

PROSTECTUS 2011-12 SESSION

NITS MIRZA



NETES INSTITUTE OF TECHNOLOGY & SCIENCE MIRZA



Established & Managed by

**NORTH EAST TECHNICAL EDUCATION SOCIETY
(NETES)
GUWAHATI : ASSAM**

INTRODUCTION

The economic development and progress of a nation depends largely on the quality of its professional and higher education system. Mere increase in the number of institutions and universities does not ensure real development; the academic systems need to blend the right philosophy, theory and practice and combine it with true innovations and thorough professionalism to be world class. Today the largest segment of India's population is the youth, and the World Development Report, published in 2007, clearly mentioned that the phenomenon of increasing youth population in India presents an unprecedented opportunity to accelerate growth and reduce poverty. The North Eastern Region of India possesses boundless natural endowment and tremendous scope for human resource development to benefit not only the emerging state economies in the region but also to contribute to the national economic growth and development.

With this clear understanding and a deep commitment, the North East Technical Education Society (NETES) launched its first higher education venture in the form of **NETES Institute of Technology & Science Mirza (NITS Mirza)** in the year 2009. NITS Mirza has been conceived, designed and developed to be a path-breaking institution defining the new contours of technical and management education in the region. NETES was formed in Guwahati in the year 2005 and has already initiated a number of ambitious projects to develop appropriate skills and impart relevant knowledge to the young students of this region.

INFRASTRUCTURE AT THE NITS MIRZA CAMPUS

Mirza is an emerging township on the National Highway 37, located just 28 km from the city centre of Guwahati and 6 km from the Lokapriya Gopinath Bordoloi International Airport, Guwahati. Nestled amidst pollution-free green surroundings with a serene ambience, the NITS Mirza is being developed in a sprawling 20-acre campus, incorporating all those aspects that go into making a healthy and well-equipped young engineer ready to accept modern challenges of life. Starting with the engineering college, with a strong research & development infrastructure the master plan provides for subsequent schools for Science and Management education within the same campus. NITS Mirza is affiliated to the Gauhati University and approved by All India Council for Technical Education (AICTE).

In the first phase of development NITS Mirza has been launched in the year 2009 (academic session 2009-2010) with intake of about 200 students in 4 branches of engineering, a 6000 sq ft Library, a 3000 sq. ft. Computer Centre, a 9000 sq ft modern Workshop, state-of-the-art laboratories, classrooms, besides a 100,000 sq ft playground for outdoor games and a gym. Other recreation facilities and students amenities would also be provided for the students and faculty.

PEOPLE BEHIND NITS MIRZA

North East Technical Education Society (NETES) was formed by a group of like-minded, socially aware and committed individuals drawn from academia, industry, business and social enterprises. While most of the members are post-graduates and Ph.Ds from the IITs and Assam Engineering College, the Society is proud to also have a few well-educated NRIs and past Directors and Chairmen of national bodies as Associate Advisors of the Society. NITS Mirza is a dream child of this group of passionately committed people, who aspire to put the North East Region firmly and prominently on the technical and management education map of India.

CORE VALUES

NETES and all its institutions, current and future, shall base their thoughts and actions on a set of core values, or principles and guidelines for organizational conduct and behaviour. We have chosen these to be:

- Integrity
- Transparency
- Meritocracy
- Dignity
- Innovation
- Teamwork.

GOVERNANCE

NITS Mirza is governed by a Governing Body, constituted in accordance with the AICTE guidelines composed of eminent academic leaders, NETES members, and nominees of AICTE, Assam Government, Gauhati University, and the industry. The Principal of NITS Mirza is the administrative and academic head of the institute.

DISCIPLINES CURRENTLY OFFERED FOR STUDY AT NITS MIRZA

NITS Mirza offers admission in the following disciplines of 4-year Bachelor of Engineering Degree course under affiliation to Gauhati University for the academic session 2011-12:

- B.E. in Computer Science & Engineering (CSE)
- B.E. in Electrical & Electronics Engineering (EEE)
- B.E. in Electronics & Communication Engineering (ECE)
- B.E. in Mechanical Engineering (ME)

Each discipline would admit 60 students this year.

Computer Science & Engineering

The B.E. in Computer Science & Engineering (CSE) course is very much in demand by those planning a career in the industry or hoping to pursue research at the post-graduate level. NITS Mirza is equipped to build strong fundamentals in the subject with emphasis on system software, operating systems, computer organization & architecture, and theory of computations to prepare the students for a wide variety of career options.

Electrical & Electronics Engineering

The Gauhati University at the initiative of NITS Mirza introduced the Electrical & Electronics Engineering (EEE) course for the first time from academic session 2009-10. The electronics component of EEE is fairly significant with special emphasis on modern digital computing and software techniques. With convergence of electrical engineering and electronics engineering, the EEE graduates would be equipped to work across diverse industries (Automotive, Consumer, Electronics, Infrastructure, etc.) and utilities (Electricity, Telecom, Transportation, etc.) with a new orientation towards modern electronics control devices and internet base data/information management.

Electronics & Communication Engineering

Electronics & Communication Engineering (ECE) is a challenging course allowing several specializations such as VLSI design, Microprocessor Design, Robotics, Embedded Systems and Communications (Satellite / Mobile / Basic), etc. An ECE graduate has the option of selecting a career path in Software, IT, Electronics and Telecommunication.

Mechanical Engineering

A classic engineering stream, Mechanical Engineering (ME) is nevertheless a popular choice for the discerning student. NITS Mirza is committed to prepare its ME graduates for a variety of future options including Structural Engineering, Robotics and Mechatronix.

FACULTY

The institute has a strong line-up of highly qualified faculties in Physics, Chemistry, Mathematics, Computer Science & Engineering, Electronics, Electrical, Mechanical, Civil, Instrumentation and Chemical Engineering and Humanities with academic and research interest, some of them with considerable industry and research background both within and outside the country.

LIBRARY

A well-appointed library serves as the backbone of expanding horizons of education and knowledge. With about 6000 sq ft of covered area at present, the NITS Mirza Library has been planned to finally extend up to about 20,000 sq ft with the best collection of text books, reference books, journals and magazines to cater to the students and faculty of the institute. Consisting of leading academicians, NITS Mirza management is naturally sensitive to the critical importance of adequate reading room facilities, e-journals, fast and easy access to reference material and flexible timings for the users of this library. Library hours are extended beyond normal working hours during examination time to give students an edge over their counterparts in other institutions/colleges.

COMPUTER CENTRE

With computers becoming an integral part of academia and industry, NITS Mirza students would be spending a major part of their student life at this Centre, which is equipped with adequate numbers of state-of-the-art computers with power back-up, sufficient printing facilities, and quick connectivity to the internet and other shared resources. However, the most attractive feature of this Centre is first-of-its-kind in this Region “Remote Laboratory” that promises to bring about a revolutionary change to the way students conduct experiments and access hands-on study materials.

INTERNET

In its quest to make its students truly global citizens by adopting the best constructive practices of the Internet World, NITS Mirza provides for wireless internet connectivity to its students, faculty and staff. Appropriate network security ensures the use of the internet resources for our stated goal of furthering quality education of global standards.

SPORTS & RECREATION

The Students’ Gymkhana in NITS Mirza would act as the backbone of sports, cultural, literary and other extra-curricular activities of the institute. Students would be encouraged to develop and hone their skills in varied forms of games, sports, fine arts, and performing arts, as well as participate in various prestigious events of the Region and the country. Mindful of the need to create well-rounded and well-adjusted members of society for a bright future, NITS Mirza follows an annual calendar that puts a premium on the development of soft skills, communication capabilities, personality development, teamwork and leadership, besides research-led education in the fields of science, engineering and management.

MEDICAL HELP

There is arrangement in the campus for the treatment of minor illness and ambulance for emergency service. Qualified doctors would be available round the clock for consultation. In the unfortunate eventuality of any major illness, immediate steps will be taken for their treatment in the city hospitals and parents/guardians will be immediately informed.

GUIDANCE AND PLACEMENT

Students in groups are attached to Faculty Advisers who interact with and counsel them on their day-to-day and academic problems. Arrangements will be made for Summer Training of the students in industries and research laboratories / institutions. The Placement Cell will arrange interview of the final year students with potential employers.

RESEARCH, TRAINING & SKILL DEVELOPMENT

In the very first year of its establishment, NETES and NITS Mirza made major achievements in establishing the following facilities for research, training and skill development of the students of NITS Mirza as well as students and graduates from other institutions:

Robotics Lab

A most sophisticated Robotics and embedded systems training center equipped to provide students the opportunity to learn hands-on, the 'Art of Robotics'.

Remote Lab

Remote Lab of NITS Mirza, the first of its kind in this part of the country, is an innovative concept in experiment based training & research to enable students to access experiments and tutorials via internet in a unique learning process.

Bhola Nath Saikia Communication Research Centre

A centre at NITS Mirza with cutting edge R&D infrastructure to work on areas such as computer to computer wireless communication, broadband, digital modulation etc.

Regional Centre of Excellence in VLSI/Embedded Systems of Synopsys, California, USA

Remote learning from world-class experts and Remote access laboratory practices in VLSI/Embedded Systems through adoption of modern industry oriented curriculum of Synopsys compatible to European/US credit systems to promote industry networks and enhance employability world wide through Synopsys certification.

Internship Programme

The Internship Programme at NITS Mirza offers opportunities to graduates from other institutions in skill development. One of our Internees has already been selected by Synopsys, USA for advanced internship.

HOSTEL ACCOMMODATION

Hostel facility is available within / near NITS Mirza campus in separate hostels for boys and girls established, managed and run exclusively for NITS Mirza students by DIHANG EDUTECH, an associate of North East Technical Education Society (NETES) and NITS Mirza.

FOR DETAILS OF HOSTEL ACCOMMODATION, FACILITIES AND CHARGES PLEASE SEE HOSTEL BROCHURE AT THE END OF THIS PROSPECTUS.

ADMISSION (2011-12 SESSION)

Eligibility Requirements

- (a) 50% aggregate marks in Physics, Chemistry and Mathematics (PCM) in Higher Secondary (10+2) Examination of any reputed board/ council with relaxation, wherever applicable, as per Government norms for different categories
- (b) A rank in the merit list of AIEEE and fulfillment of AICTE norms or a rank in the Combined Entrance Examination (CEE) of the State of Assam.
- (c) Age not to exceed 25 years as on 01 October 2011, with relaxation of 5 years in case of scheduled caste, scheduled tribe and physically handicapped categories.

Mode of Selection

- (a) 65% through merit in CEE, Assam with reservations for different categories as per Government norms.
- (b) 25% through merit in AIEEE.
- (c) 10% through merit in qualifying examination and AIEEE/CEE and interview.

LATERAL ADMISSION OF DIPLOMA HOLDERS IN ENGINEERING IN THIRD SEMESTER (2011-12 SESSION)

Limited seats are available for admission of Diploma holders in engineering and technology in the 3rd Semester of 2011-12 academic session.

Eligibility Requirements

- (a) Diploma in the appropriate branch of engineering with minimum 60% aggregate marks from any institution under or recognized by State Council for Technical Education, Assam with relaxation, wherever applicable, as per Government norms for different categories. Diploma holders from institutes other than those under State Council for Technical Education, Assam must submit certificate of recognition of the institutes by the Council.
- (b) A rank in the merit list of Entrance Examination to be conducted by NITS Mirza for Lateral Admission.

Mode of Selection

Through merit in the Entrance Examination with reservations for different categories as per Government norms.

Entrance Examination

Eligible diploma holders in engineering and technology seeking admission through lateral entry must appear in an Entrance Examination to be conducted by the institute on a date and time to be announced later. The Entrance Examination will be of one paper of 100 marks and 3 hours duration.

Courses for Entrance Examination

Mathematics	50 marks	As per 1 st & 2 nd Semester syllabus of 4-year B.E. Degree Course of Gauhati University.
Engineering	50 marks	General questions on the specialization (branch) in Diploma Course.

FEES

We at NITS Mirza have bent every muscle to keep expenses at its minimum without any compromise on quality. The following fees will be payable annually, either in a single installment at the time of admission or in 2 installments and there is no hidden cost involved:

Particulars	Payment Mode: Single Installment	Payment Mode: 2 Installments	
	At the time of Admission	At the time of Admission	Before December 31, 2011

Tuition Fee	90000.00	45000.00	45000.00
Admission Fee	20000.00	20000.00	-
Library Fee	3000.00	3000.00	-
Students Activity	4000.00	4000.00	-
Internet Charges	3000.00	3000.00	-
TOTAL	120000.00	75000.00	45000.00

All payments are to be made by Demand Draft in favor of “**North East Technical Education Society**” payable at **Guwahati**.

HOW TO APPLY

Application Form and Prospectus can be obtained from the following offices / establishments of NITS Mirza and NETES on payment of Rs. 200.00 (Rupees two hundred only) by Cash or Demand Draft/Banker’s Cheque in favour of “**North East Technical Education Society**” payable at **GUWAHATI** either personally or through messenger or through postal request:

Addresses for obtaining Application Forms & Prospectus and submission of completed Application for Admission		
NITS Mirza Mirza 781125 District Kamrup Assam Phone: 03623-230773 03623-230774	North East Technical Education Society C-3 Damayanti Mansion S.N. Borah Lane Dighali Pukhuri East Guwahati 781001 0361-2735521 98599-28352	NETES Laboratory 3 rd Floor, The Institution of Engineers (India) Building Panbazar Overbridge East By-lane Guwahati 781001

PROSPECTUS AND APPLICATION FORMS CAN ALSO BE DOWNLOADED FROM OUR WEBSITE www.nitsmirza.com

IMPORTANT DATES

Issue of Application Form & Prospectus	3 rd week of March 2011
Receipt of Completed Application for Admission	June 20, 2011
Counseling for Admission through AIEEE	4th week of June 2011
Counseling for Admission through CEE Assam	As notified by Director of Technical Education, Govt. of Assam
Counseling through Admission through merit in qualifying examination	4th week of June 2011
Entrance Examination for Admission of Diploma Holders through Lateral Entry	3 rd Week of June 2011
Counseling for Admission of Diploma Holders	1st week of July 2011

through Lateral Entry	
Last Date of Admission	As per instruction during Counseling
Commencement of Classes of Academic Session 2011-12	July 25, 2011

For further information please contact

Principal, NITS MIRZA

Mirza 781125, Assam

Tel: 03623-230773/230774 (Office),
99548-62236(Mobile)

Email: principal.nitsmirza@gmail.com /
akbaruwa@rediffmail.com

Website: www.nitsmirza.com

6. Date of Birth as per Birth Certificate/School Leaving Certificate

Day		Month		Year		

7. Sex : Male Female 8. Nationality

9. Community

10. Examination Scores

Examination	Board/ Council	Name of the Institution	Percentage of Marks				
			CHEM	MATHS	PHYS	PCM	Total
HSLC			Aggregate Percentage =				
HSSLC							
AIEEE	-	-					
CEE-Assam	-	-					

DECLARATION

I hereby declare that the information furnished above is correct. I also agree to abide by the Rules & Regulations of NITS Mirza and those of Gauhati University, if admitted.

Place: _____ Signature of Parent/Guardian _____ Signature of the Applicant _____
Date: _____

Enclosures:

1. Attested copy of proof of date of birth
2. Attested copy of mark sheet of the qualifying examination (10+2)
3. Attested copy of Score Card / Admit Card of AIEEE
4. Attested copy of Score Card / Admit Card of CEE Assam
5. Attested Copy of SC/ST/PH/OBC certificate from applicants in these categories

PREFERENCE OF BRANCH OF ENGINEERING	
Branch of Engineering	Preference
Computer Science & Engineering (CSE)	
Electrical & Electronics Engineering (EEE)	
Electronics & Communication Engineering (ECE)	
Mechanical Engineering (ME)	

Hostel Accommodation	Required*		Not Required	
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* Please fill up and submit HOSTEL FORM if Hostel Accommodation is required.

6. Date of Birth as per Birth Certificate/School Leaving Certificate

Day		Month		Year			

7. Sex : Male Female 8. Nationality

9. Community

10. Examinations passed

Examination	Council / Board	Name of the Institution	Branch of Engineering in Diploma	Year	Division / Class	% Marks
HSLC			-			
HSSLC			-			
Diploma in Engineering						

DECLARATION

I hereby declare that the information furnished above is correct. I also agree to abide by the Rules & Regulations of NITS Mirza and those of Gauhati University, if admitted.

Place: _____ Signature of Parent/Guardian _____ Signature of the Applicant _____
Date: _____

Enclosures:

1. Attested copy of proof of date of birth
2. Attested copy of mark sheet of Diploma in Engineering
3. Attested copy of certificate of recognition of the diploma institute, if applicable
4. Attested Copy of SC/ST/PH/OBC certificate from applicants in these categories

PREFERENCE OF BRANCH OF ENGINEERING	
Branch of Engineering	Preference
Computer Science & Engineering (CSE)	
Electrical & Electronics Engineering (EEE)	
Electronics & Communication Engineering (ECE)	
Mechanical Engineering (ME)	

Hostel Accommodation	Required*		Not Required	
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* Please fill up and submit HOSTEL FORM if Hostel Accommodation is required.

HOSTEL BROCHURE

HOSTEL ACCOMMODATION FOR NITS MIRZA STUDENTS

Hostel facility is available within / near NITS Mirza campus in separate hostels for boys and girls established, managed and run for NITS Mirza students by DIHANG EDUTECH., an associate of North East Technical Education Society (NETES) and NITS Mirza.

Hostel Features:

- Well-ventilated tiles flooring rooms with balcony (in campus hostels)
- Bed, wardrobe, mattress and pillow.
- Back-up Generator.
- Geyser during winter season
- Safe drinking water with UV Filter.
- Round the clock security.
- Dedicated Ambulance for Hostellers
- Hygienic vegetarian and non-vegetarian food.
- Refrigerator in Common Room.
- Television with DTH facility in Common Room.
- Choice of 2 and 3 seated rooms.

Hostel Fees for Session 2011-2012:

1. One time Refundable Security Deposit = Rs. 20000.00
2. Seat rent, food and logistics for one year (2011-2012):
 - Rs. 60000.00+ Rs.1000.00 VAT=Rs.61000.00 (for 2 seated room)
 - Rs. 55000.00 +Rs.1000.00 VAT= Rs.56000.00(for 3 seated room)

Hostel Fees Payment Schedule: One time at the time of admission as per detail given above or in two installments as shown below

Particulars	1 st Installment to be paid at the time of admission, Rs.	2 nd Installment to be paid before 15.12.2011, Rs.
Refundable Security Deposit	20000.00	-
Seat rent, food and logistics	31000.00/28500.00	
Total amount for 2 seated room	51000.00	30000.00
Total amount for 3 seated room	48500.00	27500.00

Mode of Payment of Hostel Fees:

Hostel fees should be paid by **Demand Draft** in favour of **DIHANG EDUTECH INFRASTRUCTURE PVT. LTD.** payable at GUWAHATI. **Local Cheque of Guwahati** or **At Par Cheque** will also be accepted. However a fine of Rs.500.00 will be charged on bounced cheque.

PLEASE NOTE:

1. Only students of NITS Mirza will be provided accommodation in the hostels.
2. Hostel seats will be allotted only after the students get admitted in NITS Mirza and payment of 1st installment of hostel fees. Choice of room type (2/3 seated) shall be on first come (paid) first serve basis.
3. **After being admitted in the hostels a student shall not be entitled for any refund of hostel fees except for the security deposit at the time of leaving NITS Mirza completing the course or discontinuing education leaving NITS Mirza.**
4. Security deposit will be refunded at the time of leaving NITS Mirza after adjustment of any pending dues, fines, compensatory charges etc., if any, without any interest thereon. Even if a student withdraws his seat from hostel due to any reason he will not be entitled for refund of security deposit till he continues his study at NITS Mirza.
5. Any dispute regarding hostel matters shall be subject to Guwahati jurisdiction only.

For further information on Hostels please contact

In-charge, Hostel Operation
NITS Mirza Hostels
Mirza 781125, Assam
Tel: 98540-63321 / 98599-28604/98599-28602

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7. Sex : Male Female 8. Nationality

8. Preference of type of accommodation (Please tick \checkmark in the appropriate box)

2 Seated Room	<input type="checkbox"/>	3 Seated Room	<input type="checkbox"/>
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DECLARATION

I hereby declare that the information furnished above is correct. I also agree to abide by the Rules & Regulations of Hostel Management and that in the event of violation of discipline, conduct, rules and regulations I shall vacate the hostel and shall not have any claim of refund of hostel fees already paid.

Place: _____ Signature of Parent/Guardian _____ Signature of the Applicant _____
 Date: _____

For NITS Mirza use only

The student has been admitted in NITS Mirza.

Branch Institute Code No.

Hostel accommodation may be provided.

Date Principal, NITS Mirza

For Dihang Edutech use only

Hostel Allotment

Name of the Hostel	
Type of Accommodation	
Room No.	

Details of hostel fees paid

Total Amount of Hostel Dues for Academic Session 2010-11	
Amount paid vide Cash / DD / Chq No.	
Dated Bank & Branch.....	
Balance	

Date In-charge, Hostel Operation