



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी, उत्तर गुवाहाटी

Indian Institute of Technology Guwahati
North Guwahati

चतुर्थ दीक्षांत समारोह

Fourth Convocation

Monday, 27 May, 2002



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Programme

National Anthem

Invocation

Report by the Director

Address by the Chairman, Board of Governors

Convocation Address by the Chief Guest

Award of Degrees and Medals

Pledge taking by Graduates

National Anthem

Board of Governors

Lt. Gen. (Retd.) S. K. Sinha
Governor of Assam

Chairman

Prof. D. N. Buragohain
Director, IIT Guwahati

Ex-Officio Member

Prof. Kamaleswar Bora
Former V. C. Dibrugarh University

Nominee of the Council

Shri M. K. Kaw
Secretary, Dept. of Secondary Education
MHRD

Nominee of the Council
(From 09/07/2001 - 04/12/2001)

Shri B. K. Chaturvedi
Secretary, Dept. of Secondary Education
MHRD

Nominee of the Council
(From 05/12/2001)

Prof. D. Dutta Mazumdar
Professor Emeritus,
Indian Statistical Institute, Calcutta

Nominee of the Council

Shri Arbind Panday
Chairman, SAIL, New Delhi

Nominee of the Council
(From 15/09/1998 - 14/09/2001)

Dr. G. Ch. Chennaiah
Director & Member Secretary,
Arunachal Pradesh State Council for
Science & Technology

Nominee of the Govt. of
Arunachal Pradesh

Shri A. Bhatnagar, IAS
Commissioner & Secretary to the
Govt. of Assam Education (Higher) Deptt

Nominee of the
State of Assam

Prof. A. D. Sahasrabudhe
Head, Department of Mechanical
Engineering, IIT Guwahati

Nominee of the Senate
(From 01/01/2001 - 31/12/2002)

Prof. Anil Mahanta
Head, Department of Electronics &
Communication Engineering, IIT Guwahati

Nominee of the Senate
(From 01/01/2001 - 31/12/2001)

Prof. K. Ramachandran
Professor, Department of Design,
IIT Guwahati

Nominee of the Senate
(With effect from 01/01/2002)

Organisation

Lt. Gen. (Retd.) S. K. Sinha	Chairman, Board of Governors
Prof. D. N. Buragohain	Director
Prof. G. Barua	Deputy Director
Prof. M. K. Chaudhuri	Dean, Students' Affairs
Prof. A. D. Sahasrabudhe	Dean, Academic Affairs
Prof. A. Dasgupta	Dean, Planning & Development
Prof. M. C. Borgohain	Registrar

Heads of Departments

Prof. G. Barua	Computer Science & Engineering
Dr. A. K. Gogoi	Electronics & Communication Engineering
Prof. A. D. Sahasrabudhe	Mechanical Engineering
Prof U. C. Kalita	Civil Engineering
Prof. S. Nadkarni	Design
Prof. M. K. Chaudhuri	Chemistry
Dr. S. Ghosh	Physics
Dr. M. Bhattacharjee	Mathematics
Dr. S. Borbora	Humanities & Social Sciences

Gold and Silver Medallists



President of India Gold Medal

Matulya Bansal

Computer Science and Engineering



Silver Medal

Gagandeep Singh Lamba

Electronics and Communication Engineering



Silver Medal

Jay Dhariwal

Mechanical Engineering



Silver Medal

Deepak Kumar

Civil Engineering

Gold and Silver Medallists



Silver Medal

Shweta Aneja

Design



Silver Medal

Sucismita Chutia

Physics



Silver Medal

Pompi Hazarika

Chemistry

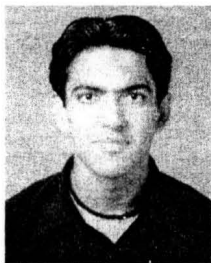


Silver Medal

Sonu Dugar

Mathematics & Computing

Gold and Silver Medallists



Dr. Shankar Dayal Sharma Gold Medal

Arun Kochar

Civil Engineering

List of students who have fulfilled the requirements for the award of the **B. Tech. Degree**
Computer Science and Engineering

Name	Roll No.
Matulya Bansal	981132
Puneet Sethi	981121
Amardeep Singh	981101
Rachit Chawla	981133
Arijit Ganguly	981103
Nagender B.	981134
Hansraj Tiwary	981108
Manish Agarwal	981114
Gagan Mittal	981105
Rohit Pandey	981124
Gobind Gaurav Bansal	981107
Penumarthy S.Soumitri	981119
Jitesh Sharma	981111
N.S. Ravi Chandra	981116
Prashant	981120
Komarina Srikanth	981112
Gaurav Kumar	981106
Vikash Kodati	981129
Ramesh Kumar	981123
Nitin Bhandari	981117
Harshman Singh	981109
Vikas Minda	981128
Kunal Jain	981113
Milind Kulkarni	981115
Susaant K.	981126
Honi Bayang	981110
Vikram Singh	981130
Pushkar Pulastya	981122
Swadhin Sonowal	981127
Biplab Das	981104
Vinay Rathore	981131
Ramesh Kumar	971114
Ranjan Mandal	971118

Electronics and Communication Engineering

Name	Roll No.
Gagandeep Singh Lamba	981209
Gaurav Tandon	981210
Sanku Mukherjee	981223
Aedududla Sandeep Reddy	981202
Satish Singh	981229
Rakesh Kumar	981219
Nikhil Parijaat	981216
Sandeep Kumar Jha	981222
Saket Kumar	981221
Ketan Humnabadkar	981212
Ashok Kumar Verma	981206
Neeraj Sharma	981215
Siddharth Gupta	981224
Pochampally Vijay Simha Reddy	981228
Debajit Sahu	981208
Amit Kumar Shukla	981204
Sumit Kumar Mudgal	981225
Vivek Singhal	981227
Swadhishtan Thoke	981226
Nishant Navin	981217
Rajiv Ranjan	981218
Ravi Shekhar	981220
Abhishek Kumar	981201
J. Rohan	981211

Mechanical Engineering

Name	Roll No.
Jay Dhariwal	981309
Vamshi Krishna K.	981323
Vikram Gulia	981324
Manish Khandelwal	981314
Amit Nath Pandey	981301
Kshitij Goel	981312
Krishna Murari	981311
Satish Chandra Gupta	981319
Harpreet Singh Chadha	981308
Atul Kumar Dixit	981304
Rohitash Kainth	981318
Vipin Sachdeva	981325
Gurpreet Singh	981307
Mayank Singhai	981315
Tahsin Ali	981322
Sikandar Kumar	981321
Kamal Viswanath	981310
Atul Rawat	981305
Kundan Krishna	981313
Ashutosh	981303
Bharat Mishra	981306

Civil Engineering

Name	Roll No.
Deepak Kumar	981406
Arun Kochar	981403
Deepak Avari	981405
K. Venkata Narasimham	981408
Rahul Misra	981412
Shashank Gupta	981413
Shweta	981414
Manish Kumar	981409

List of students who have fulfilled the requirements for the award of the **B. Des. Degree Design**

Name	Roll No.
Shweta Aneja	981514
Pathipaka Omprakash	981510
Jyoti Kumar	981505
Aditya Singh Chand	981502
Abhishek Kumar	981501
Pulkesh P Gunaicha	981511
Puneet Talesara	981512
Punit Kumar Gupta	981513
Anant Trivedi	981503
Vijayender Gakhar	981515
Kunamneni Rajanarayana	981507
Pankaj Arora	981509

List of students who have fulfilled the requirements for the award of the **M. Sc.** Degree

Physics

Sucismita Chutia	002607
Monisha Sharma	002604
Surajit Saha	002609
Hrishikesh Sarma	002602
Sudarshan Baruah	002608

Chemistry

Name	Roll No
Pompi Hazarika	002708
Gitalee Bhattacharjya	002703
Balaka Barkakaty	002701
Jayashree Nath	002705
Manabendra Sarma	002706
Bandana Talukdar	002702
Gopa Kar	002704
Navanita Sarma	002707
Prarthana Devi	002709
Tandra Bhowmick	002710

Mathematics and Computing

Sonu Dugar	002808
Gagan Agrawal	002802

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

Name	Roll No.	Project Title
Wasi Asghar	003123	Local Area Distributed Resource Management System
Naveen Choudhary	003112	Low Power Testing for Combinational Circuits
Praveen J.	003113	Adaptive Distributed Transaction Managers
Venkata Kishore M.	003122	Intelligent Agents for Tour Planning
M. Prabhakara Reddy	003108	Kinetic a-Shapes
Madhu Tadiparthi	003109	Straight Skeleton : Application to Map Generalization
N. Ramnath	003111	FPGA Based Internet Protocol Version 6 Router
Bawankar Nirajkumar Ramesh	003105	False Paths Detection in RTL Design
Sabbavarapu Sekhar	003115	An Efficient And Reliable Group Management (ERGM) Protocol
Shukla Mukul Ramesh	003117	Mobile Ad Hoc Networks : Analysis and Improvement of Routing Protocols
Rama Gopal Popuri	003114	A PRAM based Programming Environment for Distributed Memory Machines
Shanmukha Rao Balla	003116	Design and Implementation of a User-profile assisted Meta Search Engine
Basa Rajesh	003104	Offline Handwritten Signature Verification System
Sudhakar Rao Bathini	003118	A Java-Based Algorithms Animation System
Manish Pawar	003110	Secure E-Banking Solution and Implementation
Varkala Prabhakar	003121	An Intelligent Web Shopping Assistant
Anumula Venkata Naga Seshaiiah	003102	Enhancements to the RT Linux Environment
V. Hari Hara Kiran Prasad	003120	Cache Analysis of Convex Hull Algorithms
Talluri Ravi Koti Kiran	003119	Design and Implementation of Network Management System Using Smart Packets
Balakrishna Mallipeddi	003103	Exploring Real Time Auction Systems
Prabhakar Sarma Neog	993114	A Secure Mobile Agent System

Electronics and Communication Engineering

Name	Roll No.	Project Title
Signal Processing		
Diganta Kumar Gogoi	003201	Generation of PSK and MSK Signals Using Logic Gates
Rambabu Maddali	003211	DSP Implementation of Symbol Timing Recovery Techniques in an MSK Receiver
Gattu Sujeeth Kumar	003205	Extended Scale Gradient Algorithm For Watershed Segmentation
Waikhom Bimolchand Singh	003218	DSP Implementation of GMSK Modem
G. Chakradhar Athreya	003203	A Multi-Prototype Possibilistic Approach to Texture Classification Using Morphology for Texture Description
S. Prajit Nair	003212	Speech to Text Based Medical Transcription System
Ramachandraiah Kommineni	003210	A Distributed Variable-Step Power Control Algorithm In CDMA Cellular Systems
Inti Surya Prabhavathi	003207	A Systolic Array Architecture for Signed TDLMS Adaptive Filter
Pravin Wagh	003209	TMS320C542 Based Voice Activated Telephone Dialing System
Vinod P.	003217	A New Algorithm of Video Watermarking
U.V. Raghavendra Nadh Reddy	003215	New Block-Based Affine Motion Estimation for Video Coding
Gara Suresh Kumar	003204	Study of Channel Capacity and Pulse Propagation through Nonlinear Optical Medium
Duggaraju V. Saradhi	003202	A Simplified Scheme for Phase and Timing Recovery for MSK Signals Using ML Estimation
Navajit Saikia	993215	Content Based Image Retrieval Using Two-Sided Linear Prediction
Dipak Das	993214	Content Impulse Noise Removal from Image Using Technique for Signal Reconstruction from Non-Uniform Samples
Laxmi Narayan Sharma	983206	Real-Time Implementation of a Class of DSP Algorithms Under Visual DSP Environment
Attota Appa Rao	983202	IS-54 Digital Cellular Modem Implementation on Texas Instruments TMS320C5XDSP Processor Dinesh
Shankar Pegu	983204	Wavelet Basis For Depth Resolution Of Surface EMG
Control System		
Santanu Sarma	003213	Fast Controller Implementation B Subband Coding
Hareesh Kumar Kodali	003206	Modeling the Web Server for E-Commerce Applications
Motamarri Siva Prasad	003208	A Simulator For IS-95 Cellular System
Shashi Kant Kumar	003214	Advanced and Adaptive Kalman Filter for Target Tracking

Mechanical Engineering

Name	Roll No.	Project Title
Fluids & Thermal		
Prasenjit Rath	003309	Transient Radiation Transport in Participating Medium
Debabrata Mahapatra	003303	Fluid Flow Simulation in Injection Moulding
N.S.R.V.S. Suresh Kumar	003305	Finite Volume Computation of High-Speed Flows on Unstructured Meshes
Pankaj Kumar Singh	003307	Study of Generalized Monte Carlo Formulation for Radiative Heat Transfer Problem in Participating Medium
Sachin Badjatiya	003312	Flow and Heat Transfer Study Over Ribbed Open Channel : A Laminar Two Dimensional Case
Pradeep Gupta	003308	Experimental investigations on Coriolis Mass Flowmeter
Chakka Sarat Babu	003302	Fluid Flow and Heat Transfeer Distribution in Roughened Passages and Sharp 180° Bends
Nagendra Kumar J.	003306	Experimental And Analytical Studies On Friction Wedge Dampers
Bholanath Behera	993311	Numerical Simulation Of Supersonic Nozzles
Manabendra Pathak	993310	Benchmarking Collapsing Coefficient For Usage in the Collapsed Dimension Method
Machine Design		
Sanjay Kumar Singh	003314	Acoustic Characterization of Crack And Fault In Metal Specimen
Shete Chandrashekhar Digamber	003316	Vibration and Optimal Control of Pretwisted Composite Blades
Shaik Karimulla	003315	Development of An Adaptive P-Refinement Scheme For Linear and Non-Linear Finite Element Analysis
Risbood Kedar Arun	003311	On-Line Prediction of Surface Finish, Dimensional Deviation and Tool Flank Wear in Turning Process
Sai Prasad Edara	003313	Study of Deformation Fields In Cold Flat Rolling Using Finite Element Method
Thavva Subramanyam	003318	Damage Detection in FRP Laminated Composites
Karuna Kalita	993309	Optimal Design of Rolling Element Bearings Using Deterministic and Stochastic Methods
Deba Kumar Sarma	983303	Design and Fabrication of a Cold Rolling Mill Using Fuzzy Set Based Methodology

Civil Engineering

Name	Roll No.	Project title
		Structural Engineering
M.N.V. Sasidhar	003406	Vehicle Induced Non-Stationary Response of Bridge
Prodip Kumar Paul	003411	Response of Liquid Storage Tank Considering Fluid Structure Interaction
G. Sateesh Kumar	003404	Assessment of Seismic Damage Of R.C. Framed Buildings using Fuzzy Logic
Animesh Das	003401	Dynamic Analysis of Cable-Stayed Bridge Under Vehicular Movement
P. Penchala Reddy	003408	Study of Low Velocity Impact on Composite Laminator
Sumen Das	003412	Object-Oriented Finite Element Programming; A Framework for Implementation of Plane Stress and Plate Bending Problems
Asish Saha	003403	Damage Detection and Assessment of Structure by Neural Network
Pawar Prashant Maruti	003410	Design Sensitivity Analysis Using Elastoplastic Constitutive Model by Finite Element Method
Nazrul Imam	003407	Analysis of Ferro Cement Roofing Element

Ph.D.

Name	Thesis Title
Mechanical Engineering	
Kalyan Kalita	Predictions of Turbulent Plane Plume in Quiescent Ambience and Turbulent Plane Jets in Crossflow
Physics	
Sudipta Nandy	Study of Nonlinear Evolution Equations and Their Integrability
Chemistry	
Jyotirekha G. Handique	Synthesis, Characterization and Physicochemical Studies of some Polyphenolic Compounds
Siddhartha Sankar Dhar	Synthesis of Selected Fluoro Compounds of Copper (I) and Manganese (III) and Development of Peroxo-Metal Catalysed / Promoted Environmentally Preferable Methodologies and Reagents for Bromination of Organic Substrates.
Amrit Puzari	Oxidative Transformations of some Activated Aromatic Compounds Mediated by Cobalt (II) and Copper (II) Complexes
Mathematics	
Shabeena Ahmed	Expansions of C-sets and D-sets having Jordan automorphism groups and related questions
Shreemayee Bora	A Geometric Analysis of Spectral Stability of Matrices and Operators
Jiten Chandra Kalita	HOC Schemes for Incompressible Viscous Flows : Applications and Development