



भारतीय प्रौद्योगिकी संस्थान गुवाहाटी, उत्तर गुवाहाटी

Indian Institute of Technology Guwahati
North Guwahati

पंचम दीक्षांत समारोह

Fifth Convocation

Friday 30 May, 2003



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Programme

- National Anthem
- Invocation
- Chairman, BoG declares the convocation open
- 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
- Chairman, BoG declares the convocation closed

- National Anthem

Board of Governors

Lt. Gen. (Retd.) S. K. Sinha Governor of Assam	Chairman
Prof. G. Barua, Director, IIT Guwahati	Ex-Officio Member
Prof. Kamaleswar Bora Former V. C. Dibrugarh University	Nominee of the Council
Shri S. K. Tripathi, Secretary, MHRD	Nominee of the Council
Prof. D. Dutta Mazumdar Professor, Emeritus, Indian Statistical Institute, Calcutta	Nominee of the Council
Dr. G. Ch. Chennaiah Director and Member Secretary, Arunachal Pradesh State Council for Science and 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 (Upto 30/09/2002)
Dr. N. K. Choudhury Former V.C., G. U., Rukminigaon, Guwahati – 22	Nominee of the State of Assam (From 01/10/2002)
Prof. A. D. Sahasrabudhe Professor, Deptt. of Mechanical Engineering IIT Guwahati	Nominee of the Senate (Upto 10/04/2003)
Prof. K. Ramachandran Professor, Department of Design, IIT Guwahati	Nominee of the Senate
Prof. A. K. Gogoi Professor Electronics and Communication Engineering, IIT Guwahati	Nominee of the Senate (From 10/04/2003)

Organisation

Lt. Gen. (Retd.) S. K. Sinha	Chairman, Board of Governors
Prof. Gautam Barua	Director
Prof. A. D. Sahasrabudhe	Deputy Director
Prof. M. K. Chaudhuri	Dean, Research & Development
Dr. P.K. Bora	Associate Dean, Academic Affairs
Mr. Ravi Mokashi Punekar	Associate Dean, Students' Affairs
Prof. M. C. Borgohain	Registrar

Head of Departments

Dr. S. Chattopadhyay	Computer Science and Engineering
Prof. A. K. Gogoi	Electronics and Communication Engineering
Dr. P. S. Robi	Mechanical Engineering
Dr. Sudip Talukdar	Civil Engineering
Prof. S. Nadkarni	Design
Dr. R. Swaminathan	Biotechnology
Prof. D. S. De	Chemical Engineering
Dr. A. Srinivasan	Physics
Dr. J. B. Baruah	Chemistry
Dr. D. C. Dalal	Mathematics
Dr. S. Borbora	Humanities and Social Sciences

Gold and Silver Medalists



President of India Gold Medal

Abhishek Verma

Computer Science and Engineering



Silver Medal

Ramashish Prasad Baranwal

Electronics and Communication Engineering



Silver Medal

Bhupesh Chandra

Mechanical Engineering



Silver Medal

Vivek

Civil Engineering

Gold and Silver Medalists



Silver Medal

Ashish Krishna

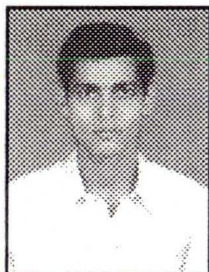
Design



Silver Medal

Ningthoujam Raghu Meetei

Physics



Silver Medal

Bani Kanta Sarma

Chemistry



Dr. Shankar Dayal Sharma Gold Medal

Yugandhar Reddy Karna

Computer Science and Engineering

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

Computer Science and Engineering

Name	Roll No.
Abhishek Verma	991105
Shashi Shekhar Singh	991137
Yugandhar Reddy Karna	991140
Niranjan	991139
Mohammad Hassan	991138
Shree Raman	991133
J. Venkata Pavan Kumar	991117
Abhinav Arora	991102
Hersh V. Shukla	991114
Nishant Kumar Soni	991126
Himanshu Varshney	991115
Advait Abhay Dixit	991106
Shailesh Narayan	991132
Ritwik Tewari	991130
Gaurav Gupta	991112
Varun Kohli	991135
Deepak Kumar Singh	991110
Suresh Krishnappa	991134
P. Utheja Rao	991129
Neel Kamal	991125
Nitin Madnikar	991127
Mayanglambam Shangkar Meitei	991122
Partho Sarathi Ghosh	991128
Abhishek Prakash Chaubey	991104
Anand Gupta	991107
Abhijit Das	991101
Abhishek	991103
Harsh Bhatnagar	991113
Eric Nishant Ekka	991111
Chintalapani Deepak Reddy	991109
Jagmeet Singh Sidhu	991118
Kapil	991120
Anubhav Das	991108
Satyam Dheeraj	991131
Nandan Chaturbhuj	991124
Injewar Vishal Rameshwar	991116
Moi Riba	991123
Manoj Kumar Singh	991121
Sumeet Gupta	981125
Amit Srivastava (Posthumously)	981102
Nugur Rohan Reddy	981118

Electronics and Communication Engineering

Name	Roll No.
Ramashish Prasad Baranwal	991223
Jitesh Shah	991212
Subhash Chandra Thakur	991236
Boppana Surendra	991206
Mohit Bahadur Singh	991213
Ripinder Singh	991224
Sanjog Kusumwal	991228
Prashant Wason	991220
Ritesh Kumar Surana	991225
Syed Waquar Raza	991233
Mrigendra Nagar	991214
Abhishek Girotra	991201
Amit Kumar	991203
Anil Gahlot	991204
Ashish Singh	991205
Sumit Johar	991232
Sandeep Bethanabhotla	991227
Burugupalli Madhu	991207
Burugupalli Srinivas	991208
Shitanshu Shekhar	991230
Chandan Chandra	991209
Saurabh Arya	991229
Naveen Rathee	991215
S. Vasikar	991226
Akhilesh Kumar Misra	991202
Sumanta Saha	991231
Enuganti Prahlad Rao	991219
Harpreet Singh	991211
Ved Prakash Kamboj	991234
Gaurav Singh	991210
Prem Jyoti Basumatary	991221
Paresh Kumar Sethy	991218
Arijit Pal	961212

Mechanical Engineering

Name	Roll No.
Bhupesh Chandra	991306
Dhyanjyoti Deka	991309
Anoop Kohli	991304
Nishant Ojal	991320
Parasar Kodati	991313
G. Sandeep	991310
Amit Bansal	991303
Mayank Murarka	991317
Deepak Trehan	991308
Gagan Saket	991311
Punith Doddegowda	991325
Maheep Jain	991315
Sankalp Soni	991327
Mayuri Gupta	991318
Abhishek Gupta	991301
Subodh Kumar	991330
M. Sharat Chandra	991314
Nitin Verma	991321
Maruti Pathak	991316
Arvind Singh	991305
Vinay Kasturi	991332
Ajay Kumar	991302

Civil Engineering

Name	Roll No.
Vivek	991414
Amit Utkarsh Sinha	991401
Bhupinder Singh	991404
Aniruddha Jain	991402
Sanjay Rathore	991410
Sambhav Sogani	991409
Shailesh Kalsia	991412

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

Name	Roll No.
Ashish Krishna	991504
Sidharth Saxena	991513
Shruti Shrivastava	991512
Sunil Singh Parihar	991514
Kapil Arora	991507
Saveen Kumar	991510
Ankur Richhariya	991502
Anand Kumar Yadav	991501
Ankur Jhawar	991503

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

Physics

Name	Roll No.
Ningthoujam Raghu Meetei	01212104
Ritupan Sarmah	01212106
Bhaskar Jyoti Borah	01212101
Tina Dhekial Phukan	01212109
Shalini Mishra	01212108
Maisnam Swomichand Singh	002603
Bhagat Lal Dutta	002601

Chemistry

Name	Roll No.
Bani Kanta Sarma	01212204
Sumana Dutta	01212210
Angshuman Nag	01212201
Md. Lokman Hakim Choudhury	01212208
Ballav Moni Borah	01212203
Mausumi Goswami	01212207

Mathematics and Computing

Name	Roll No.
Zenia Nandi	01212310
Mridusmita Goswami	01212309
Aniruddha Chakravarty	01212301
Gyanendra Tiwari	01212305
Pranab Kalita	002807
Jiwan Krishna Goswami	002805
Kajaljyoti Borah	002806
Chandra Prakasam Perneti	002801
Ivy Chakrabarty	002804

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
P. Naga Maheswara Reddy	01410119	Some Strategies for Low Power Finite State Machine Synthesis
Tella Venkateswarlu	01410125	A Simulator for PRAM Programs
Pragati Kumar Dhingra	01410118	Real-Time System Installation Tools
Alli Kiran Kumar	01410102	Time Consistency in Partitioned Replicated Databases
Gangadhar Mylapuram	01410109	Comparative Study and Analysis of HMMs for Spoken Assamese in Clean and Noisy Conditions
K. Sudarsana Reddy	01410115	Genetic Algorithm Based Strategy for System on Chip Testing
Kamasamodram Ramesh	01410116	Discovering Active Regions in Non-redundant Genome Databases
Sanjay Trivedi	01410121	Design of Content-Based Image Retrieval System
Ashish Kumar Singhal	01410101	Design of a B2B Model Using XML Web Services
Ammanamanchi Sasikanth	01410104	An Embedded Learning Controller for Autonomous Re-Configurable Robots
Bharadwaj	01410105	An Array-Based Framework for Efficient Processing of On-Line Analytical Processing (OLAP) Queries
Anit Kumar Jha		
Jujjuru Durga Prasad	01410114	Integrated Development Environment for RTLinux
Manish Agarwal	01410117	Cache Efficient Algorithms <i>for some graph problems</i>
Tentu Bangari Naidu	01410124	Design and Implementation of E-governance Framework for State Government
Virendra Pratap Singh	01410127	Acoustic-Phonetic Classifier for Assamese
V. Shyam Prakash	01410126	A Co-operative Agent Architecture for Learning User-Behaviour on the Desktop
Jakki Sasidhar	01410113	Multiplexer based Decomposition of Circuit targeting Low Power FPGA Technology Mapping
Rajaboina Yadagiri	01410120	External Memory Algorithms for Graph Search
Dattatraya Sakharam Adane	01410108	Path Planner for Pushing an Object Amidst Polygonal Obstacles
Apurba Sarkar	01410106	An Optical Character Recognition System for Bengali and Assamese
Jammi Nagendra Mukhya Prana	01410111	Pseudoexhaustive Testing with Cellular Automata
Sudheer Chemudugunta	01410122	Peak Power Minimization During Combinational Circuit Testing
Alok Goyal	003101	Process Hibernation in Linux

Electronics and Communication Engineering

Name	Roll No.	Project Title
		Signal Processing
Ajit Singh	01410201	An Efficient FPGA Implementation of DWT and IDWT
Than Singh Rathore	01410223	An Efficient Hillclimbing Technique for Watershed Computation and its FPGA Realization
K. Vamsi Krishna Reddy	01410207	Improved Max-Log-Map Algorithm Without SNR Estimation
Jatinder Kumar Goswami	01410206	Implementation of Computer Vision Algorithms on a Reconfigurable Multi Ring Network
Meka Venkata Rama Krishna	01410211	Oblivious Audio-Adaptive Watermarking Using Patchwork Algorithm
V. Kiran	01410224	Integrating the Active Contour and the Watershed Algorithms
Rama Krishna Kosuri	01410218	Oblivious Watermarking of Digital Video Using Inter-Frame Similarities
Pochinapeddi Phaneendra	01410213	Improved Accuracy in Frame Synchronization for OFDM Based WLANs
Suresh Kumar Kurmi	01410222	ADSP-21160 Based Implementation of Motion Estimation Algorithms
Gaddala Krishna Prasad	01410204	Classification of ECG Arrhythmias using Multi-Resolution Analysis and Neural Networks
Seeke Ramamohan	01410221	Vector Quantization and HMM Classifiers for Recognition of Stressed Speech
Muvva Peda Veeraiah	01410212	Fuzzy Proportional Integral-Proportional Derivative (PI-PD) Controller
Arangam Madhu Babu	01410202	Wavelet Based Watermarking and Data Hiding for Medical Images
Raju Siripurapu	01410217	An Improved Wavelet-based ECG and BP Data Compression for a Mobile Telemedicine System
Bhaskar Jyoti Rajbongshi	01410203	Performance Evaluation of a Trellis Coded Modulation Scheme on a Rayleigh Fading Channel for QPSK and $\pi/4$ -DQPSK Signalling Formats
Venkata Kanaka Ananthanag Kaza	01410225	Extraction of Fetal ECG Using Blind Source Separation
Prawin Janardhan Bhagat	01410216	Adaptive Fuzzy Self-Learning Controller for Robotic Manipulators
Vineet Kumar Asati	003216	Implementation of DQPSK Modem

Mechanical Engineering

Name	Roll No.	Project Title
Fluids and Thermal		
Amaresh Dalal	01410302	Computation of Two-Dimensional Incompressible Laminar Flow and Heat Transfer in Complex Boundaries Using Finite-Volume Method
P. Suresh Kumar	01410315	Experimental Investigation of Heat Transfer Augmentation in a Concentric Tube Heat Exchanger
Kadam Himani Bhalchandra	01410310	Preliminary Aerodynamic Design of Axial Compressors and An Approach to Laminar Flow Computation over a Complex Geometry
Dibya Jyoti Deka	01410306	A Comparative Study of Pressure Correction Techniques on Staggered and Collocated Meshes
A. Sahaya Grinspan	01410301	Development of a Low Speed Wind Tunnel and Testing of Savonius Wind Turbine Rotor with Twisted Blades
Subhankar Sen	01410324	Steady, Laminar, Incompressible Flow in a Cubic Lid-Driven Cavity
Madhusudhana Rao Gavara	01410309	Nonlinear Dynamics and Control of Boiling Water Reactors
V. S. Prakash Talamanchi	01410326	Development of a Linear and Quadratic Reconstruction Based FVM Software for Computing High Speed 2D Flows over General-Geometries
Venkata Ratnarao D.	01410328	Effect of Turn Treatments on the Pressure Drop Distribution in Smooth and Rib Roughened Square Channels with Sharp 180° Bend
Pintulal Sardar	01410316	A Review of Turbulent Plane and Round Jets and Predictions of Turbulent Coflowing Round Jet
Machine Design		
Veerabhadra Reddy S. Y.	01410327	Identification of Bearing Dynamic Parameters from Rotor Bearing Systems Response
Sujeet Chandra	01410325	Isoparametric P-Refinement Finite Element Analysis and Neural Network Modeling of Cold Flat Rolling
Pothala Trinadh	01410318	Dynamics of Two-Degree-of-Freedom Regenerative Turning Tool Chatter
Sairajan K. K.	01410320	Finite Element Analysis of FRP Composites with Embedded Delaminations
Nalliboyana Dharma Raju	01410314	Vibration Analysis and Identification of Crack Model Parameters in Cracked Beams
Shailendra Kumar	01410323	Analysis of Cracked Component Using Finite Element Method with Error Estimation
Karali Patra	01410311	Estimation of Dynamic Coefficients and Stability Analysis of Multilobe Bearings
Khairnar Milind Ramesh	01410312	Recognition of Manufacturing Features from Solid Models
G. Veda Bhanu	01410308	Dynamic Analysis of a Flexible Manipulator
Piyush Gupta	01410317	Preparation and Characterisation of Ferromagnetic Shape Memory Alloys
E. Murthunjoy	01410307	Study of Mechanisms of Ductile Fracture
Shaik Babu	01410322	Study of Parametric Instability of Sandwich Beams
Wankhade Sachin Girikishore	01410329	Vibration Control Using Magnetorheological Fluids
Vinay Kumar Roy	003320	Bulk Reaction Modeling of Lined Ducts With and Without Mean Flow

Civil Engineering

Name	Roll No.	Project Title
		Structural Engineering
Shaleen Mathur	01410416	Seismic Response Control of Asymmetric Buildings with Supplemental Dampers
Bharatha Srinivas	01410403	A Study on Wind Induced Vibration and Control in Tall Chimneys
Vangapandu Govinda Rao	01410419	Prediction of Fatigue Life of a Continuous Bridge Girder from Vehicle Induced Response
Pollayi Hemaraju	01410409	Object-Oriented Finite Element Programming : A Framework for Implementation of some of the Mixed Formulations
Rashmi Ranjan Tripathy	01410411	Damage Assessment of Structures Using Artificial Neural Network and Genetic Algorithm
B. Yerrayya Swamy	01410402	Dynamic Analysis of Asymmetric Multistoreyed Frame-Shear Wall Buildings Including Soil-Structure Interaction
Sabhyasachi Chand	01410412	Shape Optimization of Structures Subjected to Transient Dynamic Load Using Genetic Algorithms
T. Appala Naidu	01410418	Stability Study of Cable-Stayed Bridge Under Wind Load
Sarat Chandra Ghadei	01410415	Seismic Analysis of Concrete Gravity Dam Considering Fluid Structure Interaction
Pallapu Chandra Sekhar	01410408	Object-Oriented Finite Element Programming : A Framework for Implementation of Shear Flexible Beam Elements
Arun Ch. Borsaikia	003402	Study of Modal Parameters of Concrete Members for Identification of Cracks
Pallabi Borthakur	003409	Dynamic Analysis of Reinforced Concrete Base Isolated Bridge Under Earthquake Excitation

Ph. D.

Physics

Name	Roll No.	Thesis Title
Debojit Sarma	984402	Study of $N = 1$ and $N = 2$ Supersymmetric Integrable Hierarchies and Their Soliton Solutions
Bachaspatimayum Indrajit Sharma	994401	Studies on Certain Vanadium Pentoxide Based Semiconducting Oxide Glasses Exhibiting Majority Charge Carrier Reversal Phenomenon

Chemistry

Name	Roll No.	Thesis Title
Gopal Bose	974504	Investigation of Bromination Reactions Using Organic Ammonium Tribromide and Their Applications Towards Bioactive Natural Products Synthesis
Upasana Bora	984503	Peroxovanadate(V) Mediated Synthesis of Quaternary Ammonium Tribromides and Oxidative Organic Brominations, Synthesis and Structural Assessment of Newer Heteroligand Diperoxovanadates(V) and Efficacy of a New Chromium(VI) Reagent
R. Gopinath	974503	Peroxovanadium Catalysed Oxidative Transformations of Organic Functional Groups & Tetrabutylammonium Tribromide in Organic Synthesis
Pankaj Malla Bujar Barua	974501	Development of New Synthetic Method ologies in Carbohydrate Chemistry, Synthesis of the Naturally Occurring Compound Lecytophorin and Nitrogen Heterocycles