- **Event Description :**

A brief Introduction to Google Cloud AI Products

Google Cloud's AI provides modern machine learning services, with pre-trained models and a service to generate your own tailored models. It is neural net-based ML service that has better training performance and increased accuracy compared to other large scale deep learning systems. Google Cloud's services are fast, scalable and easy to use. Major Google applications use Cloud machine learning, including Photos (image search), the Google app (voice search), Translate, and Inbox (Smart Reply).

This seminar is coming to illustrate these cloud services briefly including their key feature and small demo for each. In addition, the seminar will cover the initial procedures that are needed to activate and integrate google-cloud's services in your code as a developer.

- **TOC:**
  - Intro to Google Cloud AI
  - Google Cloud AI Products:
    - Cloud AutoML
    - Google Cloud TPUs
    - Google Cloud Machine Learning Engine
    - Google Cloud Job Discovery
    - Dialogflow Enterprise Edition
    - Google Cloud Video Intelligence
    - Google Cloud Vision API
    - Google Cloud Speech-to-Text
    - Google Cloud Text-to-Speech
    - Google Natural Language API
    - Google Cloud Translation API
  - Google Cloud : Installation and Setup
  - Next Roadmap & Conclusion

- **Presenter: Dr. M.-T. El Astal**

Dr. Astal received PhD. degree in Wireless Communications and DSP Engineering from UTAS, Australia in 2015. He received the M.Sc. and B.Sc. degree in telecommunication and control engineering from the IUG university, Palestine, in 2011 with top-score student and 2006, respectively. Over 10 years of experience in ICT fields, 10 years' experience in the most evolving field of ICT engineering. He has mentored, supervised and trained researchers, technicians and trainees in various aspects of ICT technologies and research. He have authored many IEEE articles (and others), presented work at numerous international conferences, given various invited talks & participated in numerous workshops. Currently, he is using his top-class experience in field of ICT to come up with technologies across various disciplines. His research interests are in wireless communications networks, multiple access channel, Space-Time coding, and DSP, particularly, using artificial Intelligence.