

## **KKR&KSR Institute of Technology and Sciences Vinjanampadu, Guntur, Andhra Pradesh-522017**

Approved by AICTE, New Delhi and Permanent Affiliation from JNTUK, Kakinada Accredited with "A" Grade by NAAC & NBA Accreditation Status for 4 UG (CSE, ECE, EEE, ME) Programs

### **Conducted 36 Hours Hackathon on Artificial Intelligence @ 01/02/2024 in Association with HackBots, Hyderabad.**

#### **About the Hackathon:**

An AI hackathon is a collaborative event where participants work on AI projects over a day or weekend. It brings together programmers, data scientists, and designers to innovate within a limited timeframe. Projects range from machine learning models to AI-powered applications. Goals include solving real-world problems and exploring cutting-edge AI technologies. Hackathons foster creativity, learning, and networking within the AI community. Participants gain hands-on experience, collaborate with others, and showcase skills to potential employers. Workshops, mentorship sessions, and expert presentations enhance the learning experience. Overall, AI hackathons are hubs for innovation and skill development in the field of artificial intelligence.

#### **About the Chief Guest: Mahan Rk ( HackBots, CEO )**

Mr. Mahaan Rk GARU, accomplished Robotics Product Research Engineer with a decade of experience in the field. His proficiency is deeply rooted in the fascinating territory of Robotics product research and development. In the domain of entertainment, he is a master of animatronics, skillfully crafting lifelike Robotic characters and creatures. Furthermore, his expertise in show control systems for amusement parks empowers him to artfully synchronize a multitude of elements during live shows, including Robotics, audio, lighting, and special effects, creating truly mesmerizing experiences.

Over the course of his distinguished career, sir has led numerous groundbreaking projects, redefining the possibilities in Robotic systems. Notably, sir is a proud member of the Indian Association of Amusement Parks and Industries and the All-India Robotic Association. Widely recognized as one of the country's most accomplished Imagineers.

We are very happy to have sir as a resource person for our 6-day workshop.

## 1. Objectives of the Hackathon:

2. **Innovation:** Encouraging participants to brainstorm and create innovative solutions.
3. **Skill Development:** Providing a platform for participants to enhance their technical skills, especially in AI and related fields.
4. **Collaboration:** Fostering teamwork and collaboration among participants with diverse backgrounds.
5. **Problem Solving:** Addressing real-world problems using AI technologies and methodologies.
6. **Networking:** Facilitating connections between participants, mentors, and industry experts.
7. **Learning:** Offering opportunities for participants to learn new tools, techniques, and approaches in AI.
8. **Creativity:** Encouraging out-of-the-box thinking and creative problem-solving.
9. **Prototype Development:** Building functional prototypes or minimum viable products within a limited timeframe.
10. **Community Engagement:** Engaging with the broader AI community and promoting awareness of AI advancements.
11. **Showcasing:** Providing a platform for participants to showcase their projects and receive feedback.

2. **Venue of the Event:** The event is organized on campus and conducted by KKR & KSR Institute of Technology and Sciences, Vinjanampadu, Guntur, Andhra Pradesh in association with SPARK

3. **Date & Time of the Event:** The Event is organized

4. **No. of students participated:** 210

5. **No. of faculties participated:** 7

6. **Event photographs.**



The poster features a light blue background with a grid pattern. At the top left is the KITS logo. In the center, the text reads 'Department of CSD' in green, 'A 36 Hours Hackathon on' in red, 'ARTIFICIAL INTELLIGENCE' in dark blue, and 'February 1<sup>st</sup> - 3<sup>rd</sup>, 2024' in green. Below this, it says 'VENUE: AICTE IDEA LAB' in red, 'KITS KKR & KSR INSTITUTE OF TECHNOLOGY & SCIENCES' in blue, and 'AUTONOMOUS' in red. At the bottom, the address 'VINJANAMPADU, GUNTUR, ANDHRA PRADESH - 522017' is listed. The poster is decorated with images of a brain with AI text, hands typing on a laptop, and a hand holding a glowing AI cube. Logos for the Institution's Innovation Council and SPARK are also present.



### **7. Benefits in terms of learning/Skill/Knowledge obtained:**

1. **Hands-on Experience:** Participants gain practical, hands-on experience working on real AI projects, which deepens their understanding of AI concepts and methodologies.
2. **Technical Skills:** Hackathons provide opportunities to sharpen technical skills such as programming, data analysis, machine learning, and AI model development.
3. **Problem-solving Abilities:** By tackling real-world challenges within a limited timeframe, participants develop critical thinking and problem-solving skills, honing their ability to identify and address issues efficiently.
4. **Collaboration:** Working in teams encourages collaboration and communication skills, as participants learn to leverage each other's strengths and expertise.
5. **Networking:** Interacting with mentors, industry professionals, and fellow participants expands professional networks, opening up opportunities for future collaboration and mentorship.
6. **Exposure to New Technologies:** Hackathons often involve experimenting with cutting-edge AI tools, libraries, and frameworks, exposing participants to the latest advancements in the field.
7. **Feedback and Iteration:** Receiving feedback from mentors and peers allows participants to refine their ideas and solutions iteratively, fostering continuous improvement and learning.

### **3. Promotion of the Event on the Social Media Website: (Link and Screenshot):**

[https://www.instagram.com/p/C23zmOyBRJJ/?utm\\_source=ig\\_web\\_copy\\_link&igsh=MzRIODBiNWFIZA==](https://www.instagram.com/p/C23zmOyBRJJ/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==)





**2. Expenditure Amount (If any):** Nil

**3. Remarks:** The event is organized smoothly with practical orientation.

**4. Experiences and Output of the Session Personal Projects:** Full-stack developers can independently work on personal projects from start to finish, bringing their ideas to life without relying on others. This autonomy is empowering and allows for creative exploration. Continuous Learning: The tech industry is constantly evolving, and full-stack developers need to stay updated with the latest trends and technologies in both front-end and back-end development. This encourages a culture of continuous learning and self-improvement. Better Communication Skills: Interacting with different teams and stakeholders necessitates effective communication. Full-stack developers develop strong communication skills, which are valuable in various aspects of their professional life. In summary, learning full-stack web development empowers individuals with the skills to create complete web applications, fosters adaptability, problem-solving abilities, and communication skills, and opens diverse career opportunities in the tech industry.