

NATIONAL CENTRE FOR PHYSICS

SITUATIONS VACANT

National Centre for Physics, Islamabad requires individuals for the following posts purely on **contract basis**.

S. #	Name and Scale of Post	Qualification & Experience in the Relevant Field	Preferable Skills / Expertise / Experience	Technology / Dte
1	<u>GM Technical - AI (BPS-19 / Equivalent)</u>	a) BE / BSc / BS Engg (Electrical / Electronics / Telecommunication / Mechatronics) with 1st Division along with 13 years' experience in the relevant field. OR b) MSc / BS (Electronics / Mathematics) with 1st Division along with 13 years' experience in the relevant field. OR c) BCS / BIT / BSCS / BS (IT) (4 Years Degree) (1st Division) along with 13 years' experience in the relevant field. OR d) BE / BSc / BS (Engg) (Computer / IT) with 1st Division along with 13 years' experience in the relevant field. OR e) MS / MSc Engg (Electrical / Electronics / Telecommunication / Mechatronics / AI) with 1st Division along with 11 years' experience in the relevant field. OR f) MSc / MS (Engg) (Computer / IT) along with 11 years' experience in the relevant field. OR g) PhD Engg (Electrical / Electronics / Telecommunication / Mechatronics / AI) along with 8 years' experience in the relevant field. OR h) PhD (Computer / IT) along with 8 years' experience in the relevant field.	Nil	Artificial Intelligence Technology
2	<u>GM Technical – Additive Manufacturing (BPS-19 / Equivalent)</u>	a) BE / BSc / BS Engg (Manufacturing and Management/Design and Manufacturing) with 1st Division along with 13 years' experience in the relevant field. OR b) MS / MSc Engg (Manufacturing and Management/Design and Manufacturing) with 1st Division along with 11 years' experience in the relevant field. OR c) PhD Engg in (Manufacturing and Management/Design and Manufacturing) along with 8 years' experience in the relevant field.	Additive Manufacturing, Production and Operations Management, Advanced Manufacturing Processes and Rapid prototyping, Engineering Asset Management & Maintenance. Basic skill in CAD software	Additive Manufacturing and 3D Printing & Scanning
3	<u>Manager Technical - AI (BPS-18/Equivalent)</u>	a) BE/B.Sc/BS Engg (Electrical / Electronics / Telecommunication / Mechatronics) with 1st Division along with 06 years' experience in relevant field OR b) BS/MSc (16 years) (Electronics / Mathematics) with 1st Division along with 06 years' experience in the relevant field OR c) BCS/BIT (04 years' degree) with 1st Division along with 6 years' experience in the relevant field OR d) MCS/MIT with 1st Division after 02 years Bachelor Degree along with 6 years' experience in the relevant field OR	Nil	Artificial Intelligence Technology

		e) BE/ BSc Engg (Computer / IT) with 1st Division along with 06 years' experience in the relevant field OR f) MS/MSc Engg (Electrical / Electronics / Telecommunication / Systems / Mechatronics) with 1st Division along with 4 years' experience in relevant field OR g) MSc Engg (Computer / IT) with 1st Division along with 4 years' experience in the relevant field OR h) PhD Engg (Electrical / Electronics / Telecommunication / Mechatronics / AI) OR i) PhD (Electronics / Mathematics) OR j) PhD Engg (Computer / IT) OR k) PhD (Computer / IT).		
4	<u>Manager Technical – Additive Manufacturing (BPS-18/Equivalent)</u>	a) BSc / BE / BS Engg (Material Science/Metallurgy) with 1st Division along with 6 years' experience in the relevant field. OR b) MSc / BS (Material Science/Metallurgy) with 1st Division along with 6 years' experience in the relevant field. c) MSc / MS Engg (Material Science/Metallurgy) with 1st Division along with 4 years' experience in the relevant field. OR d) PhD (Material Science) OR e) PhD Engg (Metallurgy)	Adequate experience / knowledge of heat treatment of metals, mechanisms of laser-metal interactions, powder metallurgy etc.	Additive Manufacturing and 3D Printing & Scanning
5	<u>Manager Technical – Mechanical (BPS-18/Equivalent)</u>	a) B.Sc / BS / BE Engg (Mechanical) with 1st Division along with 6 years' experience in the relevant field. OR b) MSc / MS (Engg) (Mechanical) with 1st Division along with 4 years' experience in the relevant field. OR c) PhD Engg (Mechanical).	Designing strategies, Scan-to-CAD conversion, surface modeling, GD&T, Skill in FEA, ANSYS, Solid Works, CATIA etc.	Additive Manufacturing and 3D Printing & Scanning
6	<u>Manager Technical – IT (BPS-18/Equivalent)</u>	a) BCS / BIT (04 years 'degree) with 1st Division along with 6 years' experience in the relevant field. OR b) BE / BSc Engg (Computer / IT) with 1st Division along with 06 years' experience in the relevant field. OR c) MSc Engg (Computer / IT) with 1st Division along with 4 years' experience in the relevant field. OR d) PhD Engg (Computer / IT). OR e) PhD (Computer / IT).	Cyber security (policies enforcement / auditing, risk assessment, pen testing, vulnerability assessment and fixing). OR Digital transformation of organization including automation of processes/ ERP solutions. OR Data centre design and operations, network security, cloud security. OR Data management (data lake, storage platforms, disaster recovery). OR Metaverse / extended reality (Multimedia content generation/3D modeling, AR/VR development).	Information Technology
7	<u>Manager Technical – Physics (BPS-18/Equivalent)</u>	a) PhD Engg (Electrical / Electronics). OR b) PhD Physics.	Laser development. OR Detector development and readout systems, Monte Carlo / modelling and	Physics

			detector simulations. OR Quantum information & computation. OR Ion-solid interaction & Instrumentation of accelerators. OR Materials Modeling, Condensed Matter Physics, Semi-conductor materials and devices.	
8	<u>Assistant Manager (Technical) - Mathematics (BPS-17 / Equivalent)</u>	BS / MSc Mathematics (1 st Division)	Computational mathematics, numerical methods.	Physics
9	<u>Assistant Manager (Technical) – Electronics (BPS-17 / Equivalent)</u>	BE / BSc / BS Engg (Electronics) with 1 st Division.	Digital / analog design. OR Automation. OR Instrumentational and control. OR Embedded systems.	Physics
10	<u>Assistant Manager (Technical) – Electrical (BPS-17 / Equivalent)</u>	BE / BSc / BS Engg (Electrical) with 1 st Division.	Design & development of electrical systems.	Vacuum Science and Technology
11	<u>Assistant Manager (Technical) – AI (BPS-17 / Equivalent)</u>	a) BE / BSc / BS Engg (Electrical / Electronics / AI) with 1 st Division. OR b) BS / MSc (16 years) (Artificial Intelligence / Electronics) with 1 st Division. OR c) BCS / BIT / BSE (04 years' degree) (computer science / software engg) with 1 st Division. OR d) BE / BSc Engg (Computer / IT) with 1 st Division. OR e) MCS / MIT (1 st Division) after 2 years of Bachelor Degree. OR f) MCS with 1 st Division after 04 years of BCS / MSc Engg (18 years) (Computer / IT) with 1 st Division. OR g) MS / MSc Engg (Electrical / Electronics / Systems / AI) with 1 st Division. OR h) MS / MPhil (18 years) (Artificial Intelligence / Electronics) with 1 st Division.	Strong background and knowledge of the field of basic degree. Expertise and experience in Artificial Intelligence (AI) and allied fields/tools including deep learning, reinforcement learning, natural language processing (NLP), computer vision, data science, predictive analytics etc. Additional certification /diploma in AI and allied fields and tools.	Artificial Intelligence Technology
12	<u>Assistant Manager (Technical) – IT (BPS-17 / Equivalent)</u>	a) BCS / BIT / BSE (04 years' degree) (computer science/software Engg) with 1 st Division. OR b) BE / BSc Engg (Computer / IT) with 1 st Division. OR c) MCS with 1 st Division after 04 years of BCS / MSc Engg (18 years) (Computer / IT) with 1 st Division.	Cyber security, software development, metaverse / extended reality, cloud computing and virtualization (Linux) data management, campus data network, cloud security, IT Operations, system administration, DevOps, ITIL/ ITSM.	Information Technology

13	<u>Assistant Manager (Technical) – Mechatronics (BPS-17 / Equivalent)</u>	BE / BSc / BS Engg (Mechatronics) with 1st Division.	Design, development and enhancement of electromechanical systems and mechatronic devices. Industrial experience in system automation, robotics or control engineering related projects. Simulation, modeling, programming and debugging embedded systems.	Vacuum Science & Technology
14	<u>AM (BPS-17 / Equivalent)</u>	MBA / BBA (04 Years) with 1 st Division along with specialization in Human Resource Management/Management/Marketing/Supply Chain Management.	Experienced candidates may be preferred.	Admin Dte
15	<u>Tech-I / Junior Chargeman – Mechanical (BPS-9 / 10 / Equivalent)</u>	03 years Diploma of Associate Engineer (Mechanical) with 1st Division from recognized Polytechnic Institute.	Technical drawings, 3D modeling, machining, fabrication, maintenance services.	Vacuum Science & Technology
16	<u>Tech-I / Junior Chargeman – Elects/ / ICT (BPS-9 / 10 / Equivalent)</u>	03 years Diploma of Associate Engineer (Electronics / Information and Communication technology) with 1st Division from recognized Polytechnic Institute.	Nil	Artificial Intelligence Technology
17	<u>Tech-I / Junior Chargeman – Telecom / Cptr (BPS-9 / 10 / Equivalent)</u>	03 years Diploma of Associate Engineer (Telecom / Computer) with 1st Division from recognized Polytechnic Institute.	Telecom and data network, NOC / SOC, data centre operations. Six months' experience in computer applications.	Information Technology
18	<u>Tech-IV (BPS-1/4/Equivalent)</u>	Matric with Science with minimum 2 nd Division with at least 50% marks with aptitude test.	Nil	Vacuum Science & Technology.
19	<u>Tech-IV (BPS-1/4/Equivalent)</u>	Matric with Science with minimum 2 nd Division with at least 50% marks with aptitude test.	Nil	Artificial Intelligence Technology
20	<u>Snr Fire Ldr (BPS-9/10/Equivalent)</u>	F.Sc (Preferably 1 st Division) along with 04 years' experience in the relevant field and Fireman Course from a recognized institute.	Nil	Admin Dte
21	<u>Junior Assistant-II (BPS-7/8/Equivalent)</u>	FA / FSc / I.Com / D.Com with 1 st Division along with 06 months office automation course with trade test.	Experienced candidates may be preferred	Admin Dte
22	<u>Tech-III (BPS-5/6/Equivalent) (Plumber / HVAC Technician)</u>	a) Matric with Science with minimum 2nd Division with at least 50% marks along with 6 years' experience as a Plumber / HVAC technician. OR b) Matric with Science with minimum 2nd Division with at least 50% marks with 01-year technical course technical/drafting) along with 5 years' experience as Plumber/HVAC technician.	Hands on experience of repair and maintenance of all types of Air Conditioners and Plumbing Fixtures.	Technical Services
23	<u>Cook-III Helper (BPS-1/4/Equivalent)</u>	Literate with trade test with experience as a Cook and Tandoorchi.	Nil	Admin Dte

IMPORTANT INSTRUCTIONS

- 3rd Division is not acceptable in the entire academic career.
- Preferably first class academic career, however, one second division (50% marks) is allowed except in Final Degree where First Division (60% marks or CGPA 3.0/4.0) is a pre-requisite of a posts at serial no 1 to 14.

- First class degree means a minimum of 60% marks for annual system or CGPA 3.0 out of 4.0 for semester system and second class means a minimum of 50 % marks for annual system or minimum CGPA 2.0 out of 4.0 for semester system.
- Maximum age limit on closing date of advertisement is 35 years. However, relaxation in age may be given as per rules.
- Candidates must have obtained educational degrees from the institutions / universities duly recognized by Higher Education Commission and registered with Pakistan Engineering Council (For Engineering Degree) / Board of Technical Education / Govt Recognized Institutes. Degrees / Certificates / Diploma etc duly verified by HEC / Boards will be required in original along with 1 x set of copy at the time of interview.
- **Post Qualification Experience** “means the experience gained after date of attaining required qualification till the closing date”.
- Candidates already employed in Govt. /Semi Govt. Organizations must provide No Objection Certificate (NOC) from their employers at the time of Test/Interview.
- The responsibility of correctness of the data will rest purely on the candidate. Only the candidates who fulfill prescribed eligibility criteria may apply. Candidature of those who do not fulfill the requirements/provide wrong/fake data/conceal data and apply for any of the above positions may be cancelled at any stage during the process of selection or subsequently and no claim whatsoever will be acceptable during and after selection.
- Selected candidates may be considered for advance increments & ante-date seniority as per rules.
- Venue of written test/interviews is Islamabad. No TA/DA will be admissible for appearing in test/interview.
- Individual having dual nationality or married to foreign national is not eligible to apply.
- Candidates must apply ONLINE only. Applications submitted in HARD FORM will not be entertained.
- Candidates having done O/A Level, should provide equivalent marks (given by IBCC) in the application.
- **Compliance to advertised criteria does not guarantee short listing. If large number of applicants meet prescribed criteria, further shortlisting may be carried out on the basis of higher grades in respective degree/relevant experience/any other criteria deemed appropriate by the organization.**
- The organization reserves the rights to withdraw/cancel the post(s) or reject any application at any stage without assigning any reason.
- **Candidates can apply for two posts only.**
- Individuals having desired qualification/experience given above should only apply through online NCP Job Portal <https://www.ncp.edu.pk/careers.php> within 15 days of this advertisement. In case of any query email at hr@ncp.edu.pk.

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