



ABV-IIITM Gwalior invites Training and Skill Internship for PG/Research Scholar on Design and Development of Hybrid Antenna for 6G and Beyond Applications

(Under the वृतिका Scheme - A SERB initiative)

(वृतिका) Training and Skill Internship Period: 1st Dec – 31st Dec 2022

Funded by: Science and Engineering Research Board (SERB), Department of Science and Technology, Government of India, under the Accelerate Vigyan Scheme

Organized by: ABV- Indian Institute of Information Technology & Management Gwalior, India

About ABV-IIITM Gwalior

ABV-Indian Institute of Information Technology and Management (IIITM) in Gwalior, Madhya Pradesh is an autonomous institute set up by Ministry of Human Resource Development (MHRD), Govt. of India in 1997. It is an effort by MHRD towards creating professionals in areas of management and information technology from the same institute. This institute was created for facilitating higher education, research, and consultancy in areas of information technology (IT) and business management. The institute is located on a 150-acre campus. The campus boasts of a huge biodiversity including variety of plants with medicinal properties. The Institute has established research collaborations with various Universities in USA, France, and Japan. The Institute has also developed industrial linkages with various research labs and industries. The students of the Institute are publishing their research work in various national/international conferences and journals of repute. For all round development of students, various technical, cultural and sports related events are organized throughout the year. Institute is ISO 9001:2008 and NAAC 'A' certified. It has also been declared as Institute of National Importance by the Government of India. Institute secured 164th ranked in the World and 1st rank in India in 2017 UI Green Metric World University Rankings evaluated by Universitas Indonesia in 2017. For more information, please visit <https://www.iiitm.ac.in/>

About the Internship

VRITIKA' is the call for initiation and practice in science through Training and Skill Internship. This program aims to provide opportunities to promising PG/Ph.D students from universities and colleges to get exposure and hands-on research skill development experience. The program is meant to support motivated PG/Research Scholar, who are having a strong willingness to get excellence in their scientific and engineering research pursuits. **Students or the participants have to work on the live project given by the Faculty Co-ordinator or Event Organizer. This internship will be evaluated on the basis of the project assigned to them. This program is intended to provide opportunity for young researchers to enrich their knowledge in the area of hybrid antenna design for 6G and beyond communication such as:**

1. Focus on Recent Trends in Antenna for 6G Communication.
2. To provide a comprehensive overview of the fundamental concepts 6G MIMO Antennas.
3. Designing of Microstrip patch antenna for 6G and beyond communication.
4. To provide the latest challenges in designing of Dielectric Resonator Antennas (DRA) for 6G and beyond Communication with ML and Deep Learning optimization.
5. Combining both Microstrip patch antenna and DRA to make hybrid structure as an open problem for research in related areas.

Who can attend: Vritika is open to PG/Ph.D students from all Institutes, Colleges and Universities. Preference will be given to the students having interest towards Antenna Design, Graphene Interconnects, and HFSS Simulator. **Total number of seats is limited to 5. The selected candidates will be Provided with support in the form of Travel (3AC), stationery, consumables, accommodation, food etc., as per institute/SERB norms.** The applicants have to submit the NOC ([Download Format Link](#)) from the supervisor/HoD/Head of the institute. **There is no registration fees.**

How to Apply? <https://forms.gle/goTnNqh8jw3bKyJy5>

Resource Persons:

Dr. Pinku Ranjan, ABV-IIITM Gwalior
Dr. Somesh Kumar, ABV-IIITM Gwalior

Important Dates

Registration opens

Nov 15, 2022

Last date for application

Nov 25, 2022

Display of shortlisted candidates

Nov 26, 2022

Internship Dates

1st Dec – 31st Dec, 2022

Event Organizer

Dr. Pinku Ranjan
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