bridges using fragility curves
Vecha Nagapraveen	06410419	The concept of stochastic cosserat point

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

Name	Roll No.	Project Title
Naga Babu Immadi	06410420	Treatment of synthetic wastewater containing phenol, thiocyanate and nitrate-nitrogen in anoxic fixed film reactor
Abhijit Das	06410421	Evaluation of Ground Water Quality in Patharighat Region of Darrang District, Assam
Bhaskar Jyoti Deka	06410422	Treatment of synthetic wastewater containing phenol and ammonia-nitrogen in a three-stage attached growth system
Godugula Praveen	06410425	Estimation of on-road emission factors of PM ₁₀ and PM _{2.5} at urban roundabout traffic intersection using semi-empirical modeling approach
Hema Kumar Kanipakam	06410426	Removal of Cr-VI from wastewater by modified waste activated carbon
Kashyape Parag Arun	06410427	Potable water from water treatment plant outsourced for design, construction, commissioning and routine operation & maintenance – a case study
Mahesh Kumar Meshram	06410428	Simulation of dam break hydraulics in natural flood plain topography
Murali Krishna Nandigam	06410429	Artificial neural network based flood forecasting model for Pagladia river
Yarava Venkatasubbaiah	06410432	Impact of bed forms on water level in alluvial channel
Sangeeta Shougrakpam	06410445	Characterization of macropores in Jhum cultivated hillslopes
Nani Riniyo	06410446	Groundwater quality assessment of the IIT Guwahati campus

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Civil Engineering with Specialization in Water Resources Engineering and Management

Name	Roll No.	Project Title
Dontula Sri Prapoorna	07410435	Cumulative Impacts Study of the Lower Subansiri Hydropower Dam in Northeast India
Vankayalapati .V. Subbarao	07410454	HEC-HMS Simulation of a Medium Sized Un-gauged Watershed South of Guwahati City

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Civil Engineering with Specialization in Geotechnical Engineering

Name	Roll No.	Project Title
Lalit Borana	06410436	Performance evaluation of volumetric water content sensors for cohesionless soils
J. Vikram Kumar	06410437	A study on the estimation of cation exchange capacity of soils
M. Jeevan Reddy	06410439	Experimental investigation of an amended local soil
Ravi K	06410440	Effectiveness of reinforcement in unpaved road sub-base under cyclic loading
Rimil Besra	06410441	Numerical analysis of seismic behavior of single pile in clay
Sanjoy Bhowmik	06410442	3-D modeling of soil-pipe interaction in clay under dynamic lateral loads

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Civil Engineering with Specialization in Environmental Engineering

Name	Roll No.	Project Title
Siddalingesh G. Kambi	07410442	Indoor and Outdoor Relationships for Carbon Monoxide Concentration in Residential and Public Buildings Located near Urban Traffic Intersection
Patil Ravindra Jaysing	07410457	Uncertainty Analysis in Line Source Dispersion Modeling
Nagabhushan Biliangadi	07410458	Development of an Indoor-Outdoor Relationships for PM _{2.5} Concentration in Residential and Public Buildings

List of students who have fulfilled the requirements for the award of the M.Tech. degree in Chemical Engineering with Specialization in Petroleum Refinery Engineering

Name	Roll No.	Project Title
Abhijit Majhi	06410701	Fabrication and Characterization of γ Al_2O_3 Coated Clay Composite Membrane
Amit Ahuja	06410704	Measurements of Wall Slip Effects in Concentrated Suspensions
Balakrushna Sahu	06410706	Influence of Organically Modified Layered Double Hydroxides(OLDHs) on the Properties of Polystyrene(PS)/OLDH Nanocomposites
C. Jayageeth	06410707	Stokesian Dynamics Simulation of Short Fibre Suspensions
Jaijus P.J.	06410708	Numerical Simulation and Experimental Studies of Microfluidic Flow in Evaporating Droplets
Murali Krishna Beera	06410711	Synthesis and Characterization of Sulfonated Poly (ether ether ketone) Composite Membrane for DMFC
P. Venkata Suman	06410712	Efficient Recovery Technique of Unreacted Feed Stock from Pharmaceutical Industrial Effluent
Praveen Kumar Bommaganti	06410713	Effects of Binding Counterions on Adsorption and Coalescence in Gas-Liquid and Liquid-Liquid Systems
Praveen Kumar T.	06410714	Cloud Point Extraction of Aromatic Pollutants
R. Subba Reddy	06410715	Control of a Reactive Distillation Process using Aspen® Engineering Suite
Rajakumar More	06410716	Optimization of Crude Distillation System using Aspen Plus
Ramesh Gupta Kotha	06410717	Study on bipolar plate for polymer electrolyte membrane fuel cell
Ramesh Kuppa	06410718	Physical Features of Ultrasound Enhanced Heterogeneous Permanganate Oxidations
Reddy Bhaskara Rao	06410719	Physical Facets of Sonochemical Synthesis of Zinc Ferrite Nanoparticles
Sabuj Das	06410720	Developing of Membrane Separation Module in Aspen Engineering Suite
Simadri Acharya	06410723	Development of composite nafion membrane for direct alcohol fuel cell
Vamsee Krishna K	06410726	Separation of Ions from Wastewater using Liquid Membrane

Venkata Rao Midathana	06410727	Mechanistic Studies in Ultrasound Assisted Adsorption for Removal of Aromatic Pollutants
Vijaya Kumar Bulasara	06410728	Revamp and retrofit Study of Heat Exchanger Networks Associated to Crude Distillation Unit
Sucheta Sarkar	06410729	Nitration of Benzene at High-concentrations of Sulphuric Acid
Chaitanya Bikkina	06410730	Adsorption of Various Gases in Cr-BDC Metal Organic Framework (MIL-101)
Sumedha Sharma	07410708	Co-Pyrolysis studies of waste LDPE with coal

List of students who have fulfilled the requirements for the award of the M.Des. degree in Design

Name	RollNo.	Project Title
Balkrushna Rajaram Dhondge	07420502	Vehicle Graphics in the context of Cultural, Spiritual, locality and various aspects of user
Rahul S.	07420504	Electronic Vehicle for Campus Commuting
Swaroop Roy	07420506	Prakriti- A Family Car with Natural Ambience and Mutual Interaction
Kothagattu Vishwanath	07420507	Identity and Graphic Design Proposal for Commonwealth Games 2010, New Delhi
Neha Verma	07420508	An Indian Culture Sensitive Tangible Social Networking System
Debayan Dhar	07420510	An Online Aptitude Testing System for Admitting Students in Design Programmes
Kate Prasanna Gautam	07420512	A Mobile Based Cooperative Employment Information System for Construction site Labors
Suresh Kumar Barla	07420513	'Assam Cultural Village'-Design of an Interactive Experiential Tourism Complex
Moniraj Saikia	07420514	A Multimedia Repository for Design Projects-A Knowledge Management Approach
Vikash Kumar	07420515	Design of an Amphibian Bus-Vehicle for Guwahati City Public Transportation Year 2025
Vikram Singh	07420516	A Multipurpose Vehicle for Indian Farmers
Prajapati Shyambihari	07420517	Design of Multipurpose Electric Vehicle, A Contextual Transport Module Approach
Prakash Kumar	07420518	A Graphical User Interface based Remote Public Bus Transport Management System for Guwahati

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

Name	Thesis Title
Biotechnology	
P. Gopinath	Prodrug Gene Therapy Vectors In Combination Therapies
Satish Kumar	Exploring the structure and dynamics of proteins in non-native states using fluorescence spectroscopy
Siva Kumar Solleti	Genetic Engineering Of Cowpea For Storage Pest Resistance
Adepu Kiran Kumar	Characteristics and Application Potential of an Alcohol Oxidase from the Hydrocarbon-Degrading Fungus <i>Aspergillus Terreus</i>
Chemical Engineering	
P. Saravanan	Biodegradation Of Phenolic Compounds Using An Indigenous Mixed Microbial Culture
Subham Paul	Absorption Of CO ₂ By Single And Blended Amine Solvents In Various Gas-Liquid Contactors
T. Sivasankar	Physical Features of Sonochemical Degradation of Recalcitrant Organic Pollutants
Bandana Chakrabarty	Synthesis of Polysulfone Membrane and Its Application to Separation of Oil from Oil-in-Water Emulsion

Chemistry

Biplab Sarkar	Extended Born-Oppenheimer equation and the effect of external field on the nonadiabatic coupling elements
Biswa Ranjan Panda	Gold Nanoparticle Based Composites As Sensors And Actuators
Ballav Moni Borah	Biom mineralization and Biomimetic Materials Chemistry: Exploring the Influence of Crystal Growth Modifier
Sumanta Kumar Padhi	An Investigation on Metal Assisted Transformations in Schiff Bases Containing Pyridyl Groups and Transition Metal Chemistry of 4'-(2-Pyridyl)-2,2':6',2"-Terpyridine
Laxmidhar Rout	Study of C-N, C-S, C-O Cross-Coupling Reactions and Chiral Copper(II) Complex for Asymmetric Catalysis

Computer Science and Engineering

Ashok Singh Sairam	Load Balancing in Multihomed Stub Networks
Nityananda Sarma	Quality of Service Issues in Mobile Ad Hoc Networks
V. Suresh Babu	Fast and Efficient Non-parametric Classification and Clustering Methods for Large Data Sets

Civil Engineering

Aminul Islam Laskar	Study of Rheological Behaviour Of High-Performance Concrete
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Design

Ravi Mokashi Punekar

A Study of User Preference for the Visual Domain of Product Form

Abhijit Das

Study on work posture and muscle load of cane and brass-metal artisans of Assam, intending to reduce occupational stress with relevant design solutions: An Ergonomics intervention

Electronics and Communication Engineering

G. Senthil Raja

Feature Analysis And Compensation For Speaker Recognition Under Stressed Condition

P. Krishnamoorthy

Combined Temporal And Spectral Processing Methods For Speech Enhancement

Humanities and Social Sciences

Sudipa Nag

Influence Strategies And Gender Differences

Ajit Kumar Nigam

Impact of Strategic Human Resource Management on the Performance of Firms: A Study of Service Sector Firms in India

Rajeev Kumar Doley

Interlingual Code-Switching as a Sociolinguistic Phenomenon amongst the Misings of the Brahmaputra Valley : A Study

Namita Kalita

Sartre And Sankhya – Yoga : A Comparative Study

Akoijam Thoibisana

The Problem of the Embodied Person

Mathematics

Sk. Safique Ahmad

Pseudospectra Of Matrix Pencils And Their Applications In Perturbation Analysis Of Eigenvalues And Eigendecompositions

Bibhas Adhikari

Backward Perturbation and Sensitivity Analysis of Structured Polynomial Eigenvalue Problem

Mechanical Engineering

Gonella V. Durga Prasad	Studies On Flow Instabilities And Nonlinear Oscillations In Natural Circulation Boiling Systems
Bittagopal Mondal	Application Of The Lattice Boltzmann Method In Solving Energy Equations Of Heat Transfer Problems Involving Thermal Radiation
Vadiraja D N	Vibration Analysis, Control and Optimal Placement of MFC Actuators and Sensors on Rotating Thin-Walled Composite Cantilever Beams
Barun Pratiher	Nonlinear Dynamics of Flexible Cartesian Manipulators
Elaprolu Vishnuvardhana Rao	Study Of Turbulent Flow And Conjugate Heat Transfer Of Plane Wall And Offset Jets
Gudur Prashant Pralhad	Soft Computing Assisted Modelling Of Symmetric And Asymmetric Cold Flat Rolling Processes

Physics

Sidananda Sarma	Preparation and Characterization of Co-Ni-Ga Ferromagnetic Shape Memory Alloys
Manos Pratim Chakrapani Kalita	Structure and Magnetic Properties of Mechanically Alloyed Nanocrystalline Fe-Si (-M) [M=Al, B, Cr] Powders
Sandeep Kumar Srivastava	Electrical Resistivity and Magnetic Properties in (La, Ag)-Mn-O, (Nd, Ag)-Mn-O and (Y, Ce)-Mn-O Based Manganites