



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE, WARANGAL

(An Autonomous Institute under Kakatiya University, Warangal)

NIRF-2025: Band 201-300; Accredited by NAAC with 'A' Grade

4-WEEK

SUMMER INTERNSHIP ON DIGITAL TRANSFORMATION ESSENTIAL (DATA + AI + CLOUD)



DURATION

4 WEEKS
27 May 2026
TO
16 June 2026



TIMINGS

9:00 A.M
TO
1:00 P.M



MODE

HYBRID
MODE



ELIGIBILITY

Open to
Students of
All Branches &
Semesters



REGISTRATION FEE

₹2000/-
Per Participant



CERTIFICATE

ON SUCCESSFUL
COMPLETION

PROGRAM MODULES



DATA FUNDAMENTALS

Databases, SQL, Data Analytics,
Data Governance & Security



AI FUNDAMENTALS

Machine Learning, Deep Learning,
Generative AI, Responsible AI &
AI-powered Applications



CLOUD FUNDAMENTALS

Cloud Computing, Azure Services,
Cloud Security, Deployment,
Monitoring & Cost Management

INTERNSHIP HIGHLIGHTS

- ✓ Hands-on Labs & Real-world Projects
- ✓ Industry Relevant Tools & Technologies
- ✓ Learn from Experienced Faculty
- ✓ AI-powered Applications & Cloud Platforms
- ✓ Case Studies & Mini Projects
- ✓ Enhance Technical & Problem Solving Skills
- ✓ Certificate on Successful Completion

OBJECTIVES

To provide students practical exposure in Data, AI and Cloud technologies and equip them with industry-ready skills through hands-on training, projects and expert guidance.



SCAN TO
REGISTER

Limited Seats
Register Now!



RESOURCE PERSON

IT INDUSTRY EXPERT

From Leading
IT Organization



CONVENER
Dr. P. Niranjana Reddy
HOD of CSE Department



CO-ORDINATOR & CONTACT
Dr. N. C. Santosh Kumar
Asst. Professor, Dept. of CSE
☎ +91 9948838482



VENUE
BLOCK II - IBM LAB
KITS Warangal

LEARN

BUILD

DEPLOY

SUCCEED

Empowering Students for a Digital Future

"Four Week Summer Internship

Programme (Training and Development)

**"Digital Transformation
Essential (Data + AI + Cloud
)"**

27th May to 16th June, 2026

Registration Form

Name: _____

Roll Number: _____

College: _____

Branch: _____

Address: _____

WhatsApp Mobile No _____

E-Mail: _____

Signature of the Participant:

Date: _____ Place: _____

Note: Participants need to maintain full attendance

Mr./Ms. _____ b
earing Roll No. _____ is permitted to
attend Internship / Training Programme at KITS Warangal
during 27th May to 16th June, 2026.

Principal / HoD sign with Seal

MODE OF CONDUCTION: Hybrid Mode

The Internship / Training Programme will be conducted in **Hybrid Mode**, comprising offline classroom sessions, expert lectures, practical laboratory exercises, demonstrations, and guided hands-on activities. The programme is designed to provide participants with both conceptual understanding and practical implementation experience in the domains of **Data, Artificial Intelligence, and Cloud Computing**.

CERTIFICATION:

Certificates will be issued to those participants who attend all the sessions of the programme and complete the project as per the norms of the Internship.

Chief Patron

Capt. V. Lakshmikantha Rao, Ex-M.P. (Rajya Sabha)
Chairman, KITS Warangal (KITSW)

Patron

Sri. P. Narayana Reddy, Treasurer, KITSW

Chairman

Prof. K. Ashoka Reddy, Principal

Convener:

Prof. P.Niranjan , Head, Dept. of CSE

Coordinator:

Dr. N.C.Santosh Kumar, Asst.Professor, Dept. of CSE

Organizing Committee Members:

Dr. C. Srinivas, Assoc. Professor, Dept. of CSE

Dr. B. Raghuram, Assoc. Professor, Dept. of CSE

Supported by:

R. Rajesh, Asst. Professor, Dept. of CSE



"Four-Week Summer Internship

Programme (Training and Development)

**"Digital Transformation
Essential (Data + AI + Cloud
)"**

**Organized
by**

Department of CSE

27th May to 16th June, 2026



Coordinator:

Dr. N.C.Santosh Kumar, Asst.Professor, Dept. of CSE

Organized by

DEPARTMENT OF Computer Science & Engineering

Kakatiya Institute of Technology & Science,

Warangal (An Autonomous Institute under Kakatiya

University) (Accredited by NAAC with 'A' Grade)

Opp: Yerragattu Gutta,

Hasanparthy (M),

Warangal-506015 (TS), INDIA.

ABOUT THE INSTITUTE

Kakatiya Institute of Technology and Science, Warangal popularly known as **KITSW**, was established in 1980 by **Ekasila Educational Society (EES), Warangal**, a philanthropic society, with a primary objective of providing quality technical education. KITSW is recognized by the AICTE and also under section 2(F) and 12(B) of UGC act 1956. The UGC has granted autonomous status in 2014 under Kakatiya University (KU), Warangal. It is accredited by NAAC with A grade (CGPA: 3.21) and all the UG engineering programmes are accredited by NBA, New Delhi. KITSW is Located in 68 acres of lush green sprawling campus, it is one of the premier institutes of Telangana. Over the years, it has attracted academicians of proven competence onto its faculty, augmented the infrastructural facilities, modernized laboratories, placed its products in reputed organizations all over the world and thus received recognition in industry and academia. At present, it is offering UG in nine branches of engineering, PG in six engineering specializations and MBA. The KU recognized CE, ME, E&I, CSE, ECE and EEE departments as research centers for PhD programmes.

ABOUT DEPARTMENT OF CSE:

The Department of Computer Science and Engineering at KITS Warangal is committed to delivering **world-class education, training, and research** to meet the ever-evolving needs of industry and society. With a perfect blend of **renowned, experienced, and dynamic faculty**, the department offers quality programs at **Undergraduate, Postgraduate, and Doctoral levels**. Our UG curriculum is broad-based and regularly updated, while our PG and research programs offer in-depth specialization and innovation. Equipped with **state-of-the-art laboratories**, the department ensures hands-on experience and exposure to **cutting-edge technologies**. With strong industry collaboration, the department actively engages in **real-time projects, consultancy, and research**, fostering the development of solutions with **social, economic, and environmental impact**. Together, we strive towards becoming a **Centre of Excellence in Computer Science and Engineering**.

About Internship / Training Programme:

This internship programme is designed to provide students with practical knowledge and hands-on exposure to modern digital technologies that are transforming industries worldwide. The programme focuses on the core areas of **Data Technologies, Artificial Intelligence, and Cloud Computing**, enabling students to build strong foundational and industry-oriented skills.

The internship aims to bridge the gap between academic learning and real-world technology applications through interactive sessions, practical labs, mini-projects, and guided hands-on activities. Participants will gain exposure to modern tools, cloud platforms, AI-powered applications, and data-driven workflows that are widely used in today's technology ecosystem.

The programme is structured into three major learning modules:

- **Data Fundamentals** – covering databases, SQL, structured and unstructured data, analytics concepts, and data governance.
- **AI Fundamentals** – introducing Machine Learning, Deep Learning, Generative AI, Responsible AI, and AI-powered applications.
- **Cloud Fundamentals** – focusing on cloud computing concepts, Azure services, cloud security, deployment models, monitoring, and cost management.

Throughout the internship, students will participate in hands-on lab sessions, mini-projects, and case-study-based learning activities to strengthen their technical and problem-solving abilities. The programme also introduces students to emerging technologies such as AI chatbots, prompt engineering, cloud-based AI services, and real-time data integration workflows.

The internship will be conducted within the department premises, with all necessary arrangements and support coordinated by **Dr. N.C. Santosh Kumar**, Assistant Professor, who will serve as the primary coordinator. He will be assisted by **Sri R. Rajesh** from the department.

Objective of the Internship / Training Programme:

The objective of this Internship / Training Programme is to:

- Provide hands-on exposure to Data, AI, and Cloud technologies.
- Develop practical knowledge in databases, AI tools, and cloud platforms.
- Enable students to work on real-world case studies and mini-projects.
- Familiarize students with AI-powered applications and cloud services.

Benefits and Outcomes of the Internship / Training Programme:

- Hands-on learning experience in modern technologies.
- Practical exposure to AI and Cloud-based tools.
- Experience with real-world applications and workflows.
- Enhanced teamwork and project implementation skills.

Major Contents of the Internship / Training Programme:

- Data Fundamentals
- AI Fundamentals
- Cloud Fundamentals

Internship / Training Fee:

- Rs. 2000 per each participant including GST to be paid towards registration for Internship / Training for 6 weeks.
- Registration fee includes training material, certificate of participation.
- No TA / DA will be provided to outstation participants.
- Accommodation & Food for outstation participants will be provided at institute hostels on payment basis.

Important Dates:

Course Duration: 27th May to 16th June, 2026

Resource Persons:

Experts from the IT industry

Address for Communication

Dr. N.C.Santosh Kumar,

Asst.Professor, Dept. of CSE

Kakatiya Institute of Technology & Science, Warangal

Email id: ncs.cse@kitsw.ac.in

Contact No: 9948838482



 **SBI Payments**

MERCHANT NAME: KAKATIYA INSTITUTE OF TECHNOL
UPI ID: KITSWARANGAL@SBI

SCAN & PAY






 
BHIM UPI

ISO 9001:2015
AICTE-CII: GOLD Category Institute
NAAC: 'A' Grade Institute (CGPA: 3.21)
NIRF-2021 Rank : 197



KAKATIYA INSTITUTE OF TECHNOLOGY & SCIENCE
Opp : Yerragattu Gutta, Hasanparthy (Mandal), WARANGAL - 506 015, Telangana, INDIA.
ఓగడగట్టి యెర్రగట్టి గుట్ట హసన్పర్థి మండలం, వరంగల్ - 506 015, తెలంగాణ, భారత్
कारकटिया इंस्टीट्यूट ऑफ टेक्नोलॉजी ऐंड साइंस, अहमदनगर - 506 015, तेलंगणा, भारत
(An Autonomous Institute under Kakattya University, Warangal)
(Approved by AICTE, New Delhi; Recognised by UGC under 2(f) & 12(B); Sponsored by EKASILA EDUCATION SOCIETY)
Estd: 1980
KITSW
website: www.kitsw.ac.in
E-mail: principal@kitsw.ac.in
+91 9392055211, +91 7382564888

DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING

Three-week Student Summer Internship Programme (SSIP)
on "Data Transformation Essential (Data+Cloud+AI)", 27.05.2026 to 16.06.2026

Key benefits to the students:

1. Three-week Internship certification
2. Hands-on exposure to Data, Cloud and AI technologies
3. Practical training on data pipelines and transformations
4. Experience in cloud platforms and deployment
5. Development of AI/ML solutions for real-world use cases
6. Enhanced problem-solving, analytical and industry-ready skills

SCHEDULE of SSIP- Data Transformation Essential (Data+Cloud+AI)

Venue: Block -5, IBM Lab

Week 1 – Data Fundamentals (DP-900)

Day	Topic	Objectives	Activities
Day 1	Core Data Concepts	Understand structured and unstructured data, transactional and analytical workloads, and data roles	✓ Introduction to data concepts✓ Create Students table in Azure SQL✓ Insert records and run basic SQL queries
Day 2	Relational Data Basics	Learn tables, keys, normalization, and SQL operations	✓ Practice SELECT, WHERE, ORDER BY✓ Perform JOIN operations✓ Execute aggregate queries
Day 3	Non-Relational Data	Understand NoSQL concepts and Azure storage services	✓ Upload CSV to Blob Storage✓ Explore Cosmos DB APIs✓ Query data using Fabric Lakehouse/Synapse
Day 4	Governance & Security	Learn RBAC, compliance, auditing, and resource governance	✓ Create Resource Group✓ Assign Reader role✓ Apply governance tags
Day 5	Data Fundamentals Review & Mini Project	Consolidate data management concepts	✓ Build mini data ingestion solution✓ Store data in SQL and Blob Storage✓ Submit governance checklist



Week 2 – AI Fundamentals (AI-900)

Day	Topic	Objectives	Activities
Day 1	AI Workloads & Responsible AI	Understand AI workloads and responsible AI principles	✓ Explore AI Studio✓ Image classification exercise✓ Responsible AI discussion
Day 2	Machine Learning Basics	Learn regression, classification, clustering, and evaluation metrics	✓ Train classification model✓ Evaluate accuracy and precision✓ Analyze model performance
Day 3	Deep Learning & Neural Networks	Understand CNNs, RNNs, and Transformers	✓ Explore pre-built AI models✓ Vision and NLP demonstrations
Day 4	Generative AI & LLMs	Learn transformer architecture and prompt engineering	✓ Azure OpenAI overview✓ Create FAQ chatbot✓ Prompt engineering practice
Day 5	AI Review & Mini Project	Apply ML and Generative AI concepts	✓ Deploy ML model✓ Demonstrate chatbot solution✓ Present project results



Week 3 – Azure Cloud Fundamentals (AZ-900)

Day	Topic	Objectives	Activities
Day 1	Cloud Concepts	Understand cloud computing models and shared responsibility	✓ Create Resource Group/ Deploy Virtual Machine/ Explore Azure Portal
Day 2	Azure Services Overview	Learn Azure compute, storage, networking, and database services	✓ Deploy Azure SQL Database/ Create Blob Storage Account
Day 3	Cost Management & Monitoring	Understand Azure pricing, budgets, and monitoring tools	✓ Use Pricing Calculator/ Configure budgets and alerts/ Monitor cloud usage
Day 4	Security & Compliance	Learn identity management and cloud security practices	✓ Configure RBAC roles/ Apply Azure Policies/ Review compliance features
Day 5	Cloud Review & Mini Project	Integrate cloud concepts into a practical deployment	✓ Deploy VM and Storage/ Configure monitoring/ Submit deployment report



Week 4 – Data + AI Integration & Capstone Project

Day	Topic	Objectives	Activities
Day 1	Data Pipelines & ETL	Understand ETL processes and data movement	✓ Connect Blob Storage datasets/ Design ETL workflow
Day 2	Data Integration & Processing	Learn batch and real-time processing concepts	✓ Process sample datasets/ Compare batch vs streaming workflows
Day 3	AI-Powered Data Analytics	Apply AI techniques to data-driven problems	✓ Analyze datasets using AI tools/ Generate insights and reports
Day 4	Capstone Project Development	Build an integrated Data + AI + Cloud solution	✓ Develop end-to-end project/ Test and validate solution
Day 5	Project Presentation & Assessment	Demonstrate complete solution and learning outcomes	✓ Project presentation/ Viva/Assessment/ Feedback and Certificate Distribution