Seminar Experience: Learning Web Development & AI Chatbots

Empowering Web Development with React and .NET & Creating a Chatbot with Azure OpenAI

Date: 28-Feb-2025

Venue: Queen Mary's College (Autonomous), Chennai-4,

Organized By: PG-Department of Computer Applications

Speaker: Srinivasan Sekar from PRESIDIO

Attended By: 1st MCA & 3rd BCA Students

Faculty Members: Dr.P. Bagyalakshmi, Associate Professor & H.O.D.

Dr.J. Jacinth Salome
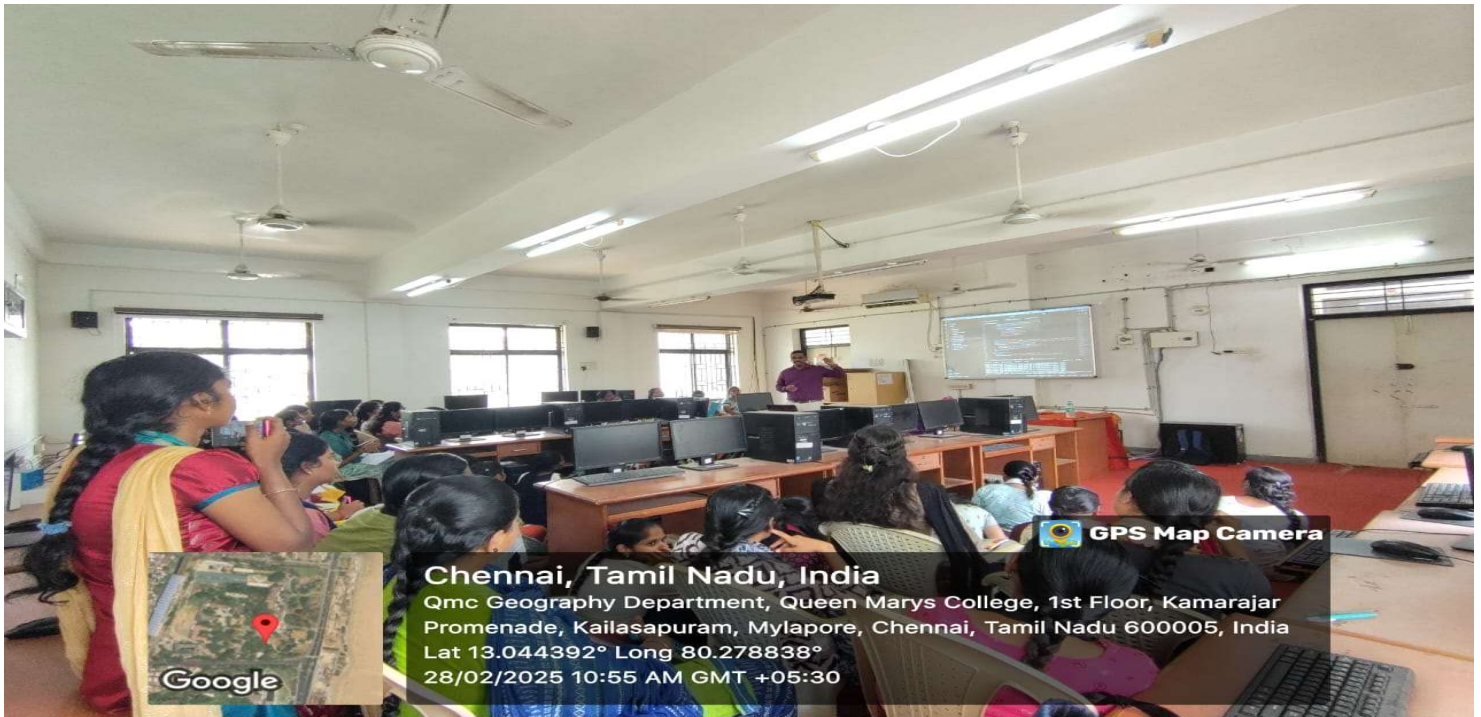
Dr.S. Vanaja

Dr.A. Punitha

Dr.T. Bhuvaneswari

Dr. Mary Metilda

Our Learning Journey

This seminar provided us, as students, with an incredible opportunity to explore:

- How **React and .NET** work together to build modern web applications.
- The fundamentals of **Artificial Intelligence** and **Azure OpenAI chatbots**.
- How these technologies are shaping **future career opportunities** in development.

Chennai, Tamil Nadu, India
Qmc Geography Department, Queen Marys College, 1st Floor, Kamarajar Promenade, Kailasapuram, Mylapore, Chennai, Tamil Nadu 600005, India
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Qmc Geography Department, Queen Marys College, 1st Floor, Kamarajar Promenade, Kailasapuram, Mylapore, Chennai, Tamil Nadu 600005, India
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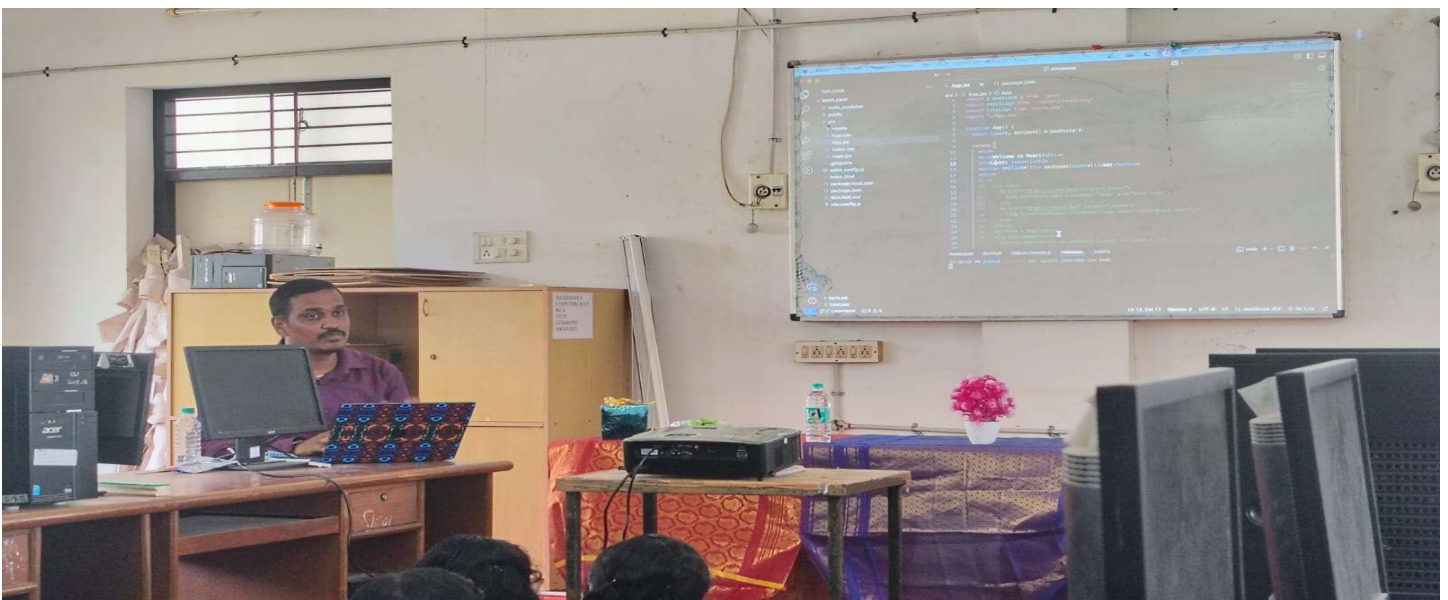# Session 1 - Creating a Chatbot with Azure OpenAI

Exploring AI Chatbots:

- Understanding **Generative AI and OpenAI models**.
- Learning to create a chatbot using **Azure OpenAI**.
- Seeing a **live demo** of a chatbot in action.
- Discussing how AI is transforming industries.

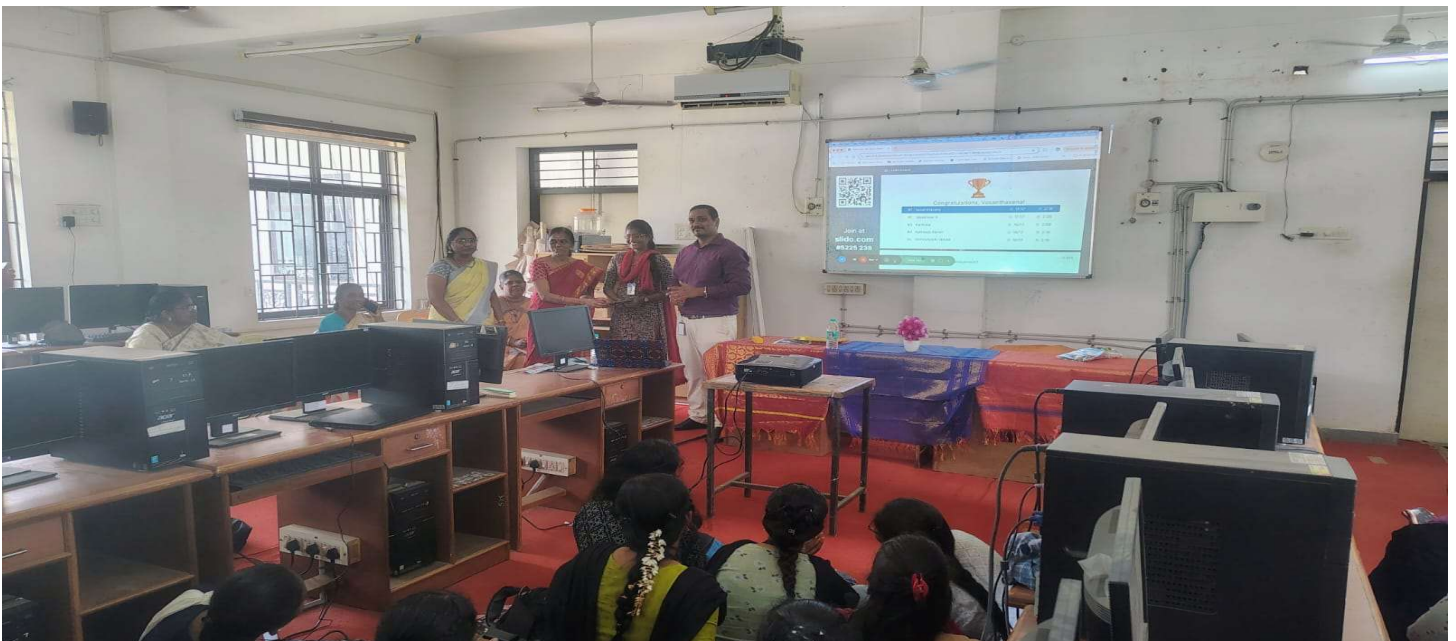# Session 2 - Web Development with React and .NET

What We Learned:

- Basics of **React** and **.NET** for full-stack development.
- Building interactive and scalable applications.
- How APIs connect the frontend and backend for seamless functionality.
- Best practices used in the **tech industry**.
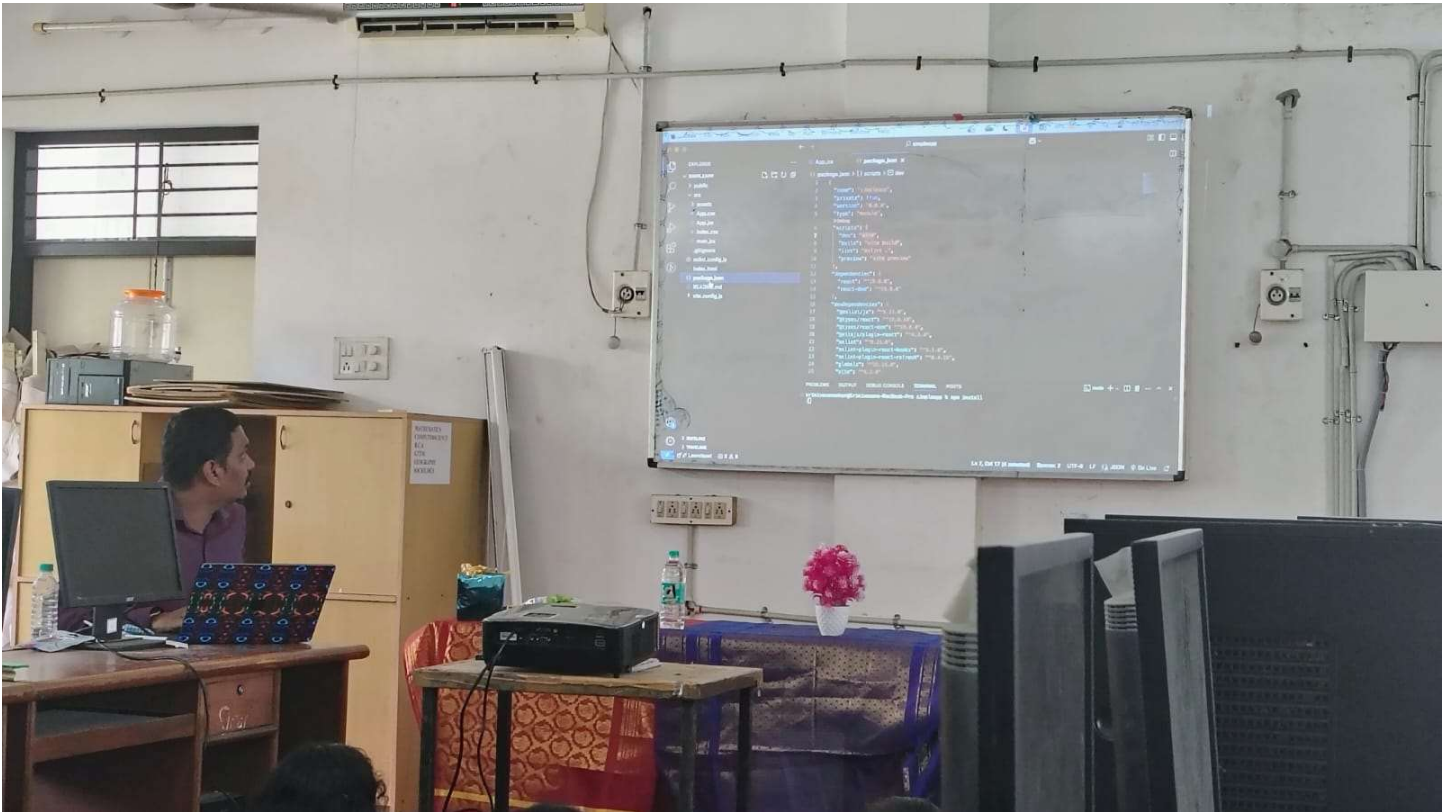
Student Interaction & Engagement

Key Moments:

- We had an engaging **Q&A session** where we clarified doubts about **React, .NET, and AI chatbots**.
- Real-world examples helped us connect theory to **practical applications**.
- Inspired to explore **personal projects** in web development and AI.

Key Takeaways for Us

- **Hands-on experience** with React and .NET for full-stack development.

- Learning how **AI chatbots** work and how they can be built.

- Gaining insight into **career opportunities** in web development and AI.

- Encouragement to work on **real-world projects and internships**.

Conclusion & Reflections

Our Experience:

This seminar was a valuable learning experience that helped us gain **practical knowledge** in **modern web development** and **AI applications**. The hands-on demonstrations made complex concepts easier to understand and apply.

Special Thanks To:

- **Queen Mary's College (Autonomous) and Faculty** for organizing this seminar.

- **Srinivasan Sekar from PRESIDIO** for sharing valuable insights and guiding us.

- **Our fellow students** for making this a collaborative and engaging session.

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5. HEMAVATHY S
6. JAYASHREE A
7. MANJUSHA J
8. NANDHINI B
9. POOJA R
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12. RAJESWARI B
13. RANJINI N
14. SIMRANU V
15. SINDHU S
16. SUPRIYA E
17. YASHITHA N
18. YUVASHREE M

BCA-3rd year

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Future Learning & Resources

For those of us interested in diving deeper into these topics, here are some useful resources:

React & .NET Tutorials:

- **React Official Documentation – https://react.dev**
- **Learn .NET (Microsoft Docs) – https://learn.microsoft.com/en-us/dotnet/**
- **Full-Stack React and .NET Core Tutorial – https://www.freecodecamp.org/news/full-stack-react-and-net-core-tutorial/**

AI & Chatbot Development:

- **Azure OpenAI Service – https://learn.microsoft.com/en-us/azure/cognitive-services/openai/**
- **Building a Chatbot with Azure OpenAI – https://techcommunity.microsoft.com/t5/ai-azure-ai/building-a-chatbot-with-azure-openai-and-bot-framework/**
- **OpenAI API Documentation – https://platform.openai.com/docs/**

Online Courses & Certifications:

- **Full-Stack Development with .NET and React (Udemy) – https://www.udemy.com/course/full-stack-react-dotnet/**
- **Microsoft Learn: AI & Machine Learning Path – https://learn.microsoft.com/en-us/training/paths/get-started-with-ai-on-azure/**
- **DeepLearning.AI – Chatbot Development with Generative AI – https://www.deeplearning.ai/short-courses/chatbots-with-generative-ai/**