Voice Recognition- Amazon Alexa

The workshop will be a hands on session where students will be required to bring their laptops.

Brief of the workshop:

Join us on 15th Dec to hear Alexa evangelists share details about Amazon Alexa, and talk about how you too can create voice enabled interfaces for your users with Alexa.

Amazon Alexa is the cloud based voice service that powers Amazon Echo, provides access to thousands of skills that enable customers to voice control their world, whether it's listening to music hands free, controlling their smart home devices with a simple ask of "turn on the lights," setting timers when their hands are busy in the kitchen, listening to the news in the morning as they get ready for work, or even ordering a pizza.

You don't need to have a background in natural language understanding (NLU) or speech recognition to build great voice experiences for Alexa. Through a series of free, self-service, public APIs like the Alexa Skills Kit and Alexa Voice Service, developers can build new skills for Alexa and integrate Alexa into their products and services.

Agenda with Timeline:

11.30 am - 12.15 pm [Intro to Alexa]
•   The future of voice-based experiences
•   Overview of Echo, Alexa, and the tools used to build Alexa skills

12.15 pm - 1.15 pm [Skill Building Basics]
•   Working with Intents, Slots, Sample
•   Handling Requests with AWS Lambda and Node.JS
•   Building your first skill

1.15 pm - 2.15 pm [LUNCH]

2.15 pm - 4.00 pm [VOICE DESIGN]
•   Designing for Voice
•   Brainstorming and flow diagrams
•   Build your skill from conversations

4.00 pm - 4.15 pm [TEA BREAK]

4.15 pm - 5.30 pm [New Features & APIs]
• New Alexa Skills Kit features and APIs
• Working with Session Attributes
• Building a skill with persistence
• Best practices (Calling cloud services, AWS Dynamo DB)

Workshop Requirements:
• Hall/Conference room with class room seating where students can place their laptops
• Power supply for students to charge their laptops
• Wi-Fi for each student

Workshop Prerequisites:
• Create an Amazon developer account.
• Create an AWS developer account.