Rajiv Gandhi University of Knowledge Technologies
Basar, Nirmal, Telangana - 504107

IEEE STUDENT BRANCH

WORKSHOP

"Building Agentic AI Systems on the Cloud "

https://forms.gle/q2avdxK98CnL91Vm6

SCAN FOR REGISTRATION

Speakers :

Mr. Sairohith Thummarakoti

IEEE Section Chair – Computer Society, Columbia (USA)

Mr. Kelvin Nguyen Le

Software Engineer at Knoetic Columbia (USA)

01-09-2025 to 05-09-2025

5 PM 6 PM

Online Mode

IEEE Student Branch Counselor : Dr. Namani Rakesh

IEEE Student Branch Chair : G. Vamshi

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Rajiv Gandhi University of Knowledge Technologies, Basar
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IEEE Student Branch Present
5 Days Online Free Workshop on
Building Agentic AI Systems on the Cloud

Dates: 01-09-2025 to 05-09-2025
Duration: 01 hour /per day
Mode: Online

Who Should Attend

- Interested students, Faculty, Research scholars and Industrial persons

Registration Fee : Free for IEEE Members and Non IEEE Members

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SCAN FOR REGISTRATION

About the University :

Rajiv Gandhi University of Knowledge Technologies, Basar (RGUKT-B), is an autonomous institution located in Telangana. Known for its innovative six-year integrated B.Tech program, RGUKT nurtures young minds from rural and urban backgrounds with a strong emphasis on technical excellence and societal impact.

About the IEEE Student Branch:

The IEEE Student Branch empowers tech enthusiasts through innovation, global networking, and skill-building. It hosts workshops, seminars, and outreach programs, connecting students with professionals and resources. With career guidance, funding, and recognition, it fosters leadership and prepares students to excel in emerging technologies and real-world challenges.

Course Overview

This immersive workshop introduces participants to Agentic AI—a cutting-edge approach to building autonomous, goal-driven systems. Learn how to design agent-like flows, explore industry tools, and deploy intelligent systems on the cloud.

Speakers:

Mr. Sairohith Thummarakoti

IEEE Section Chair – Computer Society, Columbia (USA)

- He is a seasoned IT professional with over 10 years of expertise in Pega, cloud computing, and healthcare technology
- He holds both a Bachelor's degree in Electrical Engineering and a Master's degree in Computer Science.
- He currently works as a certified Lead System Architect at HCA Healthcare.
- He holds leadership roles, including Chapter Chair for the IEEE Columbia Section Computer Society.

Mr. Kelvin Nguyen Le

Software Engineer at Knoetic

- He is a Software Engineer at Knoetic, leading key initiatives in AI and distributed systems.
- He has built multi-agent systems with large language models to enable intelligent reasoning and knowledge retrieval.
- His previous experience includes engineering roles at Apple, Zuellig Pharma, and various startups.
- He holds a Bachelor of Engineering from Nanyang Technological University, Singapore, where he was a President Research Scholar.

Program Schedule :

Day 1 – Understanding Agentic AI

- Agent vs. traditional AI
- Traits: autonomy, goals, self-adjustment
- Evolution of agentic systems
- Real-world examples: AutoGPT, ChatGPT memory
- Cloud's role in agent memory and compute

Day 2 – Tools and Use Cases

- Applications in healthcare, business, robotics, education
- Tools: LangChain, Haystack, AutoGPT
- Enterprise platforms: Pega, Salesforce Einstein, IBM Watson
- Cloud APIs: OpenAI, Gemini, SageMaker

Day 3 – Explainable AI and Model Behavior

- Black-box vs. white-box models
- XAI techniques: rule tracing, feature importance
- Model fit: overfitting, underfitting
- Agent learning via feedback loops

Day 4 – Agent Logic with Pega

- No-code/low-code agent design
- Case life cycles, flow rules, decisioning
- Pega Decision Hub and Process AI
- Modeling autonomy in enterprise flows

Day 5 – Performance, Scaling and Capstone

- Real-time behavior challenges
- Monitoring tools: PAL, Tracer, Predictive Model Analyzer
- Cloud deployment tips: autoscaling, stateless agents
- Capstone project: design an agentic system

Certificate :

On successful participation and completion of workshop, all participants will receive an e-Certificate from IEEE Student Branch RGUKT Basar, in association with IEEE Hyderabad Section.

Organised by :

Faculty Co-ordinator :

Dr. NAMANI RAKESH

(Counselor -IEEE Student Branch)

Student Co-ordinator:

Mr. Vamshi.G

(Chair - IEEE Student Branch)

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