

Summer Internship 2025 **on** **Machine Learning & Its Applications in IoT and Cloud**



Organized by

Department of Computer Science & Engineering, GCEK Bhawanipatna

3rd June to 2nd July 2025

Faculty Coordinators

Dr. A. K. Bhoi

Dr. R. P. Nayak

Dr. D. R. Nayak

About GCEK

Government College of Engineering, Kalahandi established in the year 2009 by an act of Govt. of Odisha and is functioning as an affiliated college of BPUT, Odisha. The institute is located at the district headquarter of Kalahandi, i.e. Bhawanipatna. The exact location is besides the NH 201(Bargarh-Boriguma), about 5 Km away from Bhawanipatna on the way to Junagarh.

About Department of CSE

Department of Computer Science & Engineering is started in the year of 2009 to cater the needs of the Western Odisha region. The department offers students an undergraduate program which is affiliated to Biju Patnaik University of Technology (BPUT), Rourkela. Here the students gain breadth and depth of knowledge in a multitude of computing specialities and are well prepared for industry positions as well as academic positions. The current student intake capacity is 60.

About the Internship

The Summer Internship 2025 on Machine Learning & Its Applications in IoT and Cloud offers an exciting opportunity to explore the integration of cutting-edge technologies. Participants will gain hands-on experience in developing machine learning models, applying them to Internet of Things (IoT) devices, and leveraging cloud computing platforms to enhance data processing and scalability. This internship aims to provide deep insights into the real-world applications of AI and IoT, empowering interns to solve complex problems and contribute to innovations that drive the future of smart technologies.

Eligibility Criteria

Students pursuing B.Tech (1st, 2nd, and 3rd year), BCA, B.SC., M.Sc., Other Interested Students.

Selection Criteria

Selection will be done based on first-come-first-serve basis to a maximum number of 50. Certificates will be issued after successful completion of the internship program.

How to Apply

Interested Participants are requested to fill up the google form by clicking on the below link on or before **1st June 2025**. Physical registration will be done on date **2nd June 2025** after payment of **Rs 500/- (five hundred)** only.

<https://forms.gle/Z9YZG9WxcsdeRqxt5>

Accommodation & Food

Hostel accommodation will be provided to outside participants on request with **extra payment of Rs. 600/** which does not include food charges. Food facility will be available at hostel on extra payment basis.

Week Wise Course Plan

Week 1: <ul style="list-style-type: none">• Introduction to machine learning• Difference between Artificial Intelligence and Machine Learning• Basics of Neural Networks• Challenges of Machine Learning	Week 2: <ul style="list-style-type: none">• Introduction to IoT• Applications of IoT• Challenges of IoT• ML in IoT
Week 3: <ul style="list-style-type: none">• Concepts of Cloud Computing and its evolution.• Application, Advantages and disadvantages• Types and Services of Cloud Computing• Underlying technologies in Cloud Computing• Major Cloud Service Providers in Cloud (AWS, Google, Salesforce.com, Aneka Cloud)	Week 4: <ul style="list-style-type: none">• Applications• Presentation• Evaluation and Certificate Distribution

Contact Details

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