INFORMATION BROCHURE

Academic Session: 2023-2024

Post Graduate and PhD Programmes

M.Tech., M.Sc., MBA, and PhD (Full-time/Part-time)

NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY
[Deemed-to-be-University, under Section 3 of the UGC Act, 1956]
[Under Ministry of Education, Govt. of India, New Delhi]
Nirjuli - 791109
Arunachal Pradesh

Important Dates	
Opening of the portal for submission of online application along with requisite application fees.	**Wednesday, May 3rd, 2023**
Last date for submission of applications online with the requisite application fee.	**Thursday, June 22nd, 2023**
Date for downloading of Admit Cards	**Tuesday, July 4th, 2023 onwards**
Date of written test (PG)	**Saturday, July 15th, 2023**
Date of Interview/GD for MBA	**Saturday, July 15th, 2023** Venue: Centre for Management Studies (CMS)
Date of written test (PhD)	**Sunday, July 16th, 2023**
Publication of the list of eligible candidates for Interview for admission to the PhD programmes	**Thursday, July 20th, 2023** [List will be displayed on the Institute website]
Date of Interview for eligible candidates for admission to the PhD programmes	**Tuesday, July 25th, 2023** Venue: Respective Departments/Centre
Date of the declaration of the results	**By Friday, July 28th, 2023** [Results will be displayed on the Institute website]
Schedule for Counselling-cum-Admission and Course registration for M.Sc., M.Tech., MBA, and PhD	To be notified later on the Institute website

1. About the Institute

The North Eastern Regional Institute of Science and Technology (NERIST) was set up by the Government of India, initially as a project of the North Eastern Council, for providing a system of education to create technical manpower at various levels for the development of the North Eastern Region of the country. The foundation stone of the Institute was laid by late Giani Zail Singh, the then President of India, on 4th March, 1984, and the first batch of students was admitted to the Base Module in August, 1986, and subsequently, to Diploma and Degree Module. In addition to the undergraduate programmes, the Institute also offers M.Sc., M.Tech., MBA (Full-time), and PhD (both Full-time and Part-time) programmes.

The Institute attained the status of a Deemed-to-be-University under section 3 of the UGC Act, 1956, vide Notification No. F.9-15/2005-U.3, dated 31st May, 2005 by Ministry of Education (formerly, the Ministry of Human Resource Development), Govt. of India.

For detailed information about the Institute, please visit https://www.nerist.ac.in.

2. Vision and Mission of the Institute

Vision
To produce professionals with competency for pursuing excellence in Science and Technology Education, Research, and Entrepreneurship with ethical values and social sensitivity for offering specialized services to the society meeting the global requirements and standards in a multicultural environment.

Mission
1) Creating a niche in the field of science and technology education and research through an innovative modular system.
2) Producing globally competitive technical and scientific manpower in different disciplines with high ethical values, with particular reference to the North Eastern region.
3) Introducing in engineers/technologist and trainees a mind-set full of creativity to pursue excellence with focus on stakeholders, accountability, environment and people.
4) Developing collaborations with world class R&D organizations, industries and educational institutions in India and abroad for attaining excellence in teaching, research, and consultancy practices.

3. Eligibility Criteria for PG & PhD Admission

Sl. No.	PROGRAMME	ELIGIBILITY CRITERIA	REMARKS
1.	Master of Science (M.Sc.) in Forestry	4-year Bachelor of Science in Forestry with a CGPA 6.5 on a 10 point scale or 60% marks in aggregate.	
2.	Master of Science (M.Sc.) in Chemistry	B.Sc. in Chemistry with Mathematics, with 55% marks in aggregate (Pass Course) and 50% marks in Major/Honours subject.	(i) Applicants, who wish to pursue Master's programmes while in employment/service, need to submit an NoC (vide **Annexure-II**) from their respective employers stating that s/he will be relieved for the study during the period of the programme, at the time of Counselling-cum-Admission.
3.	Master of Science (M.Sc.) in Mathematics	B.Sc. in Mathematics with 55% marks in aggregate (Pass Course) and 50% marks in Major/Honours subject.	
4.	Master of Science (M.Sc.) in Physics	B.Sc. in Physics with 55% marks in aggregate (Pass Course) and 50% marks in Major/Honours subject.	(ii) Sponsoring Certificate from the employer (vide **Annexure – I**), stating that period of study will be treated as on-duty with usual salary/allowances and s/he will be relieved during the period of study and all fees will be paid by the organization (sponsor).
5.	Master of Technology (M.Tech.) (Full-time/ Sponsored/Self-sponsored)	B. Tech. or equivalent degree with a CGPA of 6.5 on a 10-point scale or 60% marks in aggregate for General Category with a valid GATE score. Candidates without a valid GATE score will also be considered, subject to the availability of seats.	(iii) Self-sponsored candidates without GATE score, wherever applicable, may also be considered subject to availability of seats.
6.	Master of Business Administration (MBA)	Bachelor's Degree in any discipline/course approved by the UGC or AICTE, with 55% marks in aggregate.	
7.	Doctor of Philosophy (PhD) (Full-time and Part-time/Sponsored)	Candidates having Master's Degree in Engineering and Technology with 60% marks in aggregate or CGPA of 6.5 on 10-point scale and 55% marks in aggregate in Sciences/ Humanities and Social Sciences/Management for the General category.	(i) Applicants, who wish to pursue PhD while in employment/service, need to submit an NoC (vide **Annexure-IV**) from their respective employers stating that s/he will be relieved for the study during the period of the programme, at

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			the time of Counselling-cum-Admission. (ii) Sponsoring Certificate from the employer (vide **Annexure – III**), stating that period of study will be treated as on-duty with usual salary/allowances and s/he will be relieved during the period of study and all fees will be paid by the organization (sponsor). Other rules and regulations will be governed by the UGC/AICTE from time to time.

A relaxation of 5% will be given to the candidates belonging to SC/ST/PwD categories.

4. Reservation

Seats for PG programmes will be reserved for the candidates belonging to SC, ST, OBC (NCL), PwD, and EWS categories as per the extant rules of the Government of India.

5. How to Apply for PG and PhD programmes

Before filling up the online application form, candidates must read the instructions given below very carefully. For any assistance, please feel free to contact our Helpline numbers: +91-8584824065/+91-6292218758, or may send an email to infonee2023@gmail.com.

I. Candidates must apply for **NEPGET 2023** in the **ONLINE** mode only by logging on to the website **www.neeonline.ac.in** or **www.nerist.ac.in**

1) Candidates must follow the instructions as they appear in the instruction panel.

2) Candidates can fill up the entire form in one session or enter one part of the information and save and complete the same at a later stage within the due dates of filling and submitting the form. Candidates are requested to carefully check all the data entered before final submission of the form. Any error may lead to the rejection of their application at any stage of time.

3) **The candidates must exercise caution while filling up the fields or selecting the options from the drop-down menu**. For example, a list of courses is mentioned along with the relevant field so that you can select the correct Course/Programme.

4) Candidates appearing in the qualifying examination in 2023 are also eligible to apply. However, they must produce mark sheets/grade cards/pass certificates on the day of counselling-cum- admission.

5) **A non-refundable and non-transferable** application fee **of Rs. 1500.00 (Fifteen Hundred) only** along with the bank transaction charges **is applicable** for all candidates, irrespective of their categories.

6) After the final submission of application form, no changes can be made by the applicant in his/ her online application.

7) **No request for any change in the application will be entertained after its submission. Application once submitted shall be final.**

II. **Guidelines for filling the Online Application Form**
   <u>Applicants are required to keep ready the following before applying</u>

1) An email ID for registration and for receiving all future correspondence till the admission process is over and subsequently, if admitted.

2) One active mobile number to receive SMS based notifications/communications related to the online application, admit card etc. till the admission process is over, and subsequently, if admitted.

3) Facility with internet connectivity.

4) A recent scanned passport sized colour photograph (for scanning and uploading in 'jpeg' format only. **The file size should be less than 100KB**).

5) Your scanned signature using Blue/Black ink on white sheet (for scanning and uploading in 'jpeg' format only. **The file size should be less than 100KB**).

6) Scanned/Soft copy of NET/GATE/CAT/MAT/SLET/M.Phil./NET Lecturer Fellowship score card/ certificate. (**Less than 100KB**)

7) Copy of ST/SC/OBC (Non-Creamy Layer)/EWS should be produced in original during counselling-cum- admission.

8) Access to an online payment facility/service such as
   - Net Banking
   - Credit card
   - ATM-cum-Debit card

III. **<u>Important Notes for all applicants</u>**

1) A printout of the submitted online application form is to be retained by the candidate. The same has to be submitted along with the self-attested copies of supporting documents and the online application fee paid receipt at the time of counselling-cum-admission, if selected.

2) Original certificates issued by the Competent Authority supporting your filled-in details will be asked from you ONLY at the time of verification of documents/counselling-cum-admission. If the data provided in the online application are not supported by appropriate documents, then your application/claim for admission shall be summarily rejected.

<u>Steps to be followed for filling the online application</u>

The entire process of filling online application form can be completed in below mentioned steps.

1) Register yourself for the online application process at **www.neeonline.ac.in** or through the institute website **https://www.nerist.ac.in**

2) Activate your online Application with the email ID and your activation Code received on your **registered email ID or mobile number.**

3) Select the Programme Type & Name and check the eligibility.

4) If the applicant confirms the eligibility criteria and continues the Programme, the next web page appears. The applicant is required to click on 'Application Details.' The application form will appear on the screen. The applicant is required to fill up the details in the application form.

5) In the next step, the applicant is required to upload scanned image file of his/her Photograph and Signature one by one [as specified in 4 & 5 in the previous section].

6) In the next step, the applicant is required to fill the Academic details.

7) In the next step, the applicant is required to choose the Document details.

8) Once all the details are filled-in, the candidate is required to review the details entered and **confirm the same**. No edit will be allowed once the application is confirmed.

9) Payment of fee is through ONLINE MODE only.

6. Departments

The Institute has eleven Academic Departments and one Centre. All the Departments have PG and PhD programmes except for the Department of Humanities and Social Sciences (HSS), which offers only PhD programme. The Centre for Management Studies offers two-year full time MBA and PhD programmes.

The details about each Department and the Centre can be accessed through the respective URLs given below:

A Departments

Sl. No.	NAME OF THE DEPARTMENT	URL OF THE DEPARTMENT
1.	Agricultural Engineering (AE)	https://www.nerist.ac.in/agriculture
2.	Civil Engineering (CE)	https://www.nerist.ac.in/civil
3.	Computer Science & Engineering (CSE)	https://www.nerist.ac.in/computer-science
4.	Electronics & Communication Engineering (ECE)	https://www.nerist.ac.in/electronics
5.	Electrical Engineering (EE)	https://www.nerist.ac.in/electrical
6.	Mechanical Engineering (ME)	https://www.nerist.ac.in/mechanical
7.	Forestry (FO)	https://www.nerist.ac.in/forestry
8.	Chemistry (CY)	https://www.nerist.ac.in/chemistry
9.	Mathematics (MA)	https://www.nerist.ac.in/mathematics
10.	Physics (PH)	https://www.nerist.ac.in/physics
11.	Humanities & Social Sciences (HSS)	https://www.nerist.ac.in/humanities

B Centre

Sl. No.	NAME OF THE CENTRE	URL OF THE DEPARTMENT
1.	Centre for Management Studies	https://www.nerist.ac.in/cms

7. Discipline for Admissions

A. Requisite Qualifications for M.Tech. programmes with specializations and number of seats.

Sl. No.	Department	Specialization	No. of Seats	Eligibility
1.	Department of Agricultural Engineering	(i) Farm Machinery & Power (FMP)	22	B.E./B. Tech./AMIE in Agricultural Engineering
		(ii) Soil and Water Conservation Engineering (SWC)	22	
2.	Department of Civil Engineering	(i) Environmental Science & Engineering (ESE)	22	B. Tech. or Equivalent degree in Civil Engineering
		(ii) Geotechnical Engineering (GTE)	22	
3.	Department of Computer Science & Engineering	(i) Computer Science & Engineering (CSE)	22	B. Tech./B.E. degree in the respective Engineering/ Technology discipline
		(ii) Information Technology (IT)	22	B.E./B.Tech. degree in IT. However, candidates with degree in Computer Science & Engineering/Electronics & Communication Engg./Electrical Engg. & Electronic Engg./Electronics & Telecommunication Engg may also apply.
4.	Department of Electronics & Communication Engineering	Communication Engineering or VLSI	22	B.E/B.Tech. in Electronics and Communication Engg./Electrical and Electronics Engg./ Electronics and Telecommunication Engg.
5.	Department of Electrical Engineering	Power System Engineering	22	B. Tech./B.E in Electrical Engineering/ Electrical and Electronic Engineering
6.	Department of Mechanical Engineering	(i) Computer Integrated Manufacturing (CIM)	22	B.Tech. or an equivalent degree in Mechanical Engineering
		(ii) Thermal & Fluid Engineering (TFE)	22	

*Subject to availability of the infrastructure of the Dept., the number of seats may vary.

B. Requisite Qualifications for M.Sc. programmes with number of seats

Sl. No.	Department	Name of the Course	No. of Seats	Eligibility
1.	Forestry	M.Sc. in Forestry	22	4 years degree course from a recognized University/Institute
2.	Chemistry	M.Sc. in Chemistry	22	B. Sc. in Chemistry with Mathematics having 55% marks in aggregate and 50% marks for Major/Honours in Chemistry.
3.	Mathematics	M.Sc. in Mathematics	22	B.Sc. with 55% in aggregate for Pass course and 50% in Honours/Major
4.	Physics	M.Sc. in Physics	22	B.Sc. with minimum 55 % marks in aggregate in Pass Course in Physics and 50% marks for Major/Honours in Physics with Mathematics as one of the subjects

*Subject to availability of the infrastructure of the Dept., the number of seats may vary.

C. MBA Programme

Sl. No.	Centre	Name of the Course	*No. of seats	Eligibility
1	Centre for Management Studies	Master of Business Administration (Full time)	38	Bachelor Degree in any discipline with 55% marks in aggregate and 50% for SC/ST category.

*Subject to availability of the infrastructure of the Centre, the number of seats may vary.

Number of seats available for M.Tech./M.Sc./ MBA Programme as per reservation criteria

Department	Discipline	Number of available seats					
		General	SC	ST	OBC	EWS	Total
Department of Agricultural Engineering	Farm Machinery & Power	9	3	1	5	4	22
	Soil and Water Conservation Engineering	9	3	1	5	4	22
Department of Civil Engineering	Environmental Science & Engineering	9	3	1	5	4	22
	Geotechnical Engineering	9	3	1	5	4	22
Department of Computer Science & Engineering	Computer Science & Engineering	9	3	1	5	4	22
	Information	9	3	1	5	4	22

Department	Program						
	Technology						
Department of Electronics & Communication Engineering	Electronics & Communication Engineering	9	3	1	5	4	22
Department of Electrical Engineering	Power System Engineering	9	3	1	5	4	22
Department of Mechanical Engineering	Computer Integrated Manufacturing	9	3	1	5	4	22
	Thermal and Fluid Engineering	9	3	1	5	4	22
Department of Forestry	Master of Science in Forestry	9	3	1	5	4	22
Department of Chemistry	Master of Science in Chemistry	9	3	1	5	4	22
Department of Mathematics	Master of Science in Mathematics	9	3	1	5	4	22
Department of Physics	Master of Science in Physics	9	3	1	5	4	22
Centre for Management Studies	Master of Business Administration	15	5	2	8	8	38

***5% of the seats are reserved for physically challenged candidates, which are not added in total number of seats, as the provision for the physically challenged candidate will be made from within the respective category.*

D. Department/Centre wise number of seats available & Specialization/Area of research for PhD admission

Sl. No.	Department	No. of seats available	Specialization/Area of Research available
1.	Agricultural Engineering	**04**	Hydrological Modelling, Water Management, Micro - Irrigation
			Ergonomics, Occupational health and safety, Farm Machinery and Power
2.	Civil Engineering	**23**	Geotechnical Engineering
			Water Resources Engineering/ Water Purification, Conservation & Management
			Building Science and Concrete Technology
			Environmental Engineering
			Earthquake Geotechnical Engineering
			Transportation & Traffic Engineering
3.	Computer Science & Engineering	30	Mobile Crowd Sensing, Cognitive Radio Networks, IoT etc.
			Wireless Networking-Opportunistic Network
			MANET, WSN, Security, System Security
			Wireless Sensor Network Information Security, Coding theory, Video processing

			Machine learning, Deep learning, Federated learning
4.	Electronics & Communication Engineering	24	Communication System, Sensor and Circuits
			Low-Voltage Low-power VLSI CMOS Analog and Mixed Signal Circuits and Systems Design
			Biomedical Signal and Image Processing
			Semiconductor Devices and VLSI Circuits, Digital Design
			Wireless Communication, Massive MIMO, Bio-Electronic
			Semiconductor device, design, development and modelling. GaN and SiC based device. VLSI Technology
5.	Electrical Engineering	16	Control Systems, Missile Technology, Illumination Engineering
			Microprocessor Control & Instrumentation, Power System Reliability
			Electrical Machines and Drives, Distributed Power Resources, Power & Energy
			Power Electronics, Drives & Control, Power system, & High Voltage Technology
			Power System Stability, Renewable Energy and Distributed Generation
6.	Mechanical Engineering	71	Heat Transfer and Fluid Mechanics, Mechanical Vibration, Robotics, CAD/CAM
			Alternate fuels for Internal Combustion Engines, Energy Studies.
			Conventional/Non-conventional machining of hard/ composite materials, Soft computing applications, welding/additive manufacturing & CAM.
			Operation research, Manufacturing Science and Technology
			Machine Design and Tribology, Rotor dynamics, Industrial Engineering, Industrial Materials and Metallurgy.
			IC Engines and Biomass energy studies; Soft Computing, Modeling and Optimization of Machining Processes.
7.	Forestry	6	Wild Life Diversity, Ecology & Conservation and Animal Behaviour
			Ethnobotany and Agroforestry
			Wood Science & Technology, Forest Products & their utilization
8.	Chemistry	4	Inorganic Chemistry
9.	Mathematics	NIL	NA
10.	Physics	NIL	NA
11.	Humanities & Social Sciences	2	Communication Theory and New Media

12.	Centre for Management Studies	1	Marketing, Human Resource Management

8. Selection Procedure

Institute shall admit PG/PhD students through an Entrance Test. The selection procedure is as follows:

P.G.

1) A candidate with valid GATE score will be exempted from entrance examination for admission in M.Tech./M.Sc. programmes.

2) Written Test shall be conducted for the candidates who do not have valid GATE/CAT/MAT score for admission in M.Tech./M.Sc./MBA

3) There shall be 100 questions of one mark each in the written test.

4) There will be 25% negative marking for each incorrect answer.

The candidates for MBA will have to appear in the written test and group discussion/personal interview, which will be conducted in the Centre for Management Studies (CMS), subject to the following conditions:

a) Weightage for the written test and group discussion/personal interview will be 75% and 25%, respectively.

b) Only the CAT/MAT qualified candidates will be exempted from the written test.

c) Candidates having a valid CAT score will be given full weightage of allotted written test marks, while for those candidates having a valid MAT score will be given 80 marks (80% weightage).

d) If a candidate with a valid MAT Score wants to appear in written test, the candidate will be allowed to appear in the examination. In this case, the written test score of the candidate will be considered in place of the MAT score.

e) The list of provisionally selected candidates will be made on the basis of total marks.

PhD

1) A candidate with valid GATE score/NET including JRF (UGC/CSIR/ICAR)/SLET/Lecturer fellowship and M.Phil. will be exempted from entrance examination for admission in PhD However, they have to mandatorily appear in the interview conducted by the respective Departments/Centre.

2) The written examination shall be conducted for all those candidates who are not exempted from the written test.

3) There will be a single question paper for each Department/Centre with 100 multiple-choice questions of one mark each. There will be two sections in the question paper. **The Section-A will be of 50 marks from Research Methodology, which is common for all the Engineering, Sciences, Humanities & Social Sciences Departments; and the Centre for Management Studies. The questions in Section-B will be from the respective Departments/Centre for 50 marks**. For the syllabi of PhD entrance test, please refer to **Annexure – VI.**

4) The cut-off to qualify the written test will be 50 marks including both the sections A and B. A relaxation of 5% marks will be allowed in the entrance examination for the candidates belonging to SC/ST/OBC (NCL)/Differently-abled/EWS categories.

5) **The selection will be based on a weightage of 70% for the written test and 30% for the performance in the interview.**

6) Interview will be conducted by the respective Departments/Centre considering the following aspects:

   a) The candidate possesses the competence for the proposed research work.

   b) The research area can be suitably undertaken at the institute level.

   c) The proposed area of research can contribute to new/additional knowledge.

Candidates are required to download the Admit Card from the website and no separate letter will be sent for the written test and interview.

The selected list of the candidates will be displayed on the Institute website (**https://www.nerist.ac.in**).

Any telephonic query in this regard may be made at the following numbers of NERIST EPBX: (0360) 2257401 to 11 Extn: 6436/6036/6008; Fax No. (0360) 2258533/2257470.

9. Admission Procedure for PG and PhD

1) The selected and wait listed candidates will be required to report to the Academic Section of the Institute on the specified date for counselling-cum-admission and registration.

2) The dates & time of **counselling-cum-admission and course registration of selected and waitlisted candidates of PG and PhD shall be notified in due course of time.**

3) Candidates must produce the relevant certificates and mark sheets of all examinations in original for verification at the time of counselling-cum-admission.

4) Admission will be allowed subject to production of medical fitness certificate and verification of all certificates and mark sheets.

5) If the result of the qualifying examinations of the selected candidate is not declared before admission, s/he may be allowed for provisional admission, provided that the candidate submits examination completion certificate from the Principal/Head of the Institution and admit card of the said examination.

6) A candidate has to give an undertaking in the prescribed format for submission of the requisite documents by **October 6th, 2023** failing which his/her registration will be cancelled.

Important Note: Any deviation from the stated documentary proof for the chosen reservation code mentioned in his/her application shall lead to rejection of his/her candidature. Proof of eligibility against a reservation code, other than All India General category candidates, must be produced at the time of counselling/admission.

10. Fee Structure

Selected candidates have to pay the prescribed fee through online mode at the time of admission. The fee structure may be revised by the Institute from time to time. The tentative fee structure of PG and Ph.D. Programmes for the year 2023-24 is given below. However, for a detailed break-up of the same, the applicant may refer to the Academics tab on the Institute website.

Module		1st year 1st Semester		2nd Semester onward	
		GEN/OBC	SC/ST/PWD/ NERISTIANS	GEN/OBC	SC/ST/PWD/ NERISTIANS
MBA		Rs.35740/-	Rs.26870/-	Rs.21820/-	Rs.12950/-
M.Sc.		Rs20520/-	Rs.18410/-	Rs.8520/-	Rs.6310/-
M. Tech.		Rs.23320/-	Rs.20660/-	Rs.9410/-	Rs.6750/-
PhD	Full Time	Rs.27900/-	Rs.25240/-	Rs.8580/-	Rs.5920/-
	Part Time	Rs.23670/-	Rs.21010/-	Rs.6230/-	Rs.3570/-
Tentative Hostel Fee for 1st year 1st Semester (For all Categories)				Mess Advance: Rs. 16610/- Mess Caution Fee: Rs. 3000/-	

11. Anti-Ragging Undertaking mandatory for all students

Ragging is banned in the Institute. Anyone, who is found indulging in ragging, directly or indirectly, during the entire period of his/her study, will be punished as per the Institute rules.

Further, students must fill the Anti-ragging Undertaking on either of the following websites **www.amanmovement.org** or **www.antiragging.in** and the **hard copy of the Undertaking, as received by email, should be submitted to the Institute at the time of admission and also at the time of semester registration during July every year.**

12. Scholarship for PG/PhD students

PG students

The GATE qualified candidates admitted in M.Tech. programme (AICTE approved courses) are eligible for scholarship as per the AICTE norms, and shall be required to apply to the AICTE portal after admission as and when the notification in this regard issued by AICTE.

In case any student leaving the course midway, s/he is required to refund the entire amount of PG scholarship drawn at the time of leaving the course midway, as per the extant guidelines of AICTE supported PG Scholarship Scheme.

Institute may assign 8-10 hours of teaching load to every second year student receiving PG GATE Fellowship. The PG students can also avail the scholarship facilities from the respective states.
The various scholarship schemes are also available to the students under National Scholarship Portal (NSP).

A student must attend at least 75% of classes in each course in which s/he has registered, failing which the scholarship/stipend may be terminated. No Students can avail multiple scholarships/stipends from any other sources.

PhD students

The Institute provides a limited number of fellowships for full-time PhD scholars who have qualified GATE/NET according to Institute regulations, and the Institute's decision on this matter will be

considered final. However, PhD candidates may also apply for several other fellowships, including NFST, INSPIRE, UGC-NET JRF, CSIR-NET JRF, based on their eligibility.

13. Leave for M.Tech. and PhD (Full Time)

Grant of leave during the M.Tech. and PhD programme is subject to the provisions of the Academic Bye-Laws (Master and PhD Programmes) and other regulations as amended from time to time.

14. Hostel facility
Hostel accommodation to the students of Post Graduate and PhD Programmes (FT) will be provided in the institute subject to the availability of seats in the hostel.

15. Ban on Picnic

Due to the regrettable incidents in the past wherein students lost their lives during river-side picnics, the Institute has imposed a complete ban on picnics organised by the students. This decision is taken to ensure the safety and well-being of the students.

Format of sponsorship certificate for PG (M.Sc., M.Tech. & MBA) program for employed persons
(This should be typed on the letter head of the sponsoring Organization)

Reference No. _____
Date: _____

To

        The Director
        NERIST
        Nirjuli – 791 109
        Arunachal Pradesh

Sub: Sponsoring an Employee for M.Sc./MBA/M.Tech. Programme

Sir/Madam,

    Mr./Mrs./Ms. _____Designation _____who is an

employee in our organization, is hereby sponsored for pursuing M.Sc./MBA/M.Tech. Programme in

_____at your Institution as full-time student.

    In the event of his/her selection for admission to the programme, s/he shall be relieved of his/her

duties in organization for period of two years from. _____to_____.

  Date: Signature:
  Place: Name:
                                                   Designation:

Seal and Signature of sponsoring authority.

Format of No Objection Certificate for Post graduate programme for employed persons
(This should be typed on the letter head of the sponsoring organization)

Reference No. _____
Date: _____

To

       The Director
       NERIST
       Nirjuli – 791 109
       Arunachal Pradesh

Sub: No Objection Certificate

Sir/Madam,
      Mr./ Mrs./Ms. _____ Designation_____
an employee in our organization, is seeking admission to Post graduate programme
in_____ at your Institute.

      In the event of his/her selection for admission to the programme, s/he will be granted leave
of absence for a minimum period of two or three years from_____
to_____.

Date: Signature:
Place: Name:
                                           Designation:

Seal and Signature of sponsoring authority.

Format of Sponsorship Certificate for PhD program for employed persons
(This should be typed on the letter head of the sponsoring organization)

Reference No. _____
Date: _____

To

        The Director
        NERIST
        Nirjuli – 791 109
        Arunachal Pradesh

Sub: Sponsorship Certificate.

Sir/Madam,

    Mr./Ms. _____ who has been working in this organization as _____is hereby sponsored for admission into the PhD programme at NERIST, from the session starting on _____ as a full time student.

    The employee will be relieved from his/her duties in the organization to join the PhD programme of NERIST.

Date: Signature:
Place: Name:
                                              Designation:

Seal and Signature of sponsoring authority.

**Format of No-Objection Certificate for PhD (Full Time/Part time) program for employed persons
(This should be typed on the letter head of the sponsoring organization)**

Reference No. _____
Date: _____

To

       The Director
       NERIST
       Nirjuli – 791 109
       Arunachal Pradesh

Sub: No objection certificate

Sir/Madam,

 It is hereby certified that Mr./Ms._____ has been working in this organization as _____.

     This organization has no objection to his/her being admitted to the PhD programme at NERIST, Nirjuli, from the session starting from _____ as a Full Time/Part Time student.

  Date: Signature:
  Place: Name:
                                        Designation:

Seal and Signature of sponsoring authority.

Format for No-Objection Certificate from Principal Investigator for project fellows
(This should be typed on the letter head of the sponsoring organization)

Reference No. _____
Date: _____

To

        The Director
        NERIST
        Nirjuli – 791 109
        Arunachal Pradesh

Sub: No objection certificate.

Sir/Madam,

      Certified that Mr./Ms._____, is working as a _____ in the project (title of the Project) _____ in the Department/Centre _____ funded by _____ since_____. I have no objection in allowing him/her to join the PhD programme at NERIST under the category of project staff.

      Further, he/she will be allowed to carry out his/her course work/research work of the PhD programme without hampering the project work.

Date: Signature:
Place: Name:
                                                Designation:

Seal and Signature of sponsoring authority.

SYLLABI FOR PhD ENRANCE TEST

SECTION A: RESEARCH METHODOLOGY *(For all subjects under Science/Engineering/Humanities/Social Sciences/Management)*	
Unit-I	Research problem; Research objectives; Research methods, Types of research: Descriptive, Analytical, Applied, Fundamental, Quantitative, Qualitative, Conceptual and Empirical.
Unit-II	Literature review: primary, secondary, e-resources, database sources; Formulation of Hypotheses; Defining and formulating the research problems.
Unit-III	Research design and methods: Randomize block design, Complete randomize design and Latin squire design; Developing a research plan; Determining experimental and sample designs; Sampling error.
Unit-IV	Data Collection and analysis; Data Analysis with Statistical Packages - Hypothesis-testing - Generalization and Interpretation; Computer Processing.
Unit-V	Statistical Analysis: Introduction to Statistics – Probability Theories – Conditional Probability, Poisson Distribution, Binomial Distribution and Properties of Normal Distributions – Hypothesis Tests – One Sample Test – Two Sample Tests/Chi-Square Test, Association of Attributes - Standard Deviation – Co-Efficient of Variations. Statistical Applications – Correlation and Regression Analysis – Analysis of Variance – Partial and Multiple Correlation.
Unit-VI	Reporting and thesis writing; Types of report; Report writing; Bibliography; Referencing; Presentation; Importance of effective communication; Copy right; Intellectual Property Right and Patent Law; Plagiarism.
SECTION B: (Syllabus of National Level Tests like GATE/NET/CAT/MAT etc. for their respective branch subjects)	

NORTH EASTERN REGIONAL INSTITUTE OF SCIENCE & TECHNOLOGY
[Deemed-to-be-University, under Section 3 of the UGC Act, 1956]
[Under Ministry of Education, Govt. of India, New Delhi]
Nirjuli – 791109
Arunachal Pradesh.