



**ABV Indian Institute of Information Technology and Management Gwalior**  
(An Institution of National Importance under MoE, Government of India)  
Morena Rd, IIITM Campus, Gwalior, Madhya Pradesh 474015

**Ref: ANRF/ECRG/2024/001642/ENS**

**Date: 20<sup>th</sup> June 2025**

**Advertisement for the JRF Position in the ANRF Sponsored Project (ANRF/ECRG/2024/001642/ENS)**

Applications are invited from eligible candidates as a Junior Research Fellow (JRF) to work on the following project sponsored by ANRF (ANRF/ECRG/2024/001642/ENS) under the supervision of Dr. Gaurav Sharma, **ABV-IIITM, Gwalior (An Autonomous Institute under MHRD, Govt. of India)**. The position is initially for **one year**, which may be extended for up to two additional years based on performance or till the completion of the project, whichever is earlier. The candidates can be enrolled in the Ph.D. program as per the institute norms. The details related to the project are as follows:

<b>Project Title</b>	<b>Development of Secure Mixed Terahertz-Underwater Wireless Optical Communication Systems for Naval Applications</b>
<b>About the Project</b>	This project aims to develop a secure mixed THz/UWOC communication system for naval applications, focusing on physical layer security under partial secrecy regimes. It will quantify information leakage in the presence of eavesdroppers using metrics such as secrecy outage, equivocation, and leakage rate, while accounting for channel fading, antenna misalignment, and hardware impairments to ensure confidentiality in defense-critical underwater environments.
<b>Principal Investigator (PI)</b>	Dr. Gaurav Sharma
<b>Fellowship</b>	Rs. 37000 + HRA (18%)
<b>Essential Qualifications</b>	<b>Postgraduate Degree (M.E./M.Tech./M.S.)</b> in Electronics and Communication Engineering / Computer Science / Information Technology / Electrical Engineering or related fields <b>OR</b> <b>Graduate Degree (B.E./B.Tech.)</b> in the above disciplines <b>with a valid GATE score</b> <b>OR</b> <b>Postgraduate Degree in Basic Sciences</b> (such as Physics, Electronics, Computer Science) <b>with a valid NET/GATE qualification</b>
<b>Desirable Qualification</b>	<ul style="list-style-type: none"><li>• Strong mathematical background.</li><li>• Good knowledge of the fundamentals in wireless communication and AI/ML techniques.</li><li>• Proficiency in MATLAB/Python/MATHEMATICA programming.</li></ul>
<b>Application Deadline</b>	<b>20<sup>th</sup> July 2025</b>
<b>Date of Interview</b>	Only shortlisted candidates will be informed by e-mail about the interview date. No TA/DA will be provided for attending the interview.

**Application Procedure:**

- Candidates are requested to send their detailed CV, including their academic details with percentage/CGPA, research works/projects, and work experience (if any) along with application form (attached as Annexure I) to [gsharma@iiitm.ac.in](mailto:gsharma@iiitm.ac.in) with the subject line as “**Application for the JRF position in the ANRF sponsored project (ANRF/ECRG/2024/001642/ENS).**”
- Only shortlisted candidates will be informed through email for an interview. The interview will be conducted in person in offline mode at ABV-IIITM Gwalior.

**Notes:**

1. The duration of the position extends for a maximum of three years. If the candidate performs unsatisfactory, the position can be terminated with 1-month notice.
2. Selected candidates can be enrolled in the Ph.D. program as per the institute norms.

**Dr. Gaurav Sharma (PI)**

Assistant Professor

ABV-Indian Institute of Information Technology and Management (ABV-IIITM), Gwalior,

An autonomous Institute under MHRD, Govt. of India)

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**Application for the Post of Junior Research Fellow (JRF) in ANRF Sponsored Project Titled “Development of Secure Mixed Terahertz-Underwater Wireless Optical Communication Systems for Naval Applications”**  
**(Project No.: ANRF/ECRG/2024/001642/ENS)**

**Applicant’s Details:**

1.	Name			PHOTO
2.	Father’s Name			
3.	Mother’s Name			
4.	Male/Female			
5.	Address	Correspondence:	Permanent:	
6.	Contact Details	Email ID:	Phone Number:	
7.	Age:	Date of Birth:	Age as on the closing date of Advt:	
8.	Nationality:	Caste: GEN/SC/ST/OBC (Attach supporting documents)		
9.	Languages Proficiency	Mother tongue:	Other languages:	

**10. Educational Qualifications:**

**(Supporting documents should be submitted along with the application as a single PDF file)**

Degree/Certificate	Institute/University/Board/College	Year	Subjects	Percentage/CGPA	Class
10 <sup>th</sup>					
(10+2)					
Graduation					
Post Graduation					
GATE/NET (as applicable)	Details of GATE	Year:		Rank:	
	Details of CSIR-UGC-NET	Year:		Score:	

**Declaration:** I hereby declare that the entries made in this application form are correct to the best of my knowledge and belief. I would also submit my latest CV along with this application.

Place:

Date: (Signature of the applicant)