



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला

National Institute of Technology Rourkela

No. NITR/AC/UG&PG/2024/M/1813

Date: 24.07.2024

Notice for Admission to M. Tech Programmes against Vacant Seats after Admission through CCMT - 2024

It is apprehended that there will be vacancy in some of the M.Tech. programmes offered by NIT Rourkela after admission through CCMT-2024. Therefore, the Institute has decided to fill up those vacant seats under **Self-financing Mode** (GATE/Non-GATE) under various departments as given in **Table – 1**. The details of the vacancy position will be uploaded in the website on **14th August 2024**

Accordingly, **online applications** are invited from interested and eligible Indian citizens for admission to different M.Tech. programmes offered by the above mentioned departments against the vacant seats after admission through CCMT-2024 under Self-financing Mode for Academic Year 2024-25.

Eligibility:

The candidates should have B. E. /B. Tech/M. Sc. or equivalent degree in the discipline as mentioned in **Table 1**. In qualifying degree, the candidates should have passed and secured at least 6.5 CGPA (on a 10- point scale) or 60% for GEN/GEN-EWS/OBC, whereas 6.0 CGPA (on a 10-point scale) or 55% in case of SC/ST/PwD candidates. The above mentioned CGPA/Percentage should be awarded by a recognized University/Institute. Conversion from CGPA to percentage or vice-versa given by individual Institute/University will be not be considered. If the evaluation system is in CGPA, CGPA value will be considered and if the evaluation system is in marks, percentage value will be considered.

Table - 1

Sl. No.	Name of Department	Specialization	Qualifying Degree Eligibility
1.	Biotechnology and Medical Engineering	Biotechnology	B. Tech./BE in Biotechnology OR M.Sc.(if required) OR M.C.A(if required)
		Biomedical Engg.	B.Tech./BE in Any Branch of Engineering/ MBBS/ BDS/ B. Pharm. OR M.Sc.(if required) OR M.C.A(if required)
2.	Civil Engineering	Geotechnical Engineering	B. Tech/BE/B.Sc. Eng in: Civil Engg., and Civil Technology.
		Structural Engineering	B.Tech/BE/B.Sc. Engg. in: Construction Engineering, Construction Technology, Structural Engineering, Applied

			Mechanics, Civil Engineering & Planning, Civil Technology
		Transportation Engineering	B. Tech. / BE / B.Sc. Engg, in: Transportation Engineering, Civil & Transportation Engineering, Civil & Transportation Technology, Highway Engineering, Civil Engineering & Planning, Civil Technology
		Water Resource Engineering	B.Tech/BE/B.Sc. Engg in: Civil, Agricultural Engineering, Mechanical Engineering, Chemical Engineering, Civil Environmental Engineering, Irrigation Engineering, Water Management, Applied Mechanics, Civil Technology
		Environmental Engineering	B.Tech/BE/B.Sc. Engg in: Civil Engg. Chemical Engineering, Civil Environmental Engineering, Water Management, Civil Technology, Biotechnology.
3.	Computer Science and Engineering	Information Security(IS)	MCA, MSc. In: Computer Applications, Computer Science, Information Technology, Software Engineering, Information Sciences, Data Science Artificial Intelligence and Machine Learning
		Software Engineering-(SE)	BE/B. Tech in: Computer Engineering, Computer Science, Computer Science and Engineering, Computer Science and Information Technology, Computer Technology, Information Technology, Computer and Communication Engineering, Computer Engineering and Application, Computer Networking, Computer Science and Systems Engineering, Computer Science and Technology, Electronics and Computer Engineering, Information and Communication Technology, Information Engineering, Information Science, Information Science and Engineering, Software Engineering, Electrical and Computer Engineering, Information Science and Technology, Information Technology and Engineering, Information Technology and Mathematical Innovations, Artificial Intelligence (AI) and Data Science, Artificial Intelligence and Machine Learning, Computer Science and Applied Mathematics, Computer Science and Biosciences, Computer Science and Design, Computer Science and Business Systems, Computer Science and Engineering (Cyber Security, Computer Science and Engineering (Artificial Intelligence),
		Computer Science	

			<p>Computer Science and Engineering (Artificial Intelligence and Machine Learning), Computer Science and Engineering (Data Science), Computer Science and Engineering (Internet of Things and Cyber Security Including Block Chain Technology), Computer Science and Engineering (IoT), Computer Science and Engineering (Networks),</p> <p>Computer Science and Engineering and Business Systems, Computer Science and Medical Engineering, Computer Science and Social Sciences, Cyber Physical Systems, Electronics and Computer Science, Robotics and Artificial Intelligence, Computer Engineering (Software Engineering)</p>
4.	Chemical Engineering	Chemical Engineering	<p>B.Tech./BE in: Chemical, Biotechnology, Environmental, Materials and Metallurgical Engg. OR M.Sc. in (if required) Environmental science with Mathematics knowledge of Class-12 level</p>
		Energy Environmental Engineering and	<p>B.Tech./BE in any branch of Engineering, OR M.Sc. in (Delete it if not required) Physics / Chemistry / Mathematics/ Environmental science with Mathematics knowledge of Class-12 level</p>
5.	Ceramic Engineering	INDUSTRIAL CERAMICS	<p>B.E./B.Tech. in: Cement and Ceramic Technology/ Ceramic Engineering/ Chemical Engineering/ Industrial Metallurgy/ Mechanical Engineering/ Metallurgical and Materials Engineering/ Metallurgical Engineering/ Materials Engineering/ Nanotechnology/ Nanoscience and Nanotechnology/ Civil Engineering/Electrical Engineering/Electronics Engineering/Biomedical Engineering/Biotechnology Ceramic Technology/ Ceramic and Glass Technology OR M.Sc. in Materials Science/ Physics/ Applied Physics/ Engineering Physics/ Chemistry/Applied Chemistry/ Analytical Chemistry/ Physical Chemistry/ Applied Electronics</p>
6.	Electronics and Communication Engg.	Communication Networks (CN) and	<p>B.Tech./BE in: Electronics and Comm. Engg.(ECE), Electronics and Inst. Engg.(EI), Electronics and Electrical. Engg. (EEE), Electrical Engg. (EE), Electronics and Tele-Comm. Engg. (ETC), Applied Instrumentation (AI) Engg. with or without Gate score (preferably with gate score)</p>

		Electronics and Instrumentation Engineering (EI)	B.Tech./BE in: Electronics and Comm. Engg.(ECE), Electronics and Inst. Engg.(EI), Electronics and Electrical. Engg. (EEE), Electrical Engg. (EE), Electronics and Tele-Comm. Engg. (ETC), Applied Instrumentation (AI) Engg. with or without Gate score (preferably with gate score)
		RF and Microwave systems	B.Tech./BE in: Electronics and Comm. Engg.(ECE), Electronics and Inst. Engg.(EI), Electronics and Electrical. Engg. (EEE), Electrical Engg. (EE), Electronics and Tele-Comm. Engg. (ETC), Applied Instrumentation (AI) Engg. with or without Gate score (preferably with gate score)
		Signal and Image Processing (SIP)	B.Tech./BE in: Electronics and Comm. Engg.(ECE), Electronics and Inst. Engg.(EI), Electronics and Electrical. Engg. (EEE), Electrical Engg. (EE), Electronics and Tele-Comm. Engg. (ETC), Applied Instrumentation (AI) Engg. with or without Gate score (preferably with gate score)
7.	Electrical Engineering	Electronic System & Communication Control & Automation Power Electronics & Drives Power system Engineering	B. Tech. / B. E. / B. Sc. Engineering in: Electrical Engineering, Electrical and Electronics Engineering, Electronics and Communication Engineering, Electronics and Telecommunications Engineering, Control Engineering or any combination of it, Energy Engineering, Instrumentation Engineering or any combination of it, Power Engineering or any combination of it.
8.	Earth and Atmospheric Sciences	Atmosphere and Ocean Science	B.Tech. /BE in Computer Science/ Mechanical/ Geoinformatics/ Geomatics/ Electronics and Communications/ Civil/ Environmental/ Aerospace/ Chemical/ Data Science/ Engg. Physics/ Equivalent degrees OR M.Sc. in Physics/ Applied Physics/ Mathematics/ Applied Mathematics/ Statistics/ Atmospheric Science / Meteorology/ Oceanography/ Climate Science/ Earth Science/ Geology/ Applied Geology/ Geophysics/ Environmental Science/ Computer Science/ Remote Sensing and GIS/ Equivalent Discipline OR M.C.A
9.	Food Process Engineering-(FP)	Food Process Engineering-(FP)	B.Tech./B.E. in: Agriculture Engineering, Agricultural and Food Engineering, Dairy Technology, Food Engineering, Food Processing and Preservation, Food Process Engineering, Food Process Technology, Food Technology, Food Technology and Biochemical Engineering, Food Engineering and Technology, Food Technology and Management, Dairy Engineering, Agriculture Engineering, Agricultural and Food Engineering,

			Dairy Technology, Food Engineering, Food Processing and Preservation, Food Process Engineering, Food Process Technology, Food Technology, Food Technology and Biochemical Engineering, Food Engineering and Technology, Food Technology and Management, Dairy Engineering, Agriculture Engineering, Agricultural and Food Engineering, Dairy Technology, Food Engineering, Food Processing and Preservation, Food Process Engineering, Food Process Technology, Food Technology, Food Technology and Biochemical Engineering, Food Engineering and Technology, Food Technology and Management, Dairy Engineering.
10.	Industrial Design-(ID)	Industrial Engineering Design	B.E. / B. Tech./ B. Des. In: Any discipline
11.	Mechanical Engineering	Mechanical Systems Design & Control	B.E./B.Tech. in : Aeronautical Engineering, Aerospace Engineering, Mechanical Engineering, Mechatronics, Mechanical with specialization in Automotive Engineering, Architectural Engineering, Architecture, Automobile Engineering, Advanced Manufacturing and Mechanical Systems Design, Automation and Robotics, Nanotechnology and Robotics, Naval Architecture, Robotics and Automation, Shipbuilding Engineering, Mechanical Engineering (Design and Manufacturing), Industrial Design, Naval Architecture and Ship Building Engineering, Robotics and Artificial Intelligence, Mechanical Engineering Design.
		Manufacturing and Automation Engineering	B.E./B.Tech. in : Aeronautical Engineering, Aerospace Engineering, Metallurgy and Materials Engineering, Industrial Manufacturing Engineering, Industrial and Production Engineering, Industrial Engineering, Industrial Engineering and Management, Industrial Metallurgy, Manufacturing Engineering, Material Science and Engineering, Mechanical Engineering, Mechatronics, Metallurgical and Materials Engineering, Metallurgical and Materials Technology, Metallurgical Engineering, Metallurgical Engineering and Material Science, Metallurgy, Production and Industrial Engineering, Production Engineering, Production Engineering and Management, Automation and Robotics, Machine Engineering, Machine Tools Engineering, Manufacturing Process, Manufacturing Science and Engineering, Material Science and Metallurgical Engineering, Materials and Metallurgical Engineering , Mechanical and Automation Engineering, Mechanical Engineering Automobile, Robotics and Automation, Tool Engineering, Manufacturing Engineering and Automation, Manufacturing Process and

			Automation Engineering, Manufacturing Technology, Material Science and Technology, Mechanical Engineering (Design and Manufacturing), Mechanical Engineering (Repair and Maintenance), Metallurgy and Material Technology, Industrial Production, Mechanical Engineering (Manufacturing Engineering), Metallurgy and Materials, Mechanical Engineering (Welding Technology), Production and Management, Industrial Design, Mechanical Engineering (Smart Manufacturing), Mechanical Stream – Production Engineering, Additive Manufacturing, Advanced Mechatronics and industrial Automation, Mechanical and Mechatronics Engineering (Additive Manufacturing), Mechanical Engineering (Industry Integrated), Manufacturing Engineering and Technology, Mechanical and Smart Manufacturing, Mechanical Engineering (Production), Mechanical Engineering Design.
		Thermal Science and Energy Engineering	B.E./B.Tech. in : Aeronautical Engineering, Aerospace Engineering, Automobile Engineering, Chemical Engineering, Energy Engineering, Mechanical Engineering, Nuclear Engineering, Petrochemical Engineering, Renewable Energy, Chemical Technology , Energy Science and Engineering, Nuclear Science and Technology, Mechanical with specialization in Automotive Engineering, Chemical and Biochemical Engineering.
		Industrial Refrigeration and Cryogenics Engineering	B.E./B.Tech. in : Aeronautical Engineering, Aerospace Engineering, Energy Engineering, Mechanical Engineering, Nuclear Engineering, Petrochemical Engineering, Renewable Energy, Chemical Technology , Energy Science and Engineering, Nuclear Science and Technology, Mechanical with specialization in Automotive Engineering, Chemical and Biochemical Engineering.
12.	Metallurgical Materials Engineering &	Metallurgical Materials Engg. &	B.Tech./BE in: Mechanical Engg./Production Engg./Chemical Engg. /Ceramic Engg./Mining Engg./Metallurgical Engg./Metallurgical & Materials Engg./Materials Engg./Similar Branch of Engg. OR M.Sc. in: Physics/Chemistry/Solid State Physics/Materials Science/Similar Disciplines
13.	Mining Engineering	Mining Engineering	B.E./B. Tech in: Mining Engineering/Mineral Processing/Mining Machinery/Environmental Science and

			Engineering/ Informatics/Information Engineering/ Mechanical Engineering/Electrical Engineering/ Electronics and Communication Engineering/ Production Engineering/Industrial Engineering/ Chemical Engineering. Any other related branch in the above mentioned disciplines are also eligible. OR M.Sc. in: Geology/Geophysics/Earth Science/ Environmental Science/Chemistry. Any other related branch in the above mentioned disciplines are also eligible.
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In addition to the above minimum eligibility, the candidates must fulfil the special eligibility conditions as mentioned under Table 2. The candidate has to check these conditions and he/she will be responsible for satisfying these conditions, failing which his/her candidature shall be rejected.

Table 2

1. B. Tech/ M. Sc/ MCA results declared with 60% marks/6.5 CGPA obtained for graduated students.SC/ST/PWD students must have 55% marks or 6.0 CGPA.
2. B. Tech/ M. Sc/ MCA results declared with NO backlog papers and 60% marks/6.5 CGPA (SC/ST/PWD students must have 55% marks or 6.0 CGPA) obtained till pre-final semester provided all exams should have been completed by 15th July 2024 for graduating students with a certificate to that effect and marksheet/grade card till pre-final semester.
3. Mathematics at 10+2 level is mandatory for all courses; to be especially to be noted by students with B-Tech in Bio-Technology and Mining Engineering who may not have mathematics at 10+2 level and hence are not eligible for any course at NIT Rourkela.
4. Candidates with Science background should have Mathematics at both +2 and +3 Examination

The candidates appearing B.E. / B.Tech / M.Sc. (final semester) examination may also apply for the above programmes. However, they have to produce their mark/grade sheet showing 60% marks or CGPA 6.5 in aggregate latest by **30th September 2024**, failing which their admission will stand cancelled. Such students, at the time of admission, must produce a certificate signed by the Principal or Registrar of the College/Institute last attended stating that all examinations including practical necessary for award of the degree have been completed in order to be eligible for admission in the prescribed format given in the **Annexure-I**.

Selection Method:

Selection will be made on the basis of marks/CGPA secured in the qualifying degree and a written and/or oral examination to be conducted by the concerned department. Therefore, merely submitting application or attending test and/or interview will not guarantee admission. Selection Criteria may be different for different departments.

Equivalent Degree / Specialization / Discipline:

In the case of applicants not having exact Degree / Specialization / Discipline as mentioned above, but claim to have an equivalent Degree / Specialization / Discipline, onus of proving equivalency shall lie with the concerned applicant(s) by submitting applicable notifications issued by any Government controlling/regulatory body like MoE, UGC, AICTE, etc. Any notification and/or certification from the Institute/University/College of the applicants will not be acceptable. However, decision of the Institute shall be final and binding in this matter.

Special Notes:

- a) All educational qualifications must be from Govt. recognized Board/University/Institute only. In case of any doubt raised by the Institute, onus of proving validity of the qualification shall lie with the concerned applicant. However, decision of the Institute shall be final in this regard.
- b) In qualifying degree, the candidates should have passed and secured at least 6.5 CGPA (on a 10-point scale) or 60% for GEN/GEN-EWS/OBC, whereas 6.0 CGPA (on a 10-point scale) or 55% in case of SC/ST/PwD candidates. The above mentioned CGPA/Percentage should be awarded by a recognized University/Institute.
- c) Only primary mode of evaluation (CGPA or percentage) as mentioned in the qualifying degree certificate/mark sheet shall be considered while verifying eligibility. In case both CGPA and percentage are mentioned, then only CGPA would be considered.
- d) Conversion from CGPA to percentage or vice versa given by an individual Institute/university will not be allowed.
- e) If CGPA is on a different scale than the 10-point scale, then it would be linearly mapped to a 10-point scale.
- f) In case, the result of qualifying degree is awaited, provisional admission is permitted to a candidate subject to meeting above minimum qualifying degree requirements latest by September 30, 2024. In these cases, all exams should have been completed by August 15, 2024. A certificate from the head of the current institute (As per Annexure – I) to that effect should be submitted during document verification.
- g) Certificate of category (SC/ST/OBC-NCL/EWS), if applicable, as per Government of India format, must be, issued by the competent authority. **In case of OBC-NCL/ EWS category, the certificate must be issued on or after April 01, 2024. Please note that** Caste certificate (SC/ST/OBC-NCL) issued by Maharashtra State must be validated by Social Welfare department (in case of SC and OBC-NCL category) and Tribal Welfare department (in case of ST category) of Maharashtra Government. The SC/ST/OBC-NCL candidates of Maharashtra State have to produce their caste validity certificate in the format available on CCMT website. ST certificates from Tamil Nadu state must be issued by the concerned Revenue Divisional Officer.
- h) Certificate for Persons with Disabilities (PwD), if applicable, issued by the competent authority as per GOI guideline.
- i) Where regular mode of education is available for any Degree/Qualification, then

Degree/Qualification obtained through any modes other than regular mode, i.e. Distance Learning, Correspondence Course, etc. will NOT be considered for the purpose of admission.

- j) The candidates admitted under the Self-financing scheme will not be eligible for any financial assistance even though s/he is GATE qualified.
- k) NIT, Rourkela is a fully residential Institute and permission to stay outside is granted only in rare cases. Permission from Dean (Academic) needs to be obtained for the purpose of staying outside a hostel. Dean (Academic) should be convinced about the genuineness of the need as well as about the facility available for pursuing studies in the alternative accommodation. Permission to stay outside the hostel may be granted after a student has been admitted to a hall and paid all starting dues. Students permitted to stay outside will not be allotted a room, nor will they be required to pay mess dues in future. Their mess advance will be refunded after adjustment of dues if any (e.g. establishment fee, special functions etc.). It may be noted that such students need to pay hostel seat rent, establishment fee and fees for special functions every semester till completion of their programme.

Fee Structure:

The fee structure for the entire course of study of M. Tech Programme is as follows:

S. No	Fee	1 st semester (Amount in Rs.)	2 nd semester (Amount in Rs.)
1	Admission fee(one time)	2500	0
2	Tuition fee*(Exempted for SC/ST Students)	60000	60000
3	Other fees**	3000	3000
4	Student activity fee	2000	2000
5	Medical fee	2000	2000
6	Hostel seat rent	5000	5000
7	Caution money(one time Refundable)	10000	0
8	Institute Emergency Fund (onetime fee- to be directly deposited into corpus fund at the time of admission)	5000	0
9	Hall establishment fee	5000	5000
10	Mess advance ***	30000	30000
Total:		1,24,500	1,07,000
S. No	Fee	3 rd semester (Amount in Rs.)	4 th semester (Amount in Rs.)
1	Tuition fee*(Exempted for SC/ST Students)	60000	60000
2	Other fees **	3000	3000
3	Student Activity fee	2000	2000
4	Medical fee	2000	2000
6	Hostel seat Rent	5000	5000
7	Souvenir fee in pre-final year	500	0
8	Hall establishment fee	5000	5000
9	Mess advance ***	30000	30000
10	Convocation Fee in pre final year	2500	0

Total:	1,10,000	1,07,000
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***For SC/ST students Tuition fee is completely exempted.**

****Other fees include Exam fee, Library fee, Electricity fee etc.**

*****Amount mentioned against mess advance is an approximate amount.**

Refund of Fee

If a student withdraws/leaves himself/herself from the Institute after admission without completing the entire program, all fees paid including the caution money deposit will be forfeited by the institute. Mess advance may be refunded after deduction of dues, if any. This clause is applicable even before formal registration to the 1st semester and/or starting of classes.

Application Fee and How to Apply:

Interested candidates satisfying the eligibility criteria are required to submit their **online application** at <http://eapplication.nitrkl.ac.in>. The applicants are advised to:

- Read this advertisement and the instructions to fill up the online application form given in the online portal carefully.
- Please pay the Application Fee of Rs.500/- (non-refundable) through SBI Collect only between **14th Aug 2024 to 19th Aug 2024**. No other mode of payment is acceptable. The applicant has to search
SBI COLLECT ODISHA → EDUCATIONAL INSTITUTION → DIRECTOR NIT ROURKELA → APPLICATION FEE FOR M TECH (SELF SPONSORED) PROGRAMME.
- After making successful payment of application fee, download the e-receipt from SBI Collect website and/or note down the SB Collect Reference Number. Application fee once paid shall not be refunded under any circumstances.
- Fill up the online application form at <http://eapplication.nitrkl.ac.in> with desired information and enter the SB Collect Reference Number in the “Update Application Fee Details” link given at homepage of <http://eapplication.nitrkl.ac.in> and **SUBMIT** the application.

Applicants are **NOT** required to send hard copy of the application form or any other document(s) to NIT Rourkela. Entries made in the Application Form will be accepted provisionally for selection purpose. Applicants who will be selected for admission will be required to submit a set of photo copies of all educational mark sheets, certificates and all originals for verification at the time of admission. Admission will stand cancelled if any disqualification is detected at the time of admission or at any stage after admission also.

Tentative Schedule for Application and Admission:

Sl. No.	Event	Tentative Date
1.	Application form will be available in the Institute website for online submission	14 th August 2024
2.	Tentative vacancy list	14 th August 2024

2.	Closing date of online application	20 th August 2024
3.	Intimation of results by respective HODs to the candidates	22 nd August 2024
4.	Test and/ Interview (through online mode; to be communicated by the HODs to the candidates)	27 th August 2024
5.	Publication of selected candidates list in the Institute website	28 th August 2024
6.	Admission	29 th August 2024
7.	Registration for the 1st semester	30 th August 2024
8.	Starting of Classes	30 th August 2024

Applicants are required to visit the “Notice Board” section in the “Home Page” of the Institute website(www.nitrkl.ac.in) regularly for updates and further notifications. No postal intimation will be sent to the selected candidates.

How to Reach the Institute

Rourkela is located in the Howrah-Mumbai main Train route. Train connections are also available from Bhubaneswar and Ranchi. Night AC/Non-AC bus services are available from all major cities of Odisha(Bhubaneswar/Berhampur/Balasore, etc.). The Institute is located around 8 km. away from the Railway Station and 2 km away from Sector-3 Bus Stop. Usual rate of auto fare at present is Rs.160/- and Rs. 100/-, respectively. App based taxi services are also available from the Railway Station to the campus.

Contact Us

Applicants may contact at the following details for any query and/or further information relating to application, selection and admission to the M. Tech Programme:

Email : admission@nitrkl.ac.in

Telephone : +91 661 2464060 (during office hours 16.00 hrs to 18.00 hrs only)

Sd/-
Asst. Registrar (Academic)
NIT Rourkela

Annexure-I

Undertaking to be produced by the candidates at the time of admission

Undertaking

I, Mr./Ms. _____, Roll No. _____ hereby undertake that, I am a bonafied student of _____ (name of institute/ college/ University) and have completed the final examination including practicals/sessionals and all other requirements to be eligible for the award of the degree of - _____ in _____ (branch / Specialization) and my result has not been published yet. I will produce the result and certificates showing at least 60% marks in aggregate or CGPA 6.5 in a 10 point scale on or before September 30, 2023 failing which my admission shall stand cancelled and all fees paid will be forfeited. I will not appeal to the Institute authority for further extension of date for submission of my result.

Date:

Signature of the candidate

Certification by the Institute/College/ University

This is to certify that Mr./Ms. _____, Roll No. _____ is a bonafied student of this institute/ college/ University and has completed the final examination including practicals/sessionals and all other requirements to be eligible for the award of the degree of - _____ in _____ (branch / Specialization). The result of the said examination will be published on or before September 30, 2023, failing which his admission may be cancelled.

Date:

Signature with Seal of the Principal/Registrar