

INFORMATION BROCHURE

For Admission to

**Ph.D. Programme: Full-Time (with Scholarship)/
Part-Time/Self-Financed/Sponsored
(AY: 2024-25) December Session**



NATIONAL INSTITUTE OF TECHNOLOGY GOA
Cuncolim, South Goa, GOA – 403703
www.nitgoa.ac.in



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1. Important Information

Applications are invited for the admission to Ph.D. programmes (Full-Time(with scholarship)/Part-Time/Self-Financed/Sponsored) for the academic year (AY: 2024-25) December Session at the following Departments of NIT Goa:

- Department of Computer Science and Engineering (CSE)
- Department of Electrical and Electronics Engineering (EEE)
- Department of Electronics and Communications Engineering (ECE)
- Department of Civil Engineering (CVE)
- Department of Mechanical Engineering (MCE)
- Department of Applied Sciences (APS)
- Department of Humanities and Social Sciences (HSS)

Applicants must apply through online portal <http://mis.nitgoa.ac.in/PhDApplication/> only.

A student applying for more than one Department will have to fill separate application forms.

Applicants are advised to read this Information Brochure carefully and Check the Reservation Chart (only for Full-Time with scholarship) in page 7 before applying online.

Admission to Ph.D. programmes will be in the following schemes:

- **Full-Time (with scholarship):**
The candidates selected under this scheme shall be entitled for scholarship/assistantship and House Rent Allowance (HRA) as per Govt. of India norms from time to time. Please read the scholarship requirement section for detailed information.
- **Part-Time**
Part-time Ph. D programme is offered for working professionals from Govt. R&D Organizations /Public Sector /Industries /National Research Laboratories and for faculty members from Govt./Govt. Aided /Private Engineering/Science and Arts Colleges/Universities. It is necessary for a candidate applying under part-time scheme to produce a “No Objection Certificate” on a proper letter head from the appropriate authority in the organization where he is presently employed. Students admitted under part-time scheme have to serve a minimum one semester residential period at the Institute.
- **Self-Financed**
 - **This is a full-time Ph. D program without scholarship.**
 - **Under this scheme, the candidate has to be physically present in the campus.**
 - **The candidate must fulfill all other full-time Ph.D. program requirements.**
- **Sponsored:**
 - **This is a full-time Ph. D program without scholarship.**
 - **The Institute may admit persons who are employed in a Central/State Govt. Departments/PSUs/Reputed Educational Institutes/Research organizations/ Reputed Industries for doing research in the Institute on a full-time basis.**

- Candidates may be sponsored by a company or by educational institute or Industry or an Organization or Department etc.
- Under this scheme, the candidate has to be physically present in the campus.
- The candidate must fulfill all other full-time Ph.D. program requirements.

2. Eligibility and Academic Requirements

- **For Ph. D in Engineering and Technology (CSE, ECE, EEE, CVE, MCE):** Master's Degree in Engineering or Technology (M.E. or M.Tech.) in the relevant discipline with a minimum 6.5 CGPA on a 10 point scale grading system or 60% marks in both Bachelor's and Master's levels from recognized Technical Institute or University. For SC/ST candidates a minimum 6.0 CGPA on a 10 point scale grading system or 55% marks.

Exceptional candidates (with CGPA \geq 9.0) with B.Tech./B.E from a reputed Institute are also eligible to apply for the Ph.D. programme.

- **For Ph. D in Applied Sciences:** Master's degree in Sciences / M. Tech. in the relevant area with a minimum 6.5 CGPA on a 10 point scale grading system or 60% marks in both Bachelor's and Master's levels from recognized Institute or University. For SC/ST candidates a minimum 6.0 CGPA on a 10 point scale grading system or 55% marks.
- **For Ph. D in Humanities & Social Sciences:** Master's degree in Humanities/Social Sciences with a minimum 6.0 CGPA on a 10 point scale grading system or 55% marks in both Bachelor's and Master's levels from recognized Institute or University. For SC/ST candidates a minimum 5.5 CGPA on a 10 point scale grading system or 50% marks.

3. Indicative list of Broad Areas of Research

❖ Computer Science and Engineering (CSE)

- **Full-time (with scholarship):** Brain-Computer Interface, Machine Learning, Computer Vision, Internet of Things, Cyber Physical Systems, Natural Language Processing, AI for Agriculture, Applied machine learning for speech/audio, vision, text and time series data, Social Media Analysis, Machine Learning, Wireless Sensor Networks, Internet of Things, Swarm Intelligence, Optimization Algorithms, High Performance Computing, Quantum Computing, AI/ML for communication network: Federated learning, IoT-Edge- Cloud Continuum Systems, Advanced Mobile Communication (B5G/6G), Game theory application in advanced computer network, Soft Computing, Machine Learning and Deep Learning, Blockchain, Adversarial Machine Learning, Cyber Security
- **Part-Time/Self-Financed/Sponsored:** Brain-Computer Interface, Machine Learning, Computer Vision, Internet of Things, Cyber Physical Systems, Natural Language Processing, AI for Agriculture, Applied machine learning for speech/audio, vision, text and time series data, Social Media Analysis, Data Mining, Machine Learning, Wireless Sensor Networks, Internet of Things, Swarm Intelligence, Optimization Algorithms, High Performance Computing, Quantum Computing, AI/ML for communication network: Federated learning,

IoT-Edge- Cloud Continuum Systems, Advanced Mobile Communication(B5G/6G), Game theory application in advanced computer network, Soft Computing, Machine Learning and Deep Learning, Blockchain, Adversarial Machine Learning, Cyber Security

❖ **Electrical & Electronics Engineering (EEE)**

- **Full-time (with scholarship):** Smart Electric Grid, Electric vehicles, Wireless Power Transfer, EV Charging topologies, Battery Management System, Grid connected/Stand-Alone PV Systems, Renewable Energy Systems, Optimization Techniques, Power Quality Issues, HVDC and FACTS, Applications of Soft Computing Techniques, Restructured Power Systems; Electric Arc Furnace Operations; AC/DC Microgrids, Multilevel Converter, Pulse width Modulation, Switched Reluctance Motor and Drives, Digital Signal/Image Processing, Design of Wavelets, FPGA based Hardware Accelerators, Biometrics and other relevant research domains/areas of Electrical and Electronics Engineering.
- **Part-Time/Self-Financed/Sponsored:** Smart Electric Grid, Electric vehicles, Wireless Power Transfer, EV Charging topologies, Battery Management System, Grid connected/Stand-Alone PV Systems, Renewable Energy Systems, Optimization Techniques, Power Quality Issues, HVDC and FACTS, Applications of Soft Computing Techniques, Restructured Power Systems; Electric Arc Furnace Operations; AC/DC Microgrids, Multilevel Converter, Pulse width Modulation, Switched Reluctance Motor and Drives, Digital Signal/Image Processing, Design of Wavelets, FPGA based Hardware Accelerators, Biometrics and other relevant research domains/areas of Electrical and Electronics Engineering.

❖ **Electronics & Communication Engineering (ECE)**

- **Full-time (with scholarship):** Microelectronics, Digital and Analog VLSI, Network on CHIP. Low power Active filter circuit design. System Design and implementation using FPGA. Image Denoising, Biomedical image Analysis, Image Classification, Object Tracking, Ultrasound signal analysis, FPGA Based Image Processing Applications, Machine Learning, Deep Fake Detection. Microelectronics, VLSI Design, Analog and Mixed Signal Design, AI assisted VLSI circuits. Microstrip Antenna Design; dielectric resonator antenna (DRA) design; Terahertz (THz) antennas; Smart Antennas, Antenna array design for 5G MM-Wave; Adaptive Beamforming; Power Divider Network for Array; Fractal Antenna; Phased Array Antenna; Wearable and Conformal Arrays; Array Pattern Synthesis; Evolutionary Algorithms. Transmitter/receiver design, Fast Adder, Multiplier, multiply-divide unit Signal processing for wireless communication, Use of machine learning in advanced wireless communication. Intelligent reflecting surface. AI and ML for sensors at nanoscale, nanoscale optical sensors, Low Cost Point of Care Diagnostics, Biomedical Signal Processing, AI in Medicine Infrared Thermography (Thermal Imaging), Agriculture Electronics, Biomedical Instrumentation. Antenna Engineering, RF & Microwaves, AI and ML for Microwaves, Microwave Wireless Power Transfer RF and Microwave, Ground penetrating Radar, Microwave Imaging, Inverse Problems. FPGA Based Image Processing Applications, Machine Learning, Semiconductor Devices, System Verilog.

- **Part-Time/Self-Financed/Sponsored:** Microelectronics, Digital and Analog VLSI, Network on CHIP. Low power Active filter circuit design. System Design and implementation using FPGA. Image Denoising, Biomedical image Analysis, Image Classification, Object Tracking, Ultrasound signal analysis, FPGA Based Image Processing Applications, ECG Signal Analysis, Machine Learning, Deep Fake Detection. Microelectronics, VLSI Design, Analog and Mixed Signal Design, AI assisted VLSI circuits. Microstrip Antenna Design; dielectric resonator antenna (DRA) design; Terahertz (THz) antennas; Smart Antennas, Antenna array design for 5G MM-Wave; Adaptive Beamforming; Power Divider Network for Array; Fractal Antenna; Phased Array Antenna; Wearable and Conformal Arrays; Array Pattern Synthesis; Evolutionary Algorithms. Signal processing for wireless communication, Use of machine learning in advanced wireless communication. AI and ML for sensors at nanoscale, nanoscale optical sensors, Low Cost Point of Care Diagnostics, Infrared Thermography (Thermal Imaging), Agriculture Electronics, Biomedical Instrumentation. Biomedical Signal Processing, AI in Medicine Antenna Engineering, RF & Microwaves, AI and ML for Microwaves, Microwave Wireless Power Transfer RF and Microwave, Ground penetrating Radar, Microwave Imaging, Inverse Problems. FPGA Based Image Processing Applications, Machine Learning, Semiconductor Devices VLSI Circuit Designs, System Verilog.

❖ Civil Engineering (CVE)

- **Full-time (with scholarship):** Sustainable Geotechnics, Soil behaviour under static/cyclic conditions, Clay mineralogy and microstructural aspects, Unconventional earth reinforcements, Environmental Geotechnology, Artificial Neural Networks in Geotechnical Engineering, Transportation Geotechnics.
- **Part-Time/Self-Financed/Sponsored:** Sustainable Geotechnics, Soil behaviour under static/cyclic conditions, Clay mineralogy and microstructural aspects, Unconventional earth reinforcements, Environmental Geotechnology, Artificial Neural Networks in Geotechnical Engineering, Transportation Geotechnics.

❖ Mechanical Engineering (MCE)

- **Full-time (with scholarship):** Computational Fluid Dynamics, Numerical and Experimental Fluid Flow and Heat Transfer, Microfluidics, Cooling Technologies, Clean Energy and Energy Harvesting, Multiphase Flow and Heat Transfer, Micro and Nano Heat Transfer, Design for manufacturing and Assembly, Applied Ergonomics, Virtual Reality
- **Part-Time/Self-Financed/Sponsored:** Computational Fluid Dynamics, Numerical and Experimental Fluid Flow and Heat Transfer, Microfluidics, Cooling Technologies, Clean Energy and Energy Harvesting, Multiphase Flow and Heat Transfer, Micro and Nano Heat Transfer, Reverse Engineering, Product Design for Elderly and Kids, Design for manufacturing and Assembly, Quality and Reliability, Sustainability

❖ Applied Sciences (APS)

➤ Full-time (with scholarship):

Mathematics: Applied Mathematics, Hydrodynamic Stability, Non-Newtonian Fluids, Fluid Instabilities. Artificial Intelligence and Machine Learning, Numerical Optimization and Simulation, Biomedical Imaging, Inverse Problems. Partial Differential Equations, Fractional Differential Equations, Mathematical Biology, Finite Element Methods.

Physics: Photonics: Fiber Optic Sensors; & Materials Science: Microwave Absorption Materials, Thin Film Coatings and Gas Sensors.

Chemistry: Electron Paramagnetic Resonance (EPR) of Transition Metal Ions and Organic Free Radicals, Electron Spin Relaxation Time And Its Mechanism, Distance Measurement Between Sites In Biomolecules, Application of EPR towards Biology, Chemistry of Lanthanides and Actinides.

➤ Part-Time/Self-Financed/Sponsored:

Mathematics: Applied Mathematics, Hydrodynamic Stability, Non-Newtonian Fluids, Fluid Instabilities. Artificial Intelligence and Machine Learning, Numerical Optimization and Simulation, Biomedical Imaging, Inverse Problems. Partial Differential Equations, Fractional Differential Equations, Mathematical Biology, Finite Element Methods.

Physics: Photonics: Fiber Optic Sensors; & Materials Science: Microwave Absorption Materials, Thin Film Coatings and Gas Sensors.

Chemistry: Electron Paramagnetic Resonance (EPR) of Transition Metal Ions and Organic Free Radicals. Electron Spin Relaxation Time And Its Mechanism. Distance Measurement Between Sites In Biomolecules. Application of EPR towards Biology. Chemistry of Lanthanides and Actinides.

❖ Humanities and Social Sciences (HSS)

➤ Full-time (with scholarship):

English: Post Humanism and Dalit Literature

Economics: R&D, Innovation, Intellectual Fellowship Property Rights and Sustainable Development.

➤ Part-Time/Self-Financed/Sponsored:

English: Post Humanism and Dalit Literature

Economics: R&D, Innovation, Intellectual Fellowship Property Rights and Sustainable Development.

4. Reservation Chart (for Full-time with scholarship)

OPEN	OPEN-PwD	EWS	EWS-PwD	OBC	OBC-PwD	SC	SC-PwD	ST	ST-PwD
39	1	9	1	26	1	14	1	6	1

The final student intake is subject to availability of Supervisor.

5. Important Instructions

- Candidates MUST specify broad areas of research in the application form.
- **The candidates with INSPIRE, UGC-CSIR Fellowships or any such fellowships can apply under Full-Time category irrespective of vacancies.**
- Institute reserves the right to reject the application(s) if a faculty member is not available to guide the candidate(s) in his/her proposed research area.
- Incomplete application forms and forms submitted after the last date will be rejected.
- Canvassing in any form will lead to rejection of application form.
- The candidates are required to see our Institute website for fee structure and faculty expertise and are also advised to visit our Institute website regularly for the updates.
- The candidates are advised to read the NIT Goa Ph. D Rules and Regulations for detailed programme structure.
[https://www.nitgoa.ac.in/uploads/PhD%20\(Rules%20&%20Regulations\)_March%202024.pdf](https://www.nitgoa.ac.in/uploads/PhD%20(Rules%20&%20Regulations)_March%202024.pdf)

6. Selection Procedure

The admission to Ph.D. Programme will be based on the criteria given below:

- a) Overall academic performance and written test conducted by the respective Department.
 - b) Performance in personal interview.
- The candidates shortlisted in the written test will be called for the personal interview.
 - Short-listed candidates for written test and personal interview will be uploaded on the Institute website. No separate intimation will be sent to the applicants.
 - All candidates selected for admission shall be required to deposit the requisite Institute fee and produce necessary original documents at the time of admission.

7. Fee Structure for the year 2024-25

The applicants may refer the Institute fee structure at the below link:

https://www.nitgoa.ac.in/static/fee_structure_23-24_25july2023.pdf

Fee structure may be changed from time to time as per the Institute norms.

8. Scholarship Requirement

A GATE qualification obtained by candidate at some point in time in the respective disciplines or other eligible fellowships such as JRF/UGC/NET/CSIR/DST-INSPIRE etc. in the respective disciplines or qualification in any other national level tests as specified by the norms of GoI from time to time.

9. Facilities and Opportunities for Ph. D scholars

- Financial support for meritorious scholars to attend International Conferences in abroad.
- Financial support for contingency expenses and attending workshops/conferences in India.
- Exposure to the latest technological trends and developments through various institutional programs and activities.

- Newly inaugurated campus with state-of-the-art facilities.
- Access to selected top-tier research journals and research databases.
- Single room hostel accommodation for Ph. D scholars in the new campus at Cuncolim
- 24 hours access to academic resources including laboratories.

10. How to apply

Applicants must apply through online portal <http://mis.nitgoa.ac.in/PhDApplication/>

While filling-in the online application, attention must be paid to the following:

- Applicants are instructed to apply through **ONLINE** only.
- Applicants must fill/enter their CGPA or percentage of marks as issued by their Institute/University.
- Online application once submitted by the applicants shall be considered final and binding. Requests for making corrections in the online application shall not be entertained once the final submission is made.
- Each application must accompany an application fee of **Rs. 500/-** per Department for Gen/OBC(NCL)/EWS applicants and **Rs. 300/-** per Department for SC/ST/PwD applicants. Applications to more than one Department shall be considered only upon payment of the requisite fees for each Department. Application fee is non-refundable.
- The fee payment should be made through online mode only, on or before the last date **15 December 2024, 5 PM 25 December 2024, 5 PM (extended)**
- Candidates can pay the application fee online using Debit/Credit Card/UPI/Net Banking etc.
- Candidates are instructed to send the softcopy (PDF) of their finally submitted application (without enclosures) to phdadmissions@nitgoa.ac.in with mail subject: **“Ph. D Application December 2024 - User ID”**.

11. Supporting Documents

Applicants **MUST** be ready with the following scanned documents, whichever applicable, while submitting the online Ph.D. application form.

- i. One recent passport size photograph of the candidate.
- ii. GATE/UGC/CSIR/NBHM/NET qualified certificate. (For Full-Time with scholarship)
- iii. Master’s Degree/Provisional certificate. If the result of qualifying degree is awaited, **certificate of course completion** from the institute/university last studied must be provided in the prescribed format. **(Refer Annexure - I)**
- iv. Undergraduate degree certificate and marks sheet.
- v. Certificate of Matriculation /X class as the proof of age of the candidate.
- vi. Certificate of category (SC/ST/OBC-NCL/EWS), if applicable, as per Government of India format **(Refer Annexure - I)**, issued by the competent authority. In case of OBC-NCL/EWS category, the certificate must **be issued on or after April 01, 2024**.
- vii. Undertaking by the candidate on OBC-NCL status in the prescribed format **(Refer Annexure - I)**
- viii. Certificate for Persons with Disabilities (PwD), if applicable, issued by the competent authority. **(Refer Annexure - I)**
- ix. No Objection Certificate (NoC) from the Employer/Industry **(Refer Annexure - I)**
- x. Sponsorship Letter for Sponsored Ph.D. Program **(Refer Annexure - I)**

Note: If the original certificates are not in English/Hindi, English/Hindi version/translation of such certificates, duly certified by the Principal/Director or other

competent authority of the graduating institute, will be required during the document verification.

(Incomplete/incorrect applications without necessary supporting documents will not be considered).

12. Legal Jurisdiction

All disputes pertaining to the counselling and admission for the Ph.D. programme of NIT Goa shall fall within the jurisdiction of Goa only.

13. Important Dates

S. No.	Particulars	Date
1.	Start of Online Application (Website Open)	20 November 2024
2.	Last Date for submission of Online application (Website Closure)	15 December 2024 25 December 2024, 5 PM (Extended)
3.	TENTATIVE Schedule for Written Test*/Interview	6-8 January 2025

***NOTE:** Intimation regarding written test/personal interview will be posted on the Institute website. No separate interview letter/communication will be sent to individual candidates. Visit Institute website: www.nitgoa.ac.in regularly for more details and updates.

Disclaimer

The Institute reserves the right to make changes at any time without notice, changes in and additions to the regulations, conditions governing the admission, requirements, seats, fee and any other information, or statements contained in this information brochure.

For further queries, Contact:

The Chairman (Ph. D Admissions)
National Institute of Technology Goa
Cunolim, South Goa, Goa-403703, India,
Email: phdadmissions@nitgoa.ac.in
Website: www.nitgoa.ac.in

-sd-
The Chairman (Ph. D Admissions)

ANNEXURE – I

CERTIFICATES

Ph.D. Admission NIT Goa – 2024-25 December Session

FORMAT OF COURSE COMPLETION CERIFICATE

[TO BE ISSUED IN THE OFFICIAL LETTER HEAD OF THE INSTITUTE/UNIVERSITY]

This is to certify that

1. Mr. /Ms. _____ (full name) bearing Roll No. _____ is a bonafide student of _____ (course/ program) in our institute/university.
2. He / She is likely to complete all requirements of the course / program and all of his/her examinations is likely to be completed by.....
3. His / Her final result is awaited and is likely to be published on or before

Date: _____

**Signature (with Seal) of the
Authorised Signatory of
the Institute/University**

No-Objection Certificate for Part-Time Students

(This should be typed on the letter head of the sponsoring organization)

Ref. No.:

Date:

To,

The Director
National Institute of Technology Goa
Farmagudi, Ponda, Goa - 403 401.

Sub: No-Objection Certificate

Dear Sir,

We have no objection if Mr./Ms./Mrs. _____ an employee in our organization, is admitted to the Ph.D. programme in _____ at your institute as a PART-TIME student.

It is certified that he/she has completed _____ year(s) of service in our organization/institute as a regular employee.

We shall grant him/her leave of absence minimum of one semester residential period at NIT Goa to attend classes/research works during the Ph.D. programme.

Signature

and Seal of the Sponsoring Authority

Ph.D. Admission NIT Goa – 2024-25 December Session

FORMAT FOR SC/ST CERTIFICATE

A candidate who claims to belong to one of the Scheduled Castes or the Scheduled Tribes should submit in support of his claim an attested/self-certified copy of a certificate in the form given below, from the District Officer or the Sub-Divisional Officer or any other officer as indicated below of the District in which his parents (or surviving parent) ordinarily reside who has been designated by the State Government concerned as competent to issue such a certificate. If both his parents are dead, the officer signing the certificate should be of the district in which the candidate himself ordinarily resides otherwise than for the purpose of his own education. Wherever photograph is an integral part of the certificate, the Ph.D. Admission NIT Goa – 2024 would accept only attested/self-certified photocopies of such certificates and not any other copy.

This is to certify that Shri/Shrimati/Kumari* _____
_____ son/daughter of _____
_____ of village/town/* _____ in
District/Division* _____ of the State/Union Territory* _____
belongs to the _____ Caste/Tribe* which is recognized as a Scheduled Castes
[SC]* / Scheduled Tribes [ST]* under:

The Constitution (Scheduled Castes) Order, 1950

The Constitution (Scheduled Tribes) Order, 1950

The Constitution (Scheduled Castes) Union Territories Order, 1951

The Constitution (Scheduled Tribes) Union Territories Order, 1951

As amended by the Scheduled Castes and Scheduled Tribes Lists (Modification) Order, 1956, the Bombay Reorganization Act, 1960 & the Punjab Reorganization Act, 1966, the State of Himachal Pradesh Act 1970, the North-Eastern Area (Reorganization) Act, 1971 and the Scheduled Castes and Scheduled Tribes Order (Amendment) Act, 1976. [%]

The Constitution (Jammu & Kashmir) Scheduled Castes Order, 1956. The Constitution (Andaman and Nicobar Islands) Scheduled Tribes Order, 1959 as amended by the Scheduled Castes and Scheduled Tribes Order (Amendment Act), 1976. The Constitution (Dadra and Nagar Haveli) Scheduled Castes Order, 1962. The Constitution (Dadra and Nagar Haveli) Scheduled Tribes Order 1962**. The Constitution (Pondicherry) Scheduled Castes Order, 1964**. The Constitution (Scheduled Tribes) (Uttar Pradesh) Order, 1967**. The Constitution (Goa, Daman & Diu) Scheduled Castes Order, 1968**. The Constitution (Goa, Daman & Diu) Scheduled Tribes Order, 1968**. The Constitution (Nagaland) Scheduled Tribes Order, 1970**. The Constitution (Sikkim) Scheduled Castes Order, 1978**. [%]

The Constitution (Sikkim) Scheduled Tribes Order, 1978**. The Constitution (Jammu & Kashmir) Scheduled Tribes Order 1989**. The Constitution (SC) Orders (Amendment) Act, 1990**. The Constitution (ST) Orders (Amendment) Ordinance, 1991**. The Constitution (ST) Orders (Second Amendment) Act, 1991**. The Constitution (ST) orders (Amendment) Ordinance, 1996. The Scheduled Caste and Scheduled Tribe Orders (Amendment) Act. 2002. The Constitution (Scheduled Caste) Orders (Amendment) Act, 2002. The Constitution (Scheduled Caste and Scheduled Tribe) Orders (Amendment) Act, 2002. The Constitution (Scheduled Caste) Order (Amendment) Act, 2007. [%]

2. Applicable in the case of Scheduled Castes, Scheduled Tribes persons who have migrated from one State/Union Territory Administration.

This certificate is issued on the basis of the Scheduled Castes / Scheduled Tribes certificate issued to

Shri/Shrimati _____, Father/Mother of Shri/Shrimati/Kumari* _____ of village/town* _____ in the District/Division* _____ of the State/Union Territory* _____, who belong to the _____ Caste/Tribe* which is recognized as a Scheduled Caste*/ Scheduled Tribe* in the State/Union Territory * issued by the _____ dated _____.

3. Shri/Shrimati/Kumari* _____ and/or*his/her* family ordinarily reside(s) in the village/town* _____ of _____ District/Division* of the State/Union Territory of _____.

Place _____

Signature _____

Date _____

Designation _____

(with seal of office)

*** Please delete the words which are not applicable**

**** Please quote specific presidential order**

% please delete the paragraph which is not applicable.

^ List of authorities empowered to issue Schedule Caste / Schedule Tribe Certificates:

- 1) District Magistrate /Additional District Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / 1st Class Stipendiary Magistrate / Sub-Divisional Magistrate / Extra-Assistant Commissioner / Taluka Magistrate / Executive Magistrate.
- 2) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
- 3) Revenue Officers not below the rank of Tehsildar.
- 4) Sub-Divisional Officers of the area where the candidate and/or his family normally resides.

NOTES:

- 1) The term ordinarily reside(s) used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.

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FORMAT FOR OBC [NCL] CERTIFICATE

TO BE PRODUCED BY OTHER BACKWARD CLASSES APPLYING FOR ADMISSION

[This certificate MUST have been issued on or after 1st April 2024]

This is to certify that Shri/Smt./Kum. _____ Son/Daughter of Shri/Smt.

_____ of Village/Town _____

District/Division _____ in the _____ State/UT

belongs to the _____ Community which is recognized as a backward class under:

- (i) Resolution No. 12011/68/93-BCC(C), dated 10/09/93 published in the Gazette of India Extraordinary Part I Section I No. 186, dated 13/09/93.
- (ii) Resolution No. 12011/9/94-BCC, dated 19/10/94 published in the Gazette of India Extraordinary Part I Section I No. 163, dated 20/10/94.
- (iii) Resolution No. 12011/7/95-BCC, dated 24/05/95 published in the Gazette of India Extraordinary Part I Section I No. 88, dated 25/05/95.
- (iv) Resolution No. 12011/96/94-BCC, dated 9/03/96.
- (v) Resolution No. 12011/44/96-BCC, dated 6/12/96 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 11/12/96.
- (vi) Resolution No. 12011/13/97-BCC, dated 03/12/97.
- (vii) Resolution No. 12011/99/94-BCC, dated 11/12/97.
- (viii) Resolution No. 12011/68/98-BCC, dated 27/10/99.
- (ix) Resolution No. 12011/88/98-BCC, dated 6/12/99 published in the Gazette of India Extraordinary Part I Section I No. 270, dated 06/12/99.
- (x) Resolution No. 12011/36/99-BCC, dated 04/04/2000 published in the Gazette of India Extraordinary Part I Section I No. 71, dated 04/04/2000.
- (xi) Resolution No. 12011/44/99-BCC, dated 21/09/2000 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 21/09/2000.
- (xii) Resolution No. 12016/9/2000-BCC, dated 06/09/2001.
- (xiii) Resolution No. 12011/1/2001-BCC, dated 19/06/2003.
- (xiv) Resolution No. 12011/4/2002-BCC, dated 13/01/2004.
- (xv) Resolution No. 12011/9/2004-BCC, dated 16/01/2006 published in the Gazette of India Extraordinary Part I Section I No. 210, dated 16/01/2006.
- (xvi) Resolution No. 12015/2/2007-BCC, dated 18/08/2010.

- (xvii) Resolution No. 12015/2/2007-BCC, dated 11/10/2010.
- (xviii) Resolution No. 12015/13/2010-BC-II, dated 08/12/2011.
- (xix) Resolution No. 12015/05/2011-BC-II, dated 17/02/2014.
- (xx) Resolution No. 12011/6/2014-BC-II, dated 07/12/2016.
- (xxi) Resolution No. 12011/13/2016-BC-II, dated 22/12/2016
- (xxii) Resolution No. 20012/1/2017-BC-II, dated 19/01/2017
- (xxiii) Resolution No. 12011/7/2017-BC-II, dated 31/07/2017

Shri/Smt./Kum._____and/or his family ordinarily reside(s) in the _____ District/Division of _____ State/UT. This is also to certify that he/she **does not belong to the persons/sections (Creamy Layer)** mentioned in Column 3 of the Schedule to the Government of India, Department of Personnel & Training O.M. No. 36 012/22/93-Estt.(SCT), dated 08/09/93 which is modified vide OM No. 36033/3/2004 Estt.(Res.), dated 09/03/2004, further modified vide OM No. 36033/3/2004-Estt. (Res) dated 14/10/2008, again further modified vide OM No. 36036/2/2013-Estt (Res) dated 30/05/2014.

Place _____

Signature _____

Date _____

Designation _____

(with seal of office)

NOTE:

- (a) The term 'Ordinarily' used here will have the same meaning as in Section 20 of the Representation of the People Act, 1950.
- (b) ^The authorities competent to issue Caste Certificates are indicated below:
 - (i) District Magistrate / Additional Magistrate / Collector / Deputy Commissioner / Additional Deputy Commissioner / Deputy Collector / First Class Stipendiary Magistrate / Sub-Divisional magistrate / Taluka Magistrate / Executive Magistrate / Extra Assistant Commissioner (not below the rank of 1ST Class Stipendiary Magistrate).
 - (ii) Chief Presidency Magistrate / Additional Chief Presidency Magistrate / Presidency Magistrate.
 - (iii) Revenue Officer not below the rank of Tehsildar.
 - (iv) Sub-Divisional Officer of the area where the candidate and / or his family resides.

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FORMAT FOR DECLARATION TO BE SUBMITTED BY OBC CANDIDATES

I, _____, son/daughter of Shri. _____ resident of village/town/city _____ district _____ of _____ State/UT _____ hereby declare that I belong to the _____ community which is recognised as a backward class by the Government of India for the purpose of reservation in services as per orders contained in Department of Personnel and Training Office Memorandum No.36012/22/93- Estt. (SCT), dated 8/9/1993. It is also declared that I do not belong to persons/sections (Creamy Layer) mentioned in Column 3 of the Schedule to the above referred Office Memorandum, dated 8/9/1993, which is modified vide Department of Personnel and Training Office Memorandum No.36033/3/2004 Estt.(Res.) dated 9/3/2004. I also declare that the condition of status/annual income for creamy layer of my parents/guardian is within prescribed limits as on financial year ending on March 31, 2024.

Place: _____

Date: _____

Signature of the Candidate

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INCOME & ASSEST CERTIFICATE TO BE PRODUCED BY ECONOMICALLY WEAKER SECTIONS

Government of

(Name & Address of the authority issuing the certificate)

[This certificate MUST have been issued on or after 1st April 2024]

Certificate No. _____

Date: _____

VALID FOR THE YEAR _____

1. This is to certify that Shri/Smt./Kumari _____, son/daughter/wife of _____ permanent resident of _____, Village/Street _____ Post _____ Office _____ District in the State/Union Territory _____ Pin Code _____ whose photograph is attested below belongs to Economically Weaker Sections, since the gross annual income* of his/her family** is below Rs. 8 lakh (Rupees Eight Lakh only) for the financial year. His/her family does not own or possess any of the following assets***:

- I. 5 acres of agricultural land and above;
- II. Residential flat of 1000 sq. ft. and above;
- III. Residential plot of 100 sq. yards and above in notified municipalities;
- IV. Residential plot of 200 sq. yards and above in. areas other than the notified municipalities.

2. Shri/Smt./Kumari _____ belongs to the _____ caste which is not recognized as a Scheduled Caste, Scheduled Tribe and Other Backward Classes (Central List).

Recent Passport size attested photograph of the applicant

Signature with seal of Office _____

Name _____

Designation _____

The income and assets of the families as mentioned would be required to be certified by an officer not below the rank of Tehsildar in the States/UTs.

Note:

* Income covered all sources i.e. salary, agriculture, business, profession, etc.

** The term 'Family' for this purpose includes the person, who seeks benefit of reservation, his/her parents and siblings below the age of 18 years as also his/her spouse and children below the age of 18 years.

*** The property held by a "Family' in different locations or different places/cities have been clubbed while applying the land or property holding test to determine EWS status.

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DISABILITY CERTIFICATE FORMAT - II

{In cases of amputation or complete permanent paralysis of limbs and in cases of blindness}

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

No. - _____

Date - ____/____/____

Signature/LTI/RTI of the Candidate

Passport size
photograph
of the
candidate

This is to certify that I have carefully examined Shri/Smt./Kum. _____,

son/wife/daughter of Shri _____ Date of Birth ____/____/____

[Age - _____ years], male/female, Registration No. _____ permanent resident of

House No. - _____, Ward/Village/Street _____ Post Office

_____ District _____ State _____, whose

photograph is affixed above, and am satisfied that

1. he/she is a case of (Please tick as applicable):

a. locomotor disability

b. blindness

2. The diagnosis in his/her case is _____.

3. He/She has _____ % (in figure) _____ percent (in words)

permanent physical impairment/blindness in relation to his/her _____

(part of body) as per guidelines (to be specified).

4. The applicant has submitted the following document as proof of residence:-

Nature of Document	Date of Issue	Details of authority issuing the certificate

Official Seal:

[Authorized Signatory of notified Medical Authority]

Name:

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DISABILITY CERTIFICATE FORMAT - III

{In cases of multiple disabilities}

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

No. - _____

Date - ____/____/____

Signature/LTI/RTI of the Candidate

Passport size
photograph
of the
candidate

This is to certify that I have carefully examined Shri/Smt./Kum. _____,
son/wife/daughter of Shri _____ Date of Birth ____/____/____
[Age - ____ years], male/female, Registration No. _____ permanent resident of
House No. - _____, Ward/Village/Street _____ Post Office
_____ District _____ State _____, whose
photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

S. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/mental disability (in %)
1	Locomotor disability	@		
2	Low vision	#		
3	Blindness	Both Eyes		
4	Hearing impairment	£		
5	Mental retardation	X		
6	Mental-illness	X		

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to be specified), is as follows:

In figures: _____%

In words: _____percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary[or]

(ii) Is recommended/after _____ years _____ months, and therefore this certificate shall be valid till (DD/MM/YY)_____.

@ - e.g. Left/Right/both arms/legs

- e.g. single eye/both eyes

£- e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of Issue	Details of authority issuing the certificate

6. Signature and seal of the Medical Authority:

Name and Seal of Member	Name of Seal of Member	Name and Seal of the Chairperson

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DISABILITY CERTIFICATE FORMAT - IV

{In cases of any other case not covered in Format – II & III}

(NAME AND ADDRESS OF THE MEDICAL AUTHORITY ISSUING THE CERTIFICATE)

No. - _____

Date - ____/____/____

Signature/LTI/RTI of the Candidate

Passport size
photograph
of the
candidate

This is to certify that I have carefully examined Shri/Smt./Kum. _____,
son/wife/daughter of Shri _____ Date of Birth ____/____/____
[Age - ____ years], male/female, Registration No. _____ permanent resident of
House No. - _____, Ward/Village/Street _____ Post Office
_____ District _____ State _____, whose
photograph is affixed above, and am satisfied that

1. He/she is a Case of **Multiple Disability**. His/her extent of permanent physical impairment/ disability has been evaluated as per guidelines (to be specified) for the disabilities ticked below, and shown against the relevant disability in the table below:

S. No.	Disability	Affected Part of Body	Diagnosis	Permanent physical impairment/mental disability (in %)
1	Locomotor disability	@		
2	Low vision	#		
3	Blindness	Both Eyes		
4	Hearing impairment	£		
5	Mental retardation	X		
6	Mental-illness	X		

Contd.

2. In the light of the above, his/her overall permanent physical impairment as per guidelines (to bespecified), is as follows:

In figures: _____ %

In words: _____ percent

3. The above condition is progressive/ non-progressive/ likely to improve/ not likely to improve.

4. Reassessment of disability is:

(i) Not Necessary [or]

(ii) Is recommended/after _____ years _____ months, and therefore this certificate shall bevalid till (DD/MM/YY)_____.

@ - e.g. Left/Right/both

arms/legs# - e.g. single

eye/both eyes

£- e.g. Left/Right/both ears

5. The applicant has submitted the following document as proof of residence:

Nature of Document	Date of Issue	Details of authority issuing the certificate

Official Seal:

[Authorized Signatory of notified Medical Authority*]

Name: _____

* In case this certificate is issued by a medical authority who is not a government servant, it shall be valid only if countersigned by the Chief Medical Officer of the District. Note: The principal rules were published in the Gazette of India vide notification number S.O. 908(E), dated the 31st December, 1996.

Countersigned

Official Seal:

[CMO/Medical Superintendent/Head of Govt. Hospital]

Name: _____

^ Countersignature and seal of the CMO/Medical Superintendent/Head of Government Hospital is essential in case the certificate is issued by a medical authority who is not a government servant.

SPONSORSHIP LETTER FOR SPONSORED Ph. D. PROGRAM (Full-Time)

(Should be typed on the letter head of the sponsoring organization)

Reference

No. Date:

To

The Director
National Institute of Technology Goa
Cuncolim, South Goa, Goa-403703.

Sub: Sponsoring an Employee for Ph.D. Program

Dear Sir,

We hereby sponsor the candidature of Mr./Ms./Mrs. _____, Designation:
_____ who is a regular employee in our organization, for joining Ph.D. Program in the
department of _____ at your Institute as a full-time student.

It is certified that he/she has completed _____ years/months of service in our organization as
a regular employee. He/she has gained experience in the field(s) _____

If selected, we shall relieve him/her from his/her duties to join the Ph.D. Program.

**Signature and Seal of the
Sponsoring Authority**