

Advertisement of Ph.D. Programs for Academic Year 2020-21(Odd semester)

(Advt. No. 12/2020)

Applications on the prescribed format are invited from Indian and Foreign nationals for admission to Ph.D. Programs in various Departments/Schools of Engineering, Sciences, Social Sciences, Computer Application and Business Administration for the Odd Semester of current Academic Year 2020-21. The details of seats to be filled are as follows:

| Deptt. | Specialization | Full Time | | | Part Time | Total |
|-------------------------------|--|--|----------------------|----|-----------|-------|
| | | Institute Fellowship | * CSIR-UGC - NET-JRF | | | |
| Civil Engg. | Soil Mech. & Foundation Engg. | 11 (Gen -5, OBC(NCL)-2, OBC(PwD)-1 SC- 2,ST-1) | 02 | - | 01 | 03 |
| | Structural Engg. | | 03 | - | 03 | 06 |
| | Water Resources & Hydraulics Engg. | | 02 | - | 04 | 06 |
| | Environmental Engg. | | 02 | - | 02 | 04 |
| | Transportation Engg. | | 01 | - | - | 01 |
| | Remote Sensing | | 01 | - | - | 01 |
| Computer Engg. | Computer Networks, Internet of Things, Software Defined Networking, Wireless Sensor Networks, Mobile Computing, Cloud Computing, Information Security, Cyber Security, Web Security, Cloud Security, IOT Security, Adhoc Network Security, WSN Security, Security in Pervasive Computers, Key Management in WSN, Online Social Networks, Image Processing, Signal Processing, Information Retrieval, Data Mining, Data Analytics, Pattern Recognition, Soft Computing, Biometrics, Machine Learning, Affective Computing, Software Engineering, Data Science | 08 (GEN-3, EWS-1, OBC(NCL)-2, SC- 1, ST-1) | 08 | 05 | 12 | 25 |
| Information Technology | Computer Networks, Internet of Things, Software Defined Networking, Wireless Sensor Networks, Mobile Computing, Cloud Computing, Information Security, Cyber Security, Web Security, Cloud Security, IOT Security, Adhoc Network Security, WSN Security, Security in Pervasive Computers, Key Management in WSN, Online Social Networks, Image Processing, Signal Processing, Information Retrieval, Data Mining, Data Analytics, Pattern Recognition, Soft Computing, Biometrics, Machine Learning, Affective Computing, Software Engineering, Data Science | 04 (GEN-1, EWS-1, OBC(NCL)-1, SC-1) | 04 | 05 | 12 | 21 |
| Electrical Engg. | Power System Control system Power Electronics & Drives Renewable Energy Electrical Machines High Voltage Engg. | 12 (Gen-4, GEN(PwD)-1, EWS-1, OBC(NCL)-3, SC-1,SC(PwD)-1 ST-1) | 12 | | 30 | 42 |
| ECE | Electronics & Communication Engg. | 11 (GEN-5, EWS -2, OBC(NCL)-3, SC- 1) | 11 | 05 | 30 | 46 |
| Mechanical Engg. | Production & Industrial Engg. | 11 (GEN-4 GEN(PwD)-1, EWS -1, OBC(NCL)-3, SC-1, ST-1) | 03 | - | 06 | 09 |
| | Thermal Engg. | | 04 | - | 08 | 12 |
| | Machine Design | | 04 | - | 08 | 12 |
| Production & Industrial Engg. | Production & Industrial Engg. | 04 (Gen-2, OBC(NCL)-1, SC- 1) | 04 | - | 04 | 08 |
| Physics | Experimental Physics, Physics, Material Science | 03 (Gen-1, EWS-1, OBC(NCL)-1) | 03 | 05 | 05 | 13 |
| Chemistry | Inorganic/Organic/Physical/Supramolecular/ Environmental/Organic Material /Nanomaterials /Analytical / Computational Chemistry | 03 (Gen-1, OBC(NCL)-1,SC- 1) | 03 | 05 | 05 | 13 |
| Math | Mathematics | 03 (Gen-1, OBC(NCL)-1, SC- 1) | 03 | 05 | - | 08 |
| Hum. & S.S. | Economics | 01 OBC(NCL)-1) | 01 | - | 02 | 03 |

| SREE | Renewable Energy | 01 Gen-1 | 01 | - | 05 | 06 |
|--------------|---|---|----------------------|----|-----------|-------|
| Deptt. | Specialization | Full Time | | | Part Time | Total |
| | | Institute Fellowship | * CSIR-UGC - NET-JRF | | | |
| VLSI | Nano Electronics, Spintronics, VLSI Devices, Microelectronics, Embedded System Design, VLSI, Low Power VLSI Design, Device Modeling, Circuit Design, Mixed Signal VLSI, Internet of things (IOT), System on Chip, Low Power and Digital Design Embedded System Design, Low Power VLSI | 02 (OBC-1,ST-01) | 02 | 05 | 05 | 12 |
| MCA | Cyber Physical Systems, | 03 (Gen-1, EWS-1, OBC(NCL)-1) | 01 | - | - | 03 |
| | Artificial Intelligence | | 01 | | | |
| | Machine Learning | | 01 | | | |
| MBA | Marketing Management | 03 (Gen-1, SC-1, ST-1) | 02 | - | - | 03 |
| | Financial Management | | 01 | | | |
| Total | | 80 GEN-30, GEN(PwD)-02, EWS -08, *OBC(NCL)-21, OBC(PwD)-1, SC- 11, SC(PwD)-1, ST-06) | 80 | 35 | 142 | 257 |

* 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.

* OBC candidate must show his/her non-creamy layer certificate.

Note: -

1. Candidate must fulfill the eligibility criteria by the last date of application i.e. July 28, 2020.
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.

The other eligibility details and application format can be downloaded from the Institute website www.nitkr.ac.in under Academic->Admission->Ph.D. The duly completed Ph.D. applications must reach the office of the Registrar, National Institute of Technology, Kurukshetra-136119 (Haryana) by **July 28, 2020 (5:00 PM)**. Incomplete applications and applications received after due date will not be consider and application fee in any case will not be refunded.

Date :- 29.06.2020

Sd/-
Registrar Incharge