



# राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर [हि. प्र.]

**National Institute of Technology Hamirpur [H.P.]**

[Under Govt. of India, Ministry of HRD, New Delhi]

No. NIT/HMR/Admn./Advt.01/2010-2608

Dated: 01.01.2010

To

The Coordinator (Institute Website),  
NIT, Hamirpur.

**Subject: Regarding change in the field of specialization in the Advt. No. 01/2010.**

In continuation to this office endst No. NIT-HMR-Estt-Advt-282-Vol-XI-2260-2305 dated 14.05.2010, I have been directed to send herewith modified field of specialization on the recommendations of the concerned HODs for updating the same in the institute website:-

## **Specialization**

<b>Department/Center</b>	<b>Area of Specialization</b>
<b>Management &amp; Social Science</b>	Economics / Accounting & Finance / Marketing / Quantitative Technique / Operation Management/ Decision Management / Human Resource Management / Information Technology Management. <b>In addition, the following area of specializations shall also be considered:</b> Economics/Industrial Sociology & Psychology/Accounting & Finance/Marketing /Quantitative Technique/Operation Management/Decision Management/Human Resource Management/Information Technology Management.
<b>Applied Chemistry</b>	Computational Chemistry / Environmental Chemistry / Physical Chemistry. <b>In addition, the following area of specializations shall also be considered:</b> Inorganic/ Organic Chemistry/ Polymer Chemistry.
<b>Computer Science &amp; Engineering</b>	Information and Network Security / Computer Architecture / Microprocessor Based Systems/ Embedded Systems / Data Communication / Computer Networks/ VLSI Design / Database Engineering / Software Engineering / Soft Computing / Web Engineering/ Image Processing and Computer Vision /Parallel and Distributed Computing /Mobile computing/Cloud computing. <b>In addition, the following area of specializations shall also be considered:</b> Compilers /Operating

	Systems/ Theoretical Computer Science/ Artificial Intelligence.
<b>Civil Engineering</b>	Transportation / Structural / Environmental Engineering. <b>In addition, the following area of specializations shall also be considered:</b> Geotechnical Engineering/ Geoinformatics/ Hydraulics/ construction management
<b>Electrical Engineering</b>	Power System /Power Electronics & Drives / Control systems /Embedded Systems / Communication / Signal Processing /High Voltage Engineering/Electronics.
<b>Electronics &amp; Communication Engineering</b>	Communication Systems /VLSI Design and Embedded Systems /Telecommunication and Networking /Digital Signal Processing /Systems & Control Engineering /Electronic Instrumentation /Process Control/ Computer Vision and Image Processing /Soft Computing  <b>In addition, the following area of specializations shall also be considered:</b> Electronics & Communication /VLSI Design/ Microwave Engineering/ Communication System/ Integrated Electronics & Circuits/ Telecommunication and Networking /Electronics/ Digital Signal Processing/ Optical Fiber Communication/ Microelectronics/ Embedded Systems/ Wireless Communication/ Image Processing/ Mobile Computing/ Bio-Medical Electronics.
<b>Mechanical Engineering</b>	Non-Traditional Machining / Mechanisms / Machine Design / Vibration / Tribology / Production Engg. /Robotics /Flexible Manufacturing /Industrial Engg./ Industrial Management /Operation Research / Thermal Engg. /Refrigeration and Cryogenic Engineering / Fluid Machinery/ Compression and Expansion machines/ CFD / Quality Assurance /Combustion /Surface Engg. / Metal Forming / Soft Computing Application in Design/ Thermal / Manufacturing.
<b>Applied Mathematics</b>	Analysis / Algebra / Topology / Probability and Statistics / Advanced Computing / Fluid Dynamics / Operational Research.  <b>In addition, the following area of specializations shall also be considered:</b> Applied Mathematics/ Pure Mathematics/ Industrial Mathematics/ Statistics/ Operation Research/ Computational Mathematics.
<b>Applied Physics</b>	Low Temperature Physics / Condensed Matter Physics/ Nuclear Physics/ Mathematical Physics

	(Experimental) /Atomic and Molecular Physics / Statistical Physics.	
<b>Energy &amp; Environment</b>	<p>Energy (both cold and hot energy) and types/ Environmental Engineering / Research experience in the related areas.</p> <p><b>In addition, the following area of specializations shall also be considered:</b></p> <p>Energy [both cold and hot energy] and types with research experience in relevant area: Solar Cooling/Solar radiation studies/Solar thermal/Photo Voltaics power generation/Geothermal Energy/Biomass Gasification/Wind technology/Co-generation/Waste heat recovery, Energy from Waste/Fuel Cells/Nuclear Energy applications in Industry/agriculture/Environmental Engineering/ Water quality Analysis/Hazard waste/solid waste recycling technology.</p>	
<b>Material Sc. &amp; Engineering</b>	Advance Materials / Oxide Materials /Polymers and Composite/Nano Materials (thin film preparation) / Materials Synthesization and characterization/ Computational Materials Science /Electronic Structure	
<b>Architecture</b>	<p>Building Construction/ Project Management / Computer Applications for Arch. &amp; Planning /Landscape Design /Sustainable Arch. / Environmental Design / Interior Design / Architectural Conservation.</p> <p>Note: All new posts of Assistant Professor should have B. Arch as essential qualifications with PG degree in the field of Architecture.</p> <p><b>In addition, the following area of specializations shall also be considered:</b> Building Construction &amp; Management/Sustainable Architecture/ Architectural Conservation/ Interior/ Industrial / Environmental design.</p> <p>Note: All new posts of Assistant Professor should have B. Arch as</p>	Qualifications as per COA Guidelines

		essential qualifications with PG degree in the field of Architecture.	
<b>Training Placement Cell</b>	<b>&amp;</b>	Any field of Engineering with sufficient exposure of industries.	

Sd/-

**Dy. Registrar (Admn.),  
NIT, HAMIRPUR.**