

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

[Advt. No. 31/2019 Dated 14.10.2019]

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 even semester of current academic year 2019-20. 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.	08 (EWS -1, OBC(NCL)-3, OBC(PwD)-1 SC- 2,ST-1)	01	-	-	01
	Structural Engg.		02	-	04	06
	Water Resources & Hydraulics Engg.		02	-	05	07
	Environmental Engg.		01	01	-	02
	Transportation Engg.		01	-	01	02
	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	09 (GEN-4, OBC(NCL)-2, SC- 1, SC(PwD)-1, ST-1)	09	05	12	26
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	06 (GEN-1, EWS-1, OBC(NCL)-2, SC-2)	06	05	12	23
Electrical Engg.	Power System	07 (GEN(PwD)-1, EWS-1, OBC(NCL)-2, OBC(PwD)-1 SC(PwD)-1, ST-1)	01	-	03	04
	Control system		02	-	04	06
	Power Electronics & Drives		01	-	01	02
	Renewable Energy		01	-	02	03
	Electrical Machines		01	-	00	01
	High Voltage Engg.		01	-	01	02
ECE	Electronics & Communication Engg.	11 (GEN-3, EWS -2, OBC(NCL)-3, SC- 2,ST-1)	11	05	24	40
Mechanical Engg.	Production & Industrial Engg.	06 (GEN-1 GEN(PwD)-2, EWS -1, SC-1, ST-1)	02	-	02	04
	Thermal Engg.		02	-	03	05
	Machine Design		02	-	03	05
Production & Industrial Engg.	Production & Industrial Engg.	03 (OBC(NCL)-1, SC- 1,ST-1)	03	-	04	07
Physics	Experimental Physics	03 (SC- 1,ST-2)	03	05	05	13
Chemistry	Inorganic/Organic/Physical/Supramolecular/Environmental/Organic Material /Nanomaterials /Analytical / Computational Chemistry	02 (OBC(NCL)-2)	02	05	12	19

Math	Mathematics	03 (OBC(NCL)-1, SC- 2)	03	05	-	08
Hum. & S.S.	Economics	02 OBC(NCL)-2)	02	-	02	04
SREE	Renewable Energy	-	-	-	04	04
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	-	-	05	10	15
MCA	Cyber Physical Systems, Big Data, Artificial Intelligence, Machine Learning	03 (OBC(NCL)-1, SC- 1,ST-1)	03	02	-	05
MBA	Marketing Management	03 (GEN-1, OBC(NCL)-1, ST-1)	01	01	-	02
	Financial Management		01	01		02
	General Management		01	-		01
Total		66 GEN-10, GEN(PwD)-3, EWS -6, OBC(NCL)-20, OBC(PwD)-2, SC- 13,SC(PwD)-2, ST-10)	66	40	114	220

* 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.	Project Seats#	Specialization	Title of the Project
Mechanical Engg.	1	Solar Thermal Energy	Design & Development of Solar Assisted Solid Desiccant Air Conditioning System for India
	1	Material Science & Design	Synthesis and Characterization of Ceramic Metal Multilayer functionally graded armour Materials with improved ballistic performance
	1	Thermal Engg. Renewable Energy	Design & Development of Hybrid Powered Liquid Desiccant System for Air Conditioning and Water Production
	1	Manufacturing	Development of Ultrasonic Assisted Electrochemical Mechanical Finishing (UAECMF) Process with Modular Tooling system for precision finishing of gears
Mathematics	1	Functional Analysis	Study of Degree of Approximation and Absolute Summability Factors of Infinite Series

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 i.e. November 15, 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. All unfilled seats except SC/ST category seats will be converted to other categories as per GOI norms and seats will be filled accordingly.

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 **November 15, 2019 (5:00 PM)**. Incomplete and applications received after due date will not be consider and application fee in any case will not be refunded.

Date :- 14.10.2019

**Sd/-
Registrar Incharge**