

### Advertisement of Ph.D Programs 2019-20(odd semester)

Applications on the prescribed format are invited from Indian and Foreign nationals for admission to Ph.D. Programs in the Departments/Schools of Engineering, Sciences, Social Sciences, Computer Application and Business Administration for the current academic session 2019-20(odd semester). Reservations of seats for various categories is as per the Govt. of India norms. No. of seats to be advertised specialization wise for the academic year 2019-20 are as:

| Deptt./ Schools        | Institute Scholarship Full Time Seats for GATE qualified candidates            | * CSIR-UGC JRF Scholarship Full Time Seats for qualified candidates | Part time Seats | Specialization   |
|------------------------|--|---|-----------------|--|
| Civil Engg.            | 15<br>(Gen.5 EWS 1<br>OBC 4 OBC<br>PwD 1 SC3<br>ST1)                           | 5   | 12              | Soil Mech & Foundation Engg./Structural Engg./Water Resources & Hydraulics Engg./Environmental Engg./TransportaionEngg./Remote Sensing.  |
| Computer Engg.         | 10<br>(Gen.5 OBC 2<br>SC 1 SC PwD 1<br>ST1)                                    | 5   | 12              | Computer Networks, Internet of Things, Software Defined Networking,Wireless Sensor Networks,Mobile Computing,CloudComputing,InformationSecurity,Cybersecurity,websecurity,cloud security,lot Security, Adhoc Network Security,WSNSecurity,Security in Pervasive Computers, Key Management in WSN,Online Social Networks, Image Processing, Signal Processing, Infromation Retrieval, Data Mining, Data Analytcs, Pattern Recognition, Soft Computing, Biometrics,Machine Learning, Affective Computing, Software Engineering.  |
| Information Technology | 6<br>(Gen.1 EWS 1<br>OBC 2 SC 2)   | 5   | 12              | Computer Networks, Internet of Things, Software Defined Networking,Wireless Sensor Networks, Mobile Computing,CloudComputing,InformationSecurity,Cybersecurity,websecurity,cloud security,lot Security, Adhoc Network Security,WSNSecurity,Security in Pervasive Computers, Key Management in WSN,Online Social Networks, Image Processing, Signal Processing, Infromation Retrieval, Data Mining, Data Analytcs, Pattern Recognition, Soft Computing, Biometrics,Machine Learning, Affective Computing, Software Engineering. |
| Electrical Engg.       | 16<br>(Gen.7<br>Gen.PwD 1<br>EWS 1 OBC 3<br>OBC PwD 1 SC<br>1 SC PwD 1<br>ST1) | 5   | 12              | Power System/Control System/Power Electronics & Drives/Renewable Energy  |
| ECE                    | 14<br>(Gen.6 EWS 2<br>OBC 3 SC 2<br>ST1)                                       | 5   | 12              | Electronics &Communication Engg.   |
| Mechanical             | 6  |   | 4               | Production & Industrial Engg.  |

|  |   |   |    |   |
|--|---|---|----|---|
| Engg.  | 4   |   | 4  | Thermal Engineering   |
|  | 4   |   | 4  | Machine Design  |
|  | Total=14 (Gen.6<br>Gen.PwD 2<br>EWS 1 OBC 3<br>SC 1 ST 1) |   |    |   |
| Production &<br>Industrial<br>Engg.              | 3   |   | 8  | Production & Industrial Engg.   |
|  | 1   |   | 2  | Thermal Engineering   |
|  | 1   |   | 2  | Machine Design  |
|  | Total= 5 (Gen. 2<br>OBC 1 SC 1 ST<br>1)                   |   |    |   |
| Physics  | 6   |   |    | Experimental Physics  |
|  | (Gen.1 EWS 1<br>OBC 1 SC 1 ST<br>2)                       |   | 5  | Physics   |
|  |   | 5 |    | Material Science  |
| Chemistry  | 4<br>(Gen. 1 OBC 2<br>SC 1)                               | 5 | 12 | Inorganic/Organic/Physical/Analytical/Computational Chemistry   |
| Mathematics                                      | 5<br>(Gen. 1 OBC 2<br>SC 2)                               |   |    | Mathematics   |
| Hum.&S.S   | 2<br>(OBC 2)  |   |    | Economics   |
| School of<br>Renewable<br>Energy &<br>Efficiency | 1<br>(Gen. 1)   |   | 6  | Renewable Energy  |
| School of<br>VLSI Design<br>& Embedded<br>System | 2<br>(Gen.1 SC 1)   | 5 | 12 | Low Power Design, Biomedical Signal Processing, Embedded Systems, VLSI Design, Semiconductor Devices, Nanoelectronics, Nano-Scale Devices, Device Circuits Co-Design, Mixed Signal Design, Analog, Circuit Design, Internet of Things(IoT), Security In Embedded Systems, Quantum Architecture, QCA Design, Reversible Logic Design, Fault Tolerance, low power digital design, FPGA based design, Low Power and low temperature VLSI Design, device circuit co-design in Digital/analog Domain and Device Modeling of Multigate Semiconductor devices. |
| MBA  | 1   |   |    | HRM   |
|  | 1   | 1 |    | Marketing   |
|  | 1   | 1 |    | Finance   |
|  | Total=3 (Gen. 1<br>OBC 1 ST 1)                            |   |    |   |
| MCA  | 4<br>(Gen.1 OBC 1<br>SC 1 ST1)                            | 2 |    | Cyber Physical Systems, Big Data, Artificial Intelligence, Knowledge Engineering, Machine learning  |

\* Only qualified candidates with supporting documents will be considered and at any stage no financial assistance from institute will be provided to such admitted candidates.

**Project seats (Full Time)**

| Deptt./Schools | Project Seats# | Specialization  |
|----------------|----------------|---|
| Chemistry      | 1              | High Energy Materials                                   |
|                | 1              | Inorganic Nanomaterials                                 |
|                | 1              | Chemical Sensor and Supramolecular Analytical Chemistry |
|                | 1              | Functional Organic Materials                            |

# Scholars will be bound to follow terms and conditions of project sponsoring agency and no financial assistance will be provided to the scholars from Institute funds at any stage.

Note: -

1. Candidate must fulfill the eligibility criteria by the last date of application ie..03.06.2019.
2. Only Gate/NET qualified candidates can apply against full time institute scholarship seats.
3. Only fellowship qualified candidates can apply against CSIR/UGC/JRF seats.
4. Seats as shown above are tentative and may vary on either side.
5. Conversion of unfilled category seats will be done as per Government rules.

The other eligibility details and application format can be downloaded from the Institute website [www.nitkkr.ac.in](http://www.nitkkr.ac.in) under Academic->Admission->Ph.D. The duly completed Ph.D applications should be sent to the Registrar, National Institute of Technology, Kurukshetra-136119 (Haryana) latest by **03.06.2019** before **5.00 p.m.**

Sd/-  
Registrar Incharge