"Six Week Summer Internship Programme (Training and Development)

"IDRS Institute Document Retrieval System (A real-time project)"

19th May to 29th June, 2025

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 19th May to 29th June, 2025.

Principal / HoD sign with Seal

MODE OF CONDUCTION: Hybrid Mode

This internship which is aimed at rebuilding a real time project named "IDRS" Institute Document Retrieval System (A real-time project). Using MERN Technology. To equip students with rigorous training offline and Development Hands on sessions will be conducted through hybrid mode, all the participants are informed to attend all the sessions without fail.

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*

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Convener:
Prof. P.Niranjan , *Head, Dept. of CSE*

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

Organizing Committee Members:
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Dr. B. Raghuram, *Assoc. Professor, Dept. of CSE*
Dr. P. Vijay Kumar, *Assoc. Professor, Dept. of CSE*

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Dr. B. Raju, *Asst. Professor, Dept. of CSE*
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B. Avinash, *Asst. Professor, Dept. of CSE*

"Six Week Summer Internship Programme (Training and Development)

{ Theme – Rebuilding IDRS }

"IDRS Institute Document Retrieval System (A real-time project)"

Organized by Department of CSE
19th May to 29th June, 2025

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 IKCON TECHNOLOGIES

At IKCON, we are a global technology company driving innovation through AI, Cloud, and Digital Engineering. We partner with businesses across industries to solve complex challenges, unlock new opportunities, and future-proof their growth. With a focus on agility, intelligence, and long-term impact, we deliver transformative solutions that turn today's ambitions into tomorrow's success. At IKCON, our mission is to empower organizations through intelligent, future-ready solutions that merge deep domain expertise with cutting-edge technology.

About Internship / Training Programme:

The Department of Computer Science and Engineering is organizing a **six-week internship program** on **Full-Stack Web Application Development**, scheduled to commence on **19th May 2025** and conclude on **29th June 2025**. This program is specifically designed to provide students with real-world project experience under the guidance of faculty software members and experienced professionals from the development industry.

The central focus of the internship will be the development of a real-time project titled **"Institute Document Retrieval System"**. This system aims to serve as a digital platform for efficiently **storing, retrieving, and managing academic documents and project reports** within the institution. The goal is to enhance institutional workflows while offering students hands-on experience in full-stack development.

The internship is structured into **two key phases**. The first phase comprises **two weeks of intensive training**, during which students will receive technical instruction in core full-stack technologies. The second phase includes **four weeks of guided project development**, where students will apply their knowledge to build the proposed system.

Throughout the internship, participants will gain practical experience in using **HTML, CSS, JavaScript, Node.js, Express, React, and MongoDB**. These tools are widely used in modern web development and will equip students with essential skills in both frontend and backend technologies.

This initiative is expected to significantly **enhance students' technical competencies**, while also promoting **teamwork, problem-solving, and project management skills**. It has been carefully aligned with academic standards and current industry requirements, ensuring students are better prepared for professional roles.

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** and **Sri B. Avinash** from the department.

Objective of the Internship / Training Programme:

The objective of this Internship / Training Programme is to:
- *Provide rigorous Training on MERN Full Stack*
- *Explore AI tools that can be placed on top of MERN stack*
- *Offer hands-on sessions with Application Use-Cases.*
- *Collaborative Teams to Re-Build IDRS*

Benefits and Outcomes of the Internship / Training Programme:
- *Hands-on training in full-stack technologies*
- *Practical project experience with real-time development*
- *Strengthening frontend & backend development skills*
- *Improved team collaboration & problem-solving capabilities*

Major Contents of the Internship / Training on MERN:

- *HTML, CSS, JavaScript*
- *Node.js, Express.js*
- *React.js (Frontend Framework)*
- *MongoDB (Database)*
- *Real-time Project Development (IDRS)*

Internship / Training Fee:

- *Rs. 1500 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: 19th May to 29th June, 2025

Resource Persons:
Syed Hussaini, Full Stack Engineer
Kranthi Kumar Mamidala, Full Stack Developer

Address for Communication
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