

## About this Internship:

This internship programme aims at enhancing the academic, technological, and intellectual capacities of students and research scholars by providing enough resources and inputs by the learned academician & industry experts.

It will strengthen the academic development of the students and research scholars directly in their projects and research and also upgrade software tool skills too.

This internship will provide a platform for learning recent advances in modeling and simulation, algorithm development, graphics engineering and data analysis with their application in various domains.

## Resource Persons:

- **Dr. Chandni Tiwari**, Graphics Era University, Dehradun, Uttarakhand
- **Dr Varun Mishra**, ECE, Graphics Era University, Dehradun, Uttarakhand
- **Anurag Banoudha**, E Brains Tech, Lucknow, U.P.
- **Dr. Piyush Charan**, ECE, Manav Rachna University, Faridabad, Haryana
- **Dr. Yusuf Yasin**, ECE, Lucknow, U.P.

## Eligibility:

B.Tech students of the Institutions/ Universities can apply for the programme. However, research scholars/ M.Tech. students with an ambition to explore the software tool skill are also welcome.

## Major Course Contents (120 Hours):

- Math and computation
- Algorithm development
- Modeling and simulation
- Data analysis, exploration, and visualization
- Scientific and engineering graphics
- Application development including Graphical User Interface building

## Activity:

**Contact Hours:** Online Lectures (Video-Conferencing), Discussion & Hands on Practices (120 hours).

**Online Activity:** Online Quiz/Assignment (08 Hours).

## Certification:

An E- Certificate will be provided to every participant on successful completion of Internship Programme i.e. after at least 80% attendance and securing > 60% marks in online quiz/assignment.

## Registration Link:

- No Registration Fee
- Registration Link: <https://rb.gy/bncx4>



## Important Dates:

- Last date (online Registration): 23.09.2023



## Five-Week Equivalent Blended Internship Programme

## On Application of MATLAB in Engineering

25 September to 28 October 2023

*Organized by:*  
**Department of Electronics and Communication  
Engineering,**  
**Integral University, Lucknow**  
**Kursi Road, Lucknow, Uttar Pradesh 226026**  
<https://iul.ac.in>



### About Integral University

Integral University, a seat of educational excellence, is a premier university in Lucknow, the capital city of the state of Uttar Pradesh, India. The State Government established it under Act Number 9 of 2004. The University Grants Commission (UGC) under sections 2 (f) and 12B of the UGC Act approve the University, 1956, Medical Council of India, Pharmacy Council of India, Indian Nursing Council, Council of Architecture, Bar Council of India, Indian Association of Physiotherapists, National Council for Teacher Education, UP State Medical Faculty and Distance Education Bureau. Integral University is accredited by NA AC, SIRO by the Department of Scientific & Industrial Research, Ministry of Science & Technology, and Government of India. University has marvelous ambience and academically, lively and vibrant environment, highly conducive to higher and dedicated academic pursuits. The university is committed to generating, disseminating, and preserving knowledge.

### About Lucknow

Lucknow is the capital and the largest city of the Indian state of Uttar Pradesh. It has been known as the city of tehzeeb, culture, art, music, poetry, literature, food and embroidery to technology, finance and pharmaceuticals. All this has ensured its prominence as a center of business and industry, education and research as well as tourism. Lucknow's period charm, together with lingering traces of its famed courtly etiquette, sets it apart from other cities in India. Lucknow, today, is an amalgam of the ancient and the modern, both existing side by side to give special flavor to the city.



### About the Department of Electronics and Communication Engineering (ECE)

The Department of Electronics and Communication Engineering is one of the oldest departments of this University, Established in 1998. The department secured NBA accreditation in 2007. The department has distinguished itself with its alumni spread all over the world. Equipped with the most advanced labs, this department nurtures young minds & provides them the appropriate launch pads to grow and excel in the technical world. The department offers Bachelor of Technology, Master of Technology and Doctoral Degree.

### Vision of the Department

To envision the escalation of students in the sphere of Electronics & Communication Engineering, through an effective teaching learning process and quality research, to hone their competence on an international rostrum with sound technical, interpersonal, analytical, managerial skills and professional ethics.

### Mission of the Department

- To inculcate a scientific temper in the students towards research in Electronics & Communication Engineering.
- To provide the students an environment of academic freedom that will insure an exchange of ideas and dissemination of knowledge in the domain of Electronics and Communication Engineering through effective teaching.
- To advance and spread the knowledge in the areas of electronics, communication, signal processing, instrumentation, and very large-scale integration leading to creation of wealth and welfare of humanity.
- The department offers state-of-the-art infrastructure for effective teaching-learning process and for achieving excellence in research.
- To create awareness & arouse an insatiable thirst for life-long learning through interaction with the external world regarding contemporary issues, technological trends and entrepreneurship.

### CHIEF PATRON

Prof. S.W. Akhtar, Founder & Chancellor, IU, Lucknow

### PATRON

Dr. S. Nadeem Akhtar, Pro-Chancellor, IU, Lucknow

Prof. Javed Musarrat, VC, IU, Lucknow

### CO-PATRON

Prof. Mohd. Haris Siddiqui, Registrar, IU, Lucknow

Prof. T Usmani, Dean Engineering, IU, Lucknow

Prof. S. H. Saeed, HoD, IU, Lucknow

Prof. N. R. Kidwai, Deptt. of ECE, IU, Lucknow

### CONVENORS

- Dr. Tarana Afrin Chandel  
(8737018206, tarana@ul.ac.in)

### CO-CONVENORS

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### ORGANIZING COMMITTEE

- Dr. M.Y. Yasin
- Dr. S. Kumar
- Dr. I. U. Khan
- Dr. Saima Beg
- Ms. Nupur Mittal
- Mr. Mohd. Javed Khan
- Mr. Saif Ahmad
- Mr. Qazi Saeed Ahmad