

**NATIONAL INSTITUTE OF OCEAN TECHNOLOGY, CHENNAI**

National Institute of Ocean Technology (NIOT), Chennai, an autonomous R&D organization under the Ministry of Earth Sciences, Govt. of India, invites online applications through the website link <https://www.niot.res.in/niot1/recruitment.php> for the following positions in various disciplines on contract basis for various projects carried out by NIOT for the plan year 2021-2026 as mentioned below:-

<b>Sl. No.</b>	<b>Name of the Posts</b>	<b>No. of posts &amp; Category</b>
1	Project Scientist – II	4 posts (UR)
2	Project Scientist – I	25 posts (OBC – 6; SC – 3; ST – 6; EWS – 6 ; UR – 4)
3	Project Scientific Assistant	30 posts (OBC – 10; SC – 4; ST – 5; EWS – 6; UR – 5)
4	Project Technician	16 Posts (OBC – 6; ST – 2; EWS – 3; UR – 5)
5	Project Jr. Asst.	14 posts (OBC – 3; SC – 1; ST – 2; EWS – 2; UR – 6)
	<b>Total</b>	<b>89</b>

Please read the [terms and conditions](#) and the instructions for [how to apply](#) carefully.

**Name of the Post** : **Project Scientist – II**  
**Number of Post(s)** : **4 (Un-reserved)**  
**Emoluments** : **Rs. 67,000/- + HRA**  
(Increment of 5% for every two years of experience subject to performance review)  
**Maximum age limit** : **40 Years**

<b>Discipline / Reservation</b>	<b>Qualification</b>	<b>Job Requirement</b>
<b>ECE / E&amp;I</b> <b>(1 Post)</b>  (Un-reserved)  <b>Post Code:</b> PSII-ECE-EI	M.E./M.Tech. in Electronics & Communication / Electronics / Applied Electronics/ VLSI Design/ Embedded system design/ Instrumentation & Control/Communication systems from a recognized university or institute.  With  Three years' experience in Research & Development, Survey / Planning, supervision or training in the relevant field.	<ul style="list-style-type: none"> <li>• Embedded System design</li> <li>• Programming and verification of C/C++/MATLAB/PYTHON/Java</li> <li>• Data acquisition/ SCADA /LabView</li> <li>• Signal and image processing</li> <li>• Satellite communications</li> <li>• Circuit design with ORCAD, Pspice</li> <li>• Planning, coordination and participating</li> <li>• In field studies in coastal regions and scientific cruises.</li> <li>• Installation of systems on-board ships</li> <li>• Calibration and testing of underwater acoustic sensors / accreditation processes</li> </ul>

<b>Discipline / Reservation</b>	<b>Qualification</b>	<b>Job Requirement</b>
<p><b>Life Science (1 Post)</b></p> <p>(Un-reserved)</p> <p><b>Post Code:</b> PSII-LS</p>	<p>Ph.D./M.Tech., in marine microbiology / algae / fin fish culture/Ballast water treatment/ biotechnology from a recognized university or institute</p> <p>With</p> <p>Three years' experience in Research &amp; Development in the fields of marine microbes / marine algal / marine fish culture / Ballast water treatment.</p>	<ul style="list-style-type: none"> <li>• R&amp;D related to marine microbes / marine algal / offshore cage culture / Ballast water treatment</li> <li>• Culture and marine microbes/ phytoplankton / zooplankton/ finfish breeding, larval rearing and cage culture.</li> <li>• Organizing scientific cruises / execution field studies</li> <li>• Interpretation of results and preparation of technical report</li> </ul>
<p><b>Naval Architect / Ocean Engineering (1 post)</b></p> <p>(Un-reserved)</p> <p><b>Post Code:</b> PSII-NA-OE</p>	<p>M.E./M.Tech. in Ocean Engineering/ Ocean Technology/ Ocean Engineering and Naval Architecture from a recognized University / Institute with at least 60% marks in the qualifying degree level.</p> <p>With</p> <p>Three years experience in Research &amp; Development, industry and/or the area of work as per the job requirement.</p>	<ul style="list-style-type: none"> <li>• Analysis and design of offshore components such as moorings, fixed / floating structures, design of submarine pipeline and response analysis of floating systems.</li> <li>• Various site related activities in project sites at Islands/Mainland.</li> <li>• Working on software like ANSYS, SACS, ORCAFLEX, MOSES, AUTOCAD (2D &amp; 3D).</li> </ul>
<p><b>Electrical (1 Post)</b></p> <p>(Un-reserved)</p> <p><b>Post Code:</b> PSII-ELEC</p>	<p>M.E in /Electrical/ Electrical &amp; Electronics /Power Electronics /Power system from a recognized University / Institute with atleast 60% marks in the qualifying degree level.</p> <p>With</p> <p>Three years experience in Research &amp; Development, industry and/or the area of work as per the job requirement.</p>	<p>Working in design, selection and operation of Rotating machines</p> <ul style="list-style-type: none"> <li>• Transformers</li> <li>• SCADA/ Data loggers</li> <li>• MATLAB/Simulink</li> <li>• Protection Coordination (ETAP/SKM)</li> <li>• Programmable logic controllers</li> <li>• Installation and maintenance of on-grid/off-grid renewable electrical systems and desalination plants in islands and mainland</li> <li>• Participation in offshore scientific cruises.</li> </ul>

**Name of the Post** : **Project Scientist – I**  
**Number of Post(s)** : **25 (OBC-6; SC-3; ST-6; EWS-6; UR-4)**  
**Emoluments** : **Rs. 56,000/- + HRA**  
(Increment of 5% for every two years of experience subject to performance review)  
**Maximum age limit** : **35 (Age relaxation as per Govt. of India norms)**

<b>Discipline / Reservation</b>	<b>Essential Qualification</b>	<b>Desirable</b>	<b>Job Requirement</b>
<p><b>Mechanical / Thermal (3 Posts)</b></p> <p>(ST – 1 OBC -1 EWS –1)</p> <p><b>Post Code:</b> PSI-MECH-THERMAL</p>	<p><b>B.E. / B.Tech. in Mechanical Engg.</b> from a recognized University / Institute with at least 60% marks in the qualifying degree level.</p>	<p>M.E. / M.Tech from a recognized University / Institute in any of the following disciplines:</p> <p>Mechanical/Thermal /Production/ Engineering Design/ Computer Aided Design/Naval Architecture/ Ocean Engg/Aeronautical Engg.</p>	<ul style="list-style-type: none"> <li>• Design, Analysis and Development of Mechanical Systems / Sub systems for - Components such as moorings, fixed / floating / underwater /offshore structures - thermal systems / components</li> <li>• Fabrication, Assembly, Integration and Testing of Systems / Subsystems / Components in the Lab / Sea / project sites in Mainland / Islands.</li> <li>• To participate in cruises Field survey / deployment / retrieval operations.</li> <li>• To assist in retrieval and deployment of Oceanographic equipment / underwater systems, offshore data collection &amp; participation in ship cruises</li> <li>• Cruise onboard NIOT research vessels/ Monitor &amp; maintenance of ships and to troubleshoot ship board machineries</li> <li>• To supervise the dry-dock works, construction of ships / Maintain and control inventory/Liaise with IRS/DNV.</li> <li>• Working knowledge of <ul style="list-style-type: none"> <li>- FEA software like ANSYS</li> <li>- FEM softwares like Fluent, CFX, Ansys-Mechanical,</li> <li>- 3D-CAD modelling of components and integrated mechanical systems using Inventor, Solidworks, Autocad, ProE, Catia</li> <li>- Ansys Aqua, Orcaflex, Matlab, Simulink MARPOL &amp; SOLAS regulations, Knowledge on Welding technology &amp; Ship technology.</li> </ul> </li> </ul>
<p><b>Naval Architect / Ocean Engineering (3 post)</b></p> <p>(OBC- 2 SC - 1)</p> <p><b>Post Code:</b> PSI-NA-OE</p>	<p><b>B.E/B.Tech in Mechanical/ Civil/ Ocean Engineering and Naval Architecture</b> from a recognized University / Institute with at least 60% marks in the qualifying degree level.</p>	<p>M.E./M.Tech. in Ocean Engineering/ Ocean Technology/ Ocean Engineering and Naval Architecture</p>	<ul style="list-style-type: none"> <li>• Analysis and design of offshore components such as moorings, fixed / floating structures, design of submarine pipeline and response analysis of floating systems.</li> <li>• Various site related activities in project sites at Islands/Mainland.</li> <li>• Working on software like ANSYS, SACS, ORCAFLEX, MOSES, AUTOCAD (2D &amp; 3D).</li> </ul>

<p><b>ECE / E&amp;I (5 Posts)</b></p> <p>(SC – 1 ST – 2 EWS – 2)</p> <p><b>Post Code:</b> PSI-ECE-EI</p>	<p><b>B.E/B.Tech. in Electronics &amp; Communication / Instrumentation Engg.</b> from a recognized University / Institute with at least 60% marks in the qualifying degree level.</p>	<p>M.E./M..Tech. in Electronics &amp; Communication / Electronics / Applied Electronics/ VLSI Design/ Embedded system design/ Instrumentation &amp; Control / Communication systems</p>	<p>The job involves carrying out :</p> <ul style="list-style-type: none"> <li>• Embedded System design</li> <li>• Programming in C/C++/MATLAB/PYTHON/ Java.</li> <li>• SCADA /LabView</li> <li>• Signal processing</li> <li>• Satellite communications</li> <li>• Circuit design with ORCAD</li> <li>• Installation of systems on-board ships</li> <li>• Field studies coastal regions/ Participation in scientific cruises including data buoys.</li> </ul>
<p><b>Electrical (1 Post)</b></p> <p>(Un-reserved)</p> <p><b>Post Code:</b> PSI-ELEC</p>	<p><b>B.E/B.Tech. in Electrical / Electrical &amp; Electronics Engg</b> from a recognized University / Institute with atleast 60% marks in the qualifying degree level.</p>	<p>M.E in Power Electronics /Power system</p>	<p>Working in design, selection and operation of Rotating machines</p> <ul style="list-style-type: none"> <li>• Transformers</li> <li>• SCADA/ Data loggers</li> <li>• MATLAB/Simulink</li> <li>• Protection Coordination (ETAP/SKM)</li> <li>• Programmable logic controllers</li> <li>• Installation and maintenance of on-grid/off-grid renewable electrical systems and desalination plants in islands and mainland</li> <li>• Participation in offshore scientific cruises.</li> </ul>
<p><b>Physical Oceanography /Chemical Oceanography (4 Posts)</b></p> <p>(ST – 1 SC-1 EWS-1 UR– 1)</p> <p><b>Post Code:</b> PSI-PO-CO</p>	<p><b>Master’s Degree in Oceanography/ Physical Oceanography/ Chemical oceanography/Phy sics/Ocean Technology/ Ocean science</b> from a recognized university with at least 60% marks in the qualifying degree level</p>	<ul style="list-style-type: none"> <li>• Ph. D in Oceanography / Physical Oceanography/ Physics / Chemical Oceanography / Ocean science / Marine sciences from a recognized University / Institute.</li> <li>• Two years of relevant experience in R&amp;D in industrial or S&amp;T organizations and scientific activities and services</li> <li>• Working Knowledge in MATLAB / C / Fortran and data processing methodologies.</li> <li>• Experience in Python &amp; R Programming, Ferret, and related software.</li> </ul>	<ul style="list-style-type: none"> <li>• Coastal processes modelling, planning, coordinating and managing field data collection programs, hydrodynamic modelling related to ocean /coastal engineering.</li> <li>• Carryout oceanographic survey, and data collection at costal / offshore locations, involve in Laboratory studies, Instrumentation, Site assessment studies / CRZ / GIS related surveys</li> <li>• Physico-chemical analysis of seawater and sediment. EIA studies related to coastal and marine environment. Metal analysis marine waters / sediment.</li> <li>• Field Sample collection and Analysis of nutrients, metals, pesticides, etc. in sea water and sediments.</li> <li>• Experience in handling of Spectrophotometer, AAS/ICPMS, GC</li> <li>• Oceanographic/acoustic Data Processing and Analysis.</li> <li>• Machine learning and Data mining applications</li> <li>• Numerical modelling / Sound Propagation model</li> <li>• Scientific / technical report</li> </ul>

			<p>preparation and any other project related documentation.</p> <ul style="list-style-type: none"> <li>• Oceanographic data collection, data processing, quality control and application of numeric models. Analysing oceanographic data using tools like MATLAB, Ferret. etc.</li> <li>• Participating in cruises for the data collection and maintenance of ocean observation platforms</li> </ul>
<p><b>Life Science (3 Posts)</b></p> <p>(ST – 1 OBC – 1 EWS – 1)</p> <p><b>Post Code:</b> PSI-LS</p>	<p><b>M.Sc. in Marine Biology/ Marine Science / Aquaculture/ Zoology/Botany</b> from a recognized university / Institute with at least 60% marks in the qualifying degree level</p>	<p>Ph.D. Marine Biology / Aquaculture / Zoology / Botany</p>	<ul style="list-style-type: none"> <li>• Isolation and culture of marine micro &amp; macro algal, breeding, larval rearing of finfish and offshore cage culture.</li> <li>• Physico-chemical analysis of seawater and analysis and culture of phytoplankton / zooplankton for ballast treatment testing experiments</li> <li>• Participation in scientific cruise and field work</li> </ul>
<p><b>Biotechnology (4 Posts)</b></p> <p>(OBC – 1 EWS – 1 UR – 1 ST -1)</p> <p><b>Post Code:</b> PSI-BIOTECH</p>	<p><b>M.Sc./B.Tech in Microbiology/ Biotechnology/Bioinformatics</b> from a recognized university / Institute with at least 60% marks in the qualifying degree level</p>	<p>Ph.D./M.Tech. in Biotechnology/Bioinformatics.</p>	<ul style="list-style-type: none"> <li>• Isolation, culture, characterization, molecular and genomic analysis of marine microbes</li> <li>• Participation in scientific cruise and field studies</li> <li>• Interpretation of results / compilation of reports</li> </ul>
<p><b>Chemistry (2 Post)</b></p> <p>(OBC- 1 UR -1)</p> <p><b>Post Code:</b> PSI-CHEM</p>	<p><b>M.Sc. in Organic Chemistry</b> from a recognized university / Institute with at least 60% marks in the qualifying degree level</p>	<p>Ph.D. in Organic Chemistry.</p>	<ul style="list-style-type: none"> <li>• Isolation, purification and characterization of bioactive marine natural products by chromatographic / spectroscopic techniques.</li> <li>• Physico-chemical analysis of seawater /estimation, Chlorine/Bromine and their bio-products by analytical techniques.</li> <li>• Participation in scientific cruise and field studies.</li> </ul>

**Name of the Post** : **Project Scientific Assistant**  
**No. of Post(s)** : **30 ( OBC-10; SC-04; ST-05; EWS-06; UR – 5)**  
One post will be suitable for PwD-OH category.)  
**Emoluments** : **Rs. 20,000/- + HRA**  
(Increment of 15% for 3 years of experience with maximum ceiling of 4 such revision, i.e., up to 12 years of experience subject to performance review)  
**Maximum age limit** : **50 (Age relaxation as per Govt. of India norms)**

<b>Discipline / Reservation</b>	<b>Essential Qualification</b>	<b>Desirable</b>	<b>Job Requirement</b>
<p><b>Mechanical (10 Posts)</b></p> <p>(UR – 1 OBC – 5 SC – 2 ST – 2)</p> <p><b>Post Code:</b> PSA-MECH</p>	<p>Three years Diploma in Mechanical / Mechatronics / Automobile Engineering from a recognized Institute with 60% marks.</p>	<p>i) Any higher qualification in the relevant discipline/field.</p> <p>ii) Knowledge in software like AUTOCAD (2D &amp; 3D) is desirable.</p> <p>iii) Experience in assembly, integration, testing, and field operations, Maintenance of mechanical systems at R&amp;D Institute, Industry and /or the area of work as per the job requirement.</p>	<ul style="list-style-type: none"> <li>• Erection and commissioning of equipments / machineries in project sites at Islands / Mainland.</li> <li>• Site supervision including reading specifications, drawings, supervising the Manufacturing / Fabrication / Assembly / Integration and testing activity in shop floor, ensuring quality, co-ordination between various inspection agencies and contractors.</li> <li>• Operation and maintenance of power / process plants at Islands / Mainland.</li> <li>• Preparation of mechanical 2D and 3D Drawings / Modeling using Autocad / Inventor / Solid works / Catia / Pro E etc.</li> <li>• Maintenance of EOT crane, Positioning systems,</li> <li>• Fabrication / Assembly / Integration and testing of mechanical sub systems for underwater applications,</li> <li>• To assist in retrieval and deployment of Oceanographic equipment, offshore data collection and participation in ship cruises</li> </ul>
<p><b>Civil (2 Posts)</b></p> <p>(EWS – 2)</p> <p><b>Post Code:</b> PSA-CIVIL</p>	<p>Three years Diploma in Civil Engineering from a recognized Institute with 60% marks.</p>	<p>i) Any higher qualification in the relevant discipline/field.</p> <p>ii) Knowledge in AUTOCAD (2D &amp; 3D)</p> <p>iii) Experience in oil and gas / offshore industries or R&amp;D in Ocean Engineering / Technology.</p>	<ul style="list-style-type: none"> <li>• Knowledge in site execution including preparation of estimates, specifications and drawings as per CPWD codal provisions, supervising the construction/fabrication activities, quality control/assurance, recording measurements in M-book and bill preparation, co-ordination between various agencies and contractors.</li> <li>• Carrying out oceanographic survey including bathymetry studies, data collection, field installation and retrieval</li> </ul>

			<p>operations in coastal / offshore locations.</p> <ul style="list-style-type: none"> <li>• Operation, maintenance and inspection of scientific equipments and to participate in the scientific cruises, dry dock works and construction of ships / maintain and control inventory.</li> <li>• Assist laboratory operations / instrument maintenance, diving skill.</li> </ul> <p><b>NOTE: Involves work in various project sites at Islands/Mainland.</b></p>
<p><b>ECE / E&amp;I (1 Post)</b></p> <p>(EWS – 1)</p> <p><b>Post Code: PSA-ECE-EI</b></p>	<p>Three years Diploma in Electronics &amp; Communication/Electronics &amp; Instrumentation engineering from a recognized Institute with 60% marks.</p>	<p>Experience of 2 years in R&amp;D, Industry and/or higher qualification as per the job requirement.</p>	<ul style="list-style-type: none"> <li>• Assembly, Integration and testing of Marine Electronics Systems/sub systems, data acquisition systems</li> <li>• Underwater systems, deployment / retrieval operations, calibration, tests &amp; trials of electronics subsea system.</li> <li>• Participation in cruises for the maintenance of ocean observation platforms. Working with Data/Tsunami buoy systems, Data Acquisition &amp; Control and Telemetry System for offshore data platforms. Handling Meteorological and Oceanographic sensors.</li> <li>• Installation of instruments and Calibration, and Implementation of Data acquisition, Instrumentation &amp; control systems for Island based desalination plants</li> <li>• Software skills in ORCAD/PADS/LabView/ PLC</li> <li>• Participation in offshore scientific cruises.</li> </ul>
<p><b>Electrical (3 posts)</b></p> <p>(OBC – 1 UR – 2)</p> <p><b>Post Code: PSA-ELEC</b></p>	<p>Three years Diploma in Electrical Engineering / Electrical &amp; Electronics engineering from a recognized Institute with 60% marks.</p>	<p>Experience of 2 years in R&amp;D, Industry and/or higher qualification as per the job requirement.</p>	<ul style="list-style-type: none"> <li>• Installation and maintenance of on-grid/off-grid renewable electrical systems and desalination plants in islands and mainland.</li> <li>• Operation and maintenance of Genset, Transformer, rotating machine and drives.</li> <li>• Testing of electrical and acoustical parameters for underwater acoustic sensors, Laboratory accreditation processes, Monitoring laboratory environmental parameters and maintenance of records etc.</li> </ul>

			<ul style="list-style-type: none"> <li>• Handling of electrical /electronic systems in laboratory</li> <li>• Software skills in Electrical CAD , ORCAD PSpice, GNU Octave.</li> <li>• Participation in offshore scientific cruises.</li> </ul>
<p><b>Computer Science (4 Posts)</b></p> <p>(OBC – 2 EWS – 1 UR – 1)</p> <p><b>Post Code:</b> PSA-COMP</p>	<p>B.Sc Computer Science / BCA / Three years Diploma in Computer Science from a recognized Institute with 60% marks.</p>	<ul style="list-style-type: none"> <li>• M.Sc Computer Science/ / M.Sc I.T/ MCA</li> <li>• Experience in data acquisition and control systems/ remote control sensors and instrumentation/ software testing and R&amp;D.</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge in Programming, maintenance of IT infrastructure operations and Data base Management and, Application Software development</li> <li>• Knowledge in data plotting, scientific software (eg Python/Matlab/Ferret/ Origin)</li> <li>• Middleware development, Scientific Data Plotting</li> <li>• Knowledge in Microsoft Technologies platform, SQL, MySQL, Unix/Linux, Core Java, VBA, RDBMS, etc.</li> <li>• Software development, maintenance, fixing of errors, generating reports, and end user support based on bugs reported</li> <li>• writing program codes, review &amp; improvement of existing softwares, backup and maintenance; testing the product in controlled, real situations before going live; preparation of training manuals for users</li> </ul>
<p><b>Life Sciences/ Bio-Technology (8 Posts)</b></p> <p>(OBC – 2 SC – 2 ST - 2 EWS – 2)</p> <p><b>Post Code:</b> PSA-LS</p> <p><b>Post Code:</b> PSA-BIOTECH</p>	<p>Bachelor's degree in Microbiology or Diploma in Biotechnology / Bioinformatics from a recognized University/Board / National laboratories with 60% marks.</p>	<ul style="list-style-type: none"> <li>• Master's degree in Microbiology / Biotechnology / Bioinformatics from a recognized University /National laboratories.</li> <li>• Two years experience (after obtaining essential educational qualification) in Research and Development in the area listed in job requirement.</li> </ul>	<p>Should be capable of carrying out preparatory works in the laboratory for research and development pertaining to marine microbes and participation in scientific cruise / and field work.</p>
	<p>Bachelor's degree in Marine Biology/ Aquaculture / Zoology / Botany from a recognized University / National laboratories with 60% marks.</p>	<ul style="list-style-type: none"> <li>• Master's degree in Marine Biology/ Aquaculture / Botany /Zoology from a recognized University /National laboratories.</li> <li>• Two years experience (after obtaining essential educational</li> </ul>	<p>Should be capable of carrying out preparatory works in the laboratory for research and development pertaining to marine micro &amp; macro algal / offshore cage culture / physicochemical / biological analysis of seawater / participation in scientific cruise / SCUBA diving and field work.</p>



		<p>qualification) in Research and Development in the area listed in job requirement.</p> <ul style="list-style-type: none"> <li>• SCUBA diving certification with not less than 25 logged dive.</li> </ul>	
<p><b>Chemistry (2 Posts)</b></p> <p>(ST - 1 UR - 1)</p> <p><b>Post Code:</b> PSA-CHEM</p>	<p>Bachelor's degree in chemistry from a recognized University / National laboratories with 60% marks.</p>	<p>i) Master's degree in chemistry from a recognized University / National laboratories.</p> <p>ii) Two years experience (after obtaining essential educational qualification) in Research and Development in the area listed in job requirement.</p>	<p>Should be capable of carrying out preparatory works in the laboratory for research and development pertaining to purification and characterization of marine natural products / physicochemical analysis of seawater and participation in scientific cruise and field work.</p>

**Name of the Post** : **Project Technician**  
**No. of Post(s)** : **16 (UR-5; OBC-06; ST-02; EWS-03)**  
**Emoluments** : **Rs. 20,000/- + HRA**  
**Maximum age limit** : **50(Age relaxation as per Govt. of India norms)**

<b>Discipline/ Reservation</b>	<b>Essential Qualification</b>	<b>Desirable</b>	<b>Job Requirement</b>
<b>Fitter (3 Posts)</b>  (ST – 1 EWS – 2)  <b>Post Code:</b> PT-FITTER	10 <sup>th</sup> standard with two years ITI Tradesman Course in <b>Fitter</b> approved by National Council for Vocational Training or its equivalent from recognized Institutions.	Basic reading of Engineering drawing, Basic knowledge in manufacturing tools and process.  Two years experience in assembly of mechanical systems	Candidate needs to work at various project sites at Islands/Mainland.  Dismantling, Repairing and reassembling equipment such as Rotating machinery systems, plant equipments and assisting field testing operation of varies mechanical systems and sub systems  Participating in cruises for the deployment & retrieval operations
<b>Mechanical (3 Posts)</b>  (OBC – 2 UR – 1)  <b>Post Code:</b> PT-MECH	10 <sup>th</sup> standard with two years ITI Tradesman Course in <b>Draftsman-Mechanical</b> approved by National Council for Vocational Training or its equivalent from recognized Institutions.	Two years Experience in ACAD, 2D and 3D is desirable. / Knowledge in 3D Modelling software such as Inventor, Solid works	Candidate needs to work at various project sites at Islands/Mainland. Knowledge in reading and understanding engineering drawing and symbols. Drafting components, general assembly and fabrication drawings etc.,
	10 <sup>th</sup> standard with two years ITI Tradesman Course in <b>Machinist</b> approved by National Council for Vocational Training or its equivalent from recognized Institutions.	Two years Experience in Turning, drilling, surface grinding and milling trouble shooting and maintenance work at industries / R&D. Experience in assembly, integration and testing of mechanical systems and rotating machinery and in hydraulic systems;	Candidate needs to work at various project sites at Islands/Mainland. Turning, drilling, surface grinding and milling of mechanical system components  Overseeing fabrication / installation of mechanical systems.
<b>Civil (2 Posts)</b>  (OBC – 1 UR – 1)  <b>Post Code:</b> PT-CIVIL	10 <sup>th</sup> standard with two years ITI Tradesman Course in <b>Draftsman-Civil</b> approved by National Council for Vocational Training or its equivalent from a recognized Institutions.	Two years experience in Research and Development, Industry in the area listed in job requirement.  Knowledge in AUTOCAD (2D & 3D)	Preparation of drawings for concrete and steel structures etc.  Preparation of bar bending schedules and estimation.  Operation/maintenance of plumbing works and support scientists in scientific cruises operation and field work.  <b>NOTE: Candidate needs to work at various project sites at Islands/Mainland.</b>

<p><b>Electrical (4 Posts)</b></p> <p>(ST – 1 EWS – 1 UR – 2)</p> <p><b>Post Code:</b> PT-ELEC</p>	<p>10th standard with two years ITI Tradesman Course in <b>Electrician</b> approved by National Council for Vocational Training or its equivalent from a recognized Institutions.</p>	<p>2 years work experience in Operation / maintenance of electrical equipments, Wiring of control panels, Industrial wiring, cable termination, assembly and integration of electrical system, handling of low and high voltage equipment.</p>	<p>Candidate needs to work at various project sites at Islands/Mainland.</p> <p>Assembly and Integration of the electrical system, Wiring of control panels, Industrial wiring, cable termination, low and high voltage system erection. Maintenance of Electrical installations, Generators, Transformers, etc., onshore, on board ships and Offshore installations and handlings.</p>
<p><b>Electronics (4 Posts)</b></p> <p>(OBC – 3 UR – 1)</p> <p><b>Post Code:</b> PT-EI</p>	<p>10th standard with two years ITI Tradesman Course in <b>Electronics / Instrumentation</b> approved by National Council for Vocational Training or its equivalent from a recognized Institutions.</p>	<p>Two years work experience in Operation /maintenance of electronics equipments. Wiring, assembly and integration of control panels and circuit boards. Instrumentation cable glanding, termination. Calibration and erection of sensors. Handling of instrumentation and control, data acquisition systems.</p>	<p>Candidate needs to work at various project sites at Islands/Mainland.</p> <p>Industrial panel wiring and Interfacing, PCB soldering and Assembly, Handling of electronic instruments, Assembly, testing and calibration of instruments/Sensors, Interfacing and panel wiring, Installations of electronic systems on board ships, Offshore installations and handlings.</p>

**Name of the Post** : **Project Junior Assistant**  
**No. of Post(s)** : **14 (UR-06; OBC-03; SC-01; ST-02; EWS-02)**  
(One post will be suitable for PwD-OH category.)  
**Emoluments** : **Rs. 20,000/- + HRA**  
**Maximum age limit** : **50 (Age relaxation as per Govt. of India norms)**

<b>Essential Qualification</b>	<b>Desirable</b>	<b>Job Requirement</b>
<p>Any degree from a recognized Board or University</p> <p><b>Post Code:</b> PJA</p>	<ul style="list-style-type: none"> <li>Working experience of 2 years in organization of repute.</li> <li>Working knowledge of Computer, stenography and typing</li> </ul>	<ul style="list-style-type: none"> <li>Knowledge in Office and accounting procedures</li> <li>Knowledge of word processing and data entry</li> <li>Secretarial Assistance in carrying out the day to day functions of the Institute in Finance and Accounts, Stores and Purchase and Establishment Sections and Scientific groups.</li> </ul>

## General Conditions:

1. The candidates applying for the above posts should apply on-line through web link <https://www.niot.res.in/niot1/recruitment.php> and shall download the filled in application form generated online and produce the same at the time of registration for interview/ Test on the scheduled dates as follows :

Name of the post	Discipline	Interview/Test Date
Project Scientist -II	ECE/E&I	13.03.2023
	Electrical	14.03.2023
	Naval Architect/ Ocean Engineering	15.03.2023
	Life Science	17.03.2023
Project Scientist – I	Mechanical	10.03.2023
	ECE/E&I	13.03.2023
	Electrical	14.03.2023
	Naval Architect/ Ocean Engineering	15.03.2023
	Physical/Chemical Oceanography	16.03.2023
	Life Science	17.03.2023
	Biotechnology	17.03.2023
Project Scientific Assistant	Chemistry	17.03.2023
	Civil	09.03.2023
	Mechanical	10.03.2023
	ECE/E&I	13.03.2023
	Electrical	14.03.2023
	Computer Science	15.03.2023
	Life Science	17.03.2023
Project Technician	Chemistry	17.03.2023
	Civil	09.03.2023
	Fitter	10.03.2023
	Mechanical	10.03.2023
	Electrical	14.03.2023
Project Junior Assistant	Electronics	14.03.2023
	Admin	09.03.2023

2. The web-link for submission of online application is available till 5 p.m. of **28.02.2023**
3. The registration for the walk in interview/ Test will starts from 8:00 a.m.–10.00 a.m on the scheduled dates for the posts at National Institute of Ocean Technology, Pallikaranai, Chennai.
4. Interview will be from 10:00 a.m. onwards. Test will commence by 10.30 AM.
5. Tenure: The posts are purely temporary under Project mode on contract basis. The assignment is for fixed tenure or co-terminus with the project in which he / she is engaged, whichever is earlier.
6. Candidates must be citizens of India.
7. The candidates should not have exceeded the maximum age limit specified above as on the last date of receipt of online applications. A maximum relaxation of 5 years in age is applicable to the candidates belonging to SC/ST category, 3 years for OBC candidates for the post earmarked against respective category; 10 years for persons with disability; 5 years for Group – A and Group – B Ex-Servicemen and for Group– C Ex-servicemen – 3

- years over and above the period of service rendered in the Army, Navy and Air Force, subject to maximum age of 45 years (50 years in case of SC/ST).
8. No TA/DA will be paid to the candidate for appearing interview/Test.
  9. In case more number of candidates appeared, the selection process for Project Scientists posts will be based on the performance in the Test and Interview. In respect of the other posts, the selection will be based on the marks obtained in the written test/Trade/Skill test. The skill test will be of qualifying nature.
  10. The person engaged will not be treated on par with regular employees of NIOT and shall have no right to claim implicit or explicit for their absorption or regularization in NIOT.
  11. All candidates are required to bring the original certificates related to educational qualifications, date of birth, work experience, caste etc. Duly attested copies of all the documents must be submitted with the printout of the online generated application form and one self attested recent passport size photograph should be pasted in the appropriate place in the online generated application.
  12. The candidates selected are liable to work anywhere in India and can be posted in Islands of Lakshadweep or Andaman and Nicobar in the projects of NIOT. The projects may involve travel and operations, field trials in Islands and may involve sea cruises for data collection, sampling etc. The selected candidates are required to apply and possess/apply immediately for valid Indian National passport on joining the service.
  13. The decision of NIOT in all matters relating to eligibility, acceptance or rejection shall be final, and no enquiry or correspondence will be entertained in this connection from any individual or his/ her agency.
  14. Candidates who are in Government/Autonomous institution and PSU should furnish NOC at the time of interview.