

QS Ranking 	 <b>HINDUSTAN</b> INSTITUTE OF TECHNOLOGY & SCIENCE (DEEMED TO BE UNIVERSITY)	NAAC Accredited "A"
<p>Emerging Researchers with creative dynamism for promising innovations are invited to join Hindustan, a blossoming Deemed University with a rich heritage and commitment for excellence. It has a vision to become one of the best research universities in the country by the end of this decade. More than 400 research scholars are pursuing research at Hindustan Institute of Technology and Science. The scholars have opportunities to collaborate with international universities, research centres and industries both in India and abroad.</p>		
<b>INVITING APPLICATIONS FOR Ph.D. - FULL TIME</b>		
<b>FACULTY</b>	<b>FELLOWSHIP</b>	
<ul style="list-style-type: none"> <li>• Engineering &amp; Technology</li> <li>• Management, Architecture</li> <li>• Science &amp; Humanities</li> </ul> <p><b>Eligibility for Ph.D.:</b>  M.Tech / M. Arch / M.B.A / M.Phil / M.Sc. in relevant branches with consistently good academic records</p>	<p><b>Ph.D :</b></p> <ul style="list-style-type: none"> <li>• Technology &amp; Science – Fellowship available for meritorious Full-Time, candidates*</li> <li>• GATE / NET qualified Rs.25,000 – 28,000/ p.m.</li> <li>• Rs.25,000 in the following thrust areas: <ul style="list-style-type: none"> <li>• Structures &amp; Composites</li> <li>• Mechatronics</li> <li>• Sensors &amp; Process Control</li> <li>• Nanoscience &amp; Technology</li> </ul> </li> </ul>	
<p>Last date for submission of the completed application:  <b>8<sup>th</sup> June 2018</b></p> <p><b>Details of application procedures, Research areas, Eligibility and selection procedures are available in our website.</b>  <b><a href="http://www.hindustanuniv.ac.in">www.hindustanuniv.ac.in</a></b></p>	<p><b>UNIQUE OPPORTUNITIES</b></p> <ul style="list-style-type: none"> <li>• Research Scholars can have joint Supervisors from Industry, R &amp; D organisations, Collaborating Institutions from India / abroad</li> <li>• Can do part of Research work in Laboratories abroad (collaborating Universities)</li> </ul>	
<p><b>Address:</b></p> <p>Regd. &amp; Admn. Office: No. 40, GST Road, St. Thomas Mount, Chennai - 600016 Tamilnadu, India  Ph:+91 44 2234 2155 / 0980 /1389 / 2508 Fax: +91 44 2234 2170 Email: <a href="mailto:info@hindustanuniv.ac.in">info@hindustanuniv.ac.in</a></p>		

## **Fellowship for Full Time Scholars**

- GATE / NET qualified Rs.25,000 – 28,000/ p.m.
- Rs.25,000 for Candidates working in the following Thrust areas
  - Structures & Composites
  - Mechatronics
  - Sensors & Process Control
  - Nanoscience & Technology

### **Eligibility**

Consistently good academic record  
 Minimum 75% marks obtained in UG & PG  
 Achievements and awards

### **HIGHLIGHTS**

- Full time PhD students are encouraged to present their research work at international conferences.
- Candidates can have Joint Supervisors from Industry, R&D Organizations and National Institutions of Repute and Collaborating Universities from abroad.
- Candidates also can carry out part of their research work in Laboratories of Collaborating Universities and Research Centres.

### **Research Areas**

<i>Discipline</i>	<i>Broad Area of Research</i>
School of Aeronautical Engineering	<ul style="list-style-type: none"> <li>• Aero Dynamics</li> <li>• Avionics / Aero Space / Launch Vehicle</li> <li>• GPS and Local Area Augmentation Systems</li> <li>• Automatic Dependent Surveillance Broadcast</li> <li>• Dual Airborne Laser Scanner</li> <li>• Composites</li> <li>• Aircraft Maintenance Engineering (with NDT)</li> </ul>
School of Building Sciences	<p><b>Structural Engineering</b></p> <ul style="list-style-type: none"> <li>• Cold formed Steel</li> <li>• Concrete, Composite &amp; Dynamics of structures</li> <li>• Sustainable concrete &amp; Steel structures</li> <li>• Earthquake engineering</li> <li>• Retro fitting of structures</li> </ul>

	<p><b>Environmental Engineering</b></p> <ul style="list-style-type: none"> <li>• Advanced oxidation Technologies for Water, Waste gas, Wastewater Treatment and Hydrogen Production</li> <li>• Air Quality Modelling and Waste Management</li> </ul> <p><b>Water Resources</b></p> <ul style="list-style-type: none"> <li>• CO<sub>2</sub> Sequestration</li> <li>• Maintenance Optimization in Water Distribution Networks Performance Evaluation of pipe networks</li> <li>• Sustainable Water Management Integrated</li> <li>• Water Resources Management</li> <li>• Urban Planning</li> <li>• PERI – URBAN, Energy Efficient Architecture</li> <li>• Landscape Architecture</li> <li>• Smart Building</li> <li>• Construction Engineering</li> <li>• Highway Engineering</li> <li>• Civionics</li> <li>• Transportation Engineering</li> </ul>
School of Electrical Sciences	<p><b>ECE</b></p> <ul style="list-style-type: none"> <li>• Communication Network security</li> <li>• Signal Processing</li> <li>• Wireless Sensor Network</li> <li>• Wireless Communication Networks-Mobile</li> <li>• Photonics</li> </ul> <p><b>EEE</b></p> <ul style="list-style-type: none"> <li>• Process Control</li> <li>• Renewable Energy</li> <li>• Signal Processing</li> <li>• Power system</li> <li>• High Voltage Engineering</li> <li>• Power Electronics</li> </ul>
School of Mechanical Engineering	<ul style="list-style-type: none"> <li>• Friction, Wear and Lubrication (Tribology)</li> <li>• Industrial Office Ergonomics</li> <li>• Heat Exchangers and Heat Transfer</li> <li>• Thermal Energy Systems</li> <li>• Materials and Metallurgy</li> <li>• Nano Materials</li> <li>• Composites</li> <li>• Ceramics</li> <li>• Renewable Energy</li> <li>• CAD/CAM/CAE</li> </ul>

	<ul style="list-style-type: none"> <li>• Mechatronics</li> <li>• Robotics &amp; Pneumatics</li> <li>• Machine Vision</li> <li>• Metal Cutting</li> <li>• Cylindrical / Surface Grinding</li> <li>• Welding Technology</li> <li>• Alternate Fuels&amp; Bio Diesel</li> <li>• Vehicle Dynamics</li> <li>• Autotronics</li> </ul>
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School of Computing Sciences	<ul style="list-style-type: none"> <li>• Big Data</li> <li>• Network Security</li> <li>• Machine Intelligence</li> <li>• Advanced Computing</li> <li>• Adhoc Networks</li> <li>• Internet of Things</li> <li>• Cloud Computing</li> <li>• Image Processing</li> <li>• Artificial Intelligence</li> </ul>
School of Management Studies	<ul style="list-style-type: none"> <li>• Media Management</li> <li>• Business Analytics</li> <li>• Logistic and Supply Chain Management</li> <li>• Social Entrepreneurship</li> <li>• Resource Management and Sustainable Development</li> <li>• Hospitality Management</li> <li>• Healthcare Management</li> <li>• Information Systems</li> </ul>
Bio Technology	<ul style="list-style-type: none"> <li>• Tissue Engineering</li> <li>• Stem Cell Research</li> <li>• Stress Biology</li> <li>• Genetic Engineering</li> <li>• Microbial Technology</li> <li>• Toxicology</li> <li>• Cancer Biology</li> </ul>
Mathematics	<ul style="list-style-type: none"> <li>• Graph Theory</li> <li>• Differential Equation</li> <li>• Numerical Methods</li> <li>• Fuzzy Graphs</li> <li>• Quantitative Techniques &amp; Statistics</li> </ul>

	<ul style="list-style-type: none"> <li>• Fluid Dynamics</li> <li>• Operation Research</li> <li>• Topology</li> </ul>
Chemistry	<ul style="list-style-type: none"> <li>• Inorganic Materials</li> <li>• Catalysis</li> <li>• Targeted drug delivery</li> <li>• Organic synthesis Complexes</li> <li>• Membrane Science and Technology</li> </ul>
Physics	<ul style="list-style-type: none"> <li>• Materials Science</li> <li>• Conducting Polymers</li> <li>• Nanocomposites</li> <li>• Magnetic Materials</li> <li>• Thin Films</li> </ul>
English	<ul style="list-style-type: none"> <li>• English Language Teaching</li> <li>• Aviation English</li> <li>• Business English</li> <li>• Computer Assisted Language Learning</li> <li>• American Literature</li> <li>• Past Colonial Literature</li> <li>• British Literature</li> <li>• Linguistics</li> <li>• Canadian Literature</li> <li>• Aboriginal Literature</li> </ul>

### **ADMISSION PROCEDURE**

Admission is generally offered on the basis of Test & Interview. The Institute will invite eligible candidates for a written test and interview. The final selection will be primarily based on academic credentials, written test and interview.

Online Ph.D. Applications can be obtained on payment of Rs.1000/-

Hard copy of the Ph.D. Applications is also available on payment of Rs. 1000/- by cash / DD from **Head Office, Hindustan Group of Institutions, 40, GST Road, St. Thomas Mount, Chennai- 600016.**

**The completed application forms along with the following Documents are to be submitted to the above mentioned address.:**

- 1. Passport size Photo ( 2 nos.)**
- 2. UG & PG Degree certificate (Xerox)**
- 3. UG & PG Mark sheet (Consolidated)**

4. **One-page write up (500 Words) of the desired area of research. proposed topic of Research to be investigated containing the following information:**

- **Abstract**
- **Introduction**
- **Review of Literature**
- **Objectives**
- **Research Design**
- **Materials & Methods**
- **Expected outcome**
- **References**

5. Demand Draft / Online payment for Rs.1000 drawn in favour of HITS, Padur.

### **Important Dates**

<b>Last date for Application submission</b>	-	<b>8<sup>th</sup> June, 2018</b>
<b>Written test and Interview</b>	-	<b>Last Week of June, 2018</b>
<b>Date of Joining</b>	-	<b>2<sup>nd</sup> Week of July, 2018</b>

**For further information, kindly contact registrar@hindustanuniv.ac.in**