



# UNIVERSITY SCHOOL OF AUTOMATION AND ROBOTICS (USAR)

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

"A STATE UNIVERSITY ESTABLISHED BY THE GOVT. OF NCT OF DELHI"

East Delhi Campus, Surajmal Vihar, Delhi - 110 092

Email Id: dean.usar@ipu.ac.in

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F. 5H-3/2024/USAR/Ph.D./MainFile/33.85<sup>L</sup>

30<sup>th</sup> December 2024

**Sub: Interview for Ph.D. admission [winter session 2024] at the University School of Automation & Robotics.**

The interview for admission to the Ph. D program in the University School of Automation & Robotics, Guru Gobind Singh Indraprastha University, for the academic session 2024-25 is scheduled to be held on Monday, 06<sup>th</sup> January, 2025 in the Room No: 107, A Block, USAR, Guru Gobind Singh Indraprastha University, East Delhi Campus, Surajmal Vihar, Delhi-110092 from 11 am onwards. Candidates are required to appear before the Ph.D Admission Committee of USAR for an interview. The following candidates have been shortlisted as per the University's Ph. D admission procedure.

Sr. No.	Name	Category	Discipline	Qualification of PET Exemption	Discipline of JRF/NET/GATE
1	Sree Vrinda G M	Gen	AIDS	UGC NET Category 3	Computer Science & App
2	Arvind Kumar Sharma	OBC (NCL)	AIML	UGC NET Category 3	Computer Science & App
3	Sakshi	GEN-EWS	AIML	UGC NET Category 2	Computer Science & App
4	Hari Singh Rajpoot	OBC (NCL)	AIML	UGC NET Category 3	Computer Science & App
5	Vivek Kumar Jha	Gen	AIML	UGC NET Category 3	Computer Science & App
6	Nikita	OBC (NCL)	AIML	UGC NET Category 2	Computer Science & App
7	Kundan Pawar	Gen	AIML	UGC JRF	Computer Science & App
8	Himani	OBC (NCL)	AIML	UGC NET Category 2	Computer Science & App
9	Sonia Ahlawat	SC	IIT	UGC JRF	Electronic Science
10	Neeraj Singh	SC	AIML	UGC NET Category 2	Computer Science & App

### **Instructions for eligible candidates:**

1. Please bring the following documents for verification and/or deposit purposes:
  - a) 10 Copies of Profile sheet "Annexure-A" to be notified to the candidates.
  - b) Copy of Registration Fee paid online.
  - c) JRF Award Letter (original and one copy)
  - d) UGC NET Certificate having a valid NET score in accordance with UGC Circular. (original and one copy)
  - e) Academic certificates/degrees in original and one set of self-attested photocopies.
  - f) Two passport-size photographs.
  - g) An NOC from the employer (for employed candidates) as per para 2.8 of the Ph.D admission brochure for academic session 2024-25.
  - h) Self-attested copy of the document(s) to support your exemption claim.
  - i) 10 copies of the tentative research proposal for the proposed Ph.D topic.

*Laksh*

*Atul Tripathi*

2. Soft copy of the research proposal, as per Annexure 'B'
3. No separate information will be sent to the candidates.
4. No TA/DA will be permissible to the candidates.
5. Candidates unable to produce documents supporting their candidature will not be allowed for the interview.

Candidates can e-mail their grievances (if any) to dean.usar@ipu.ac.in.

*Rahul*  
30/12/24  
Dr. Rahul Johari  
PhD Program Coordinator

Copy to:

1. Dean, USAR
2. Director, East Delhi Campus
3. Director (RDC), GGSIPU, for kind information please.
4. In charge, UITS with request to upload the notice on University Website
5. Guard File.

*Seen @H*  
30/12/24

*Atul Tripathi*  
30/12/24  
Dr. Atul Tripathi  
PhD Program Co-Coordinator


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**PROFILE SHEET**

Name of Applicant: \_\_\_\_\_ :  
 Date of Birth \_\_\_\_\_ :  
 Mother's Name \_\_\_\_\_ :  
 Father's Name \_\_\_\_\_ :  
 Category \_\_\_\_\_ :  
 (Gen/SC/ST/OBC/EWS)  
 E-mail Address \_\_\_\_\_ :  
 Mobile No. \_\_\_\_\_ :  
 Correspondence Address \_\_\_\_\_ :  
 Preferred mode for study  Full Time Only  
 Part Time Only

S. No	Qualifying Exam	Year of passing	Board/ University	Marks Obtained	Total Marks	Percentage
1	10 <sup>th</sup>					
2	12 <sup>th</sup>					
3	Graduation					
4	Post Graduation					
5	Examination of Exemption (UGC JRF/NET)					
6	Other					

Area of Specialization in PG, if any:

Choice/Preference of Supervisor: (Annexure C) 1.  
 2.  
 3.

Signature of Applicant

**Research Proposal**

**on**

***"Title"***

**1. Introduction:**

Briefly introduce the subject of the research proposal (with appropriate references). (font type: times new roman; font size: 12; line spacing: 1.5)

**2. Literature review:**

Explain what has already been done w.r.t the research problem with scientific rationale (and with appropriate references). (font type: times new roman; font size: 12; line spacing: 1.5)

**3. Research gaps identified :**

(font type: times new roman; font size: 12; line spacing: 1.5)

- Gap 1
- Gap 2
- Gap 3 (add more if required)

**4. Problem definition:**

Explain the problem statement of the research proposal. (font type: times new roman; font size: 12; line spacing: 1.5)

**5. Research objectives:**

(font type: times new roman; font size: 12; line spacing: 1.5)

- Objective 1
- Objective 2
- Objective 3 (add more if required)

**References:**

(font type: times new roman; font size: 10; line spacing: 1)

[1] Authors names, title of the paper, journal name, Vol No. (Year) 1st Page No./article number

[2] Authors names, title of the paper, journal name, Vol No. (Year) 1st Page No./article number

## University School of Liberal Arts

Sl. No.	Name of the Supervisor	Designation	Current Research Area	NO OF SLOTS 2024-25
1	Prof. Queeny Pradhan	Dean, USLLS and Incharge, USLA	History	01
2	Prof. Deepshikha Agarwal	Dean USE and Prof. USLLS	Sociology	00

## University School of Design and Innovation

Sl. No.	Name of the Supervisor	Designation	Current Research Area	NO OF SLOTS 2024-25
1	Dr. Nanki Nath	Assistant Professor	Design	02
2	Dr. Nikhilesh Sharma	Assistant Professor	Design	02

## University School of Automation and Robotics

S.No	Name of Recognized Supervisor	Designation	Specialization	Discipline in which the Supervisor has been recognized	Number of Slots to be filled in 2024-2025 (Out of 4)
1	Prof. Ajay Singh Singhal	Professor	3D printing, Robotics & Automation, Mechatronics systems, Advanced Manufacturing	Automation and Robotics	06
2	Dr. Rahul Johari	Associate Professor	Cloud Computing, Blockchain Technology, Cyber Security, Metaverse, wireless network, IoT	Artificial Intelligence -Data Science	02
3	Dr. Ashish Joshi	Assistant Professor	AI in cyber security	And	02
4	Dr. Amit Pal Singh	Assistant Professor	Swarm Algorithms, Algorithms, Machine Learning, Machine Learning optimization.	Artificial Intelligence - Machine Learning	02
5	Dr. Amar Arora	Assistant Professor	AI in Cloud Infrastructure, AI in Cloud Management, AI in Cyber Security, Security in Data Warehouse Security in Web services architecture		02
6	Dr. Sanjay Kumar Singh	Assistant Professor	Machine Learning, Deep Learning, Computer Vision, Medical Image Processing, Swarm Intelligence		3
7	Dr. Amit Choudhary	Assistant Professor	Machine Learning, Soft Computing, Data Science, Deep Learning, Computer Vision		3
8	Dr. Atul Tripathi	Assistant Professor	Machine Learning, Deep Learning, Nature Inspired Computing & Quantum Computing, in AI, Computer Vision		2
9	Dr. Renu Dalal	Assistant Professor	Wireless Network, Machine Learning, Security, Big Data, Blockchain, and Data Science.		2
10	Dr. Manisha Parlewar	Assistant Professor	Machine Learning, Signal and Image Processing, Data Science, Deep Learning, Computer Vision		4
11	Dr. Sumit Chaudhary	Assistant Professor	Surface engineering and Tribology, Advanced Materials, Additive manufacturing (3D printing), Advanced Manufacturing	Automation and Robotics	4
12	Dr. Ravi Hutola	Assistant Professor	Advanced Manufacturing, Robotics and Automation		3
13	Dr. Rajendra	Assistant	3D printing.		3

	Arta	Professor	Robotics & Automation, Mechatronics systems, Advanced Manufacturing, Advanced Materials, Microfluidics, etc.		02
14	Dr. Pooja Kumar Baghel	Assistant Professor	Welding Technology, Production Automation, Modeling and Simulation, Application of Design of Experiments		02
15	Dr. Khyati Chopra	Assistant Professor	Wireless Security, Handling Smart IoT Applications using Machine Learning/AI, Game Theory, Cognitive Communication	Industrial Internet of Things	02
16	Dr. Manoj Kumar	Assistant Professor	Advanced semiconductor devices characterization, modeling, and simulation, Radiation Effects (Gamma, heavy ions, and Neutrons) in advanced semiconductor Devices, Neuromorphic computing, Semiconducting Qubits, and peripheral Cryogenic Electronics, FPGA-based hardware-level security for IoT, Semiconducting Sensors for IoT, Brain Computer Interface-based IoT Systems		02
17	Dr. Neeta Singh	Assistant Professor	Antennas, Microwave devices, RF Energy Harvesting for IoT devices, Reconfigurable, Wireless Power Transmission, green energy communication using Machine Learning		3
18	Dr. Ghansendra Kumar	Assistant Professor	Fiber-optic communication system, Fiber-Wireless communication, Electronics Engineering		02
19	Dr. Subhash Numanpure	Assistant Professor	TiHs Detector, IR Detector, TiHs imaging, 6G communication, IoT devices, homeland security, Topological Insulator, MOFs, Supercapacitor, Superconductivity		

#### University School of Education

Sl. No.	Name of the Supervisor	Designation	NO OF SLOTS 2024-25
1	Prof. Saroj Sharma	Professor	02
2	Dr. Shalini Yadava	Associate Professor	01
3	Dr. Anjali Shokeen	Associate Professor	03

  
(Dr. Zubair Ahmed Khan)  
Associate Director (RDC)

#### Copy to

- In-charge, UITS (for uploading on University website).
- Guard File.

  
(Deepak Kumar)  
Section Officer (RDC)