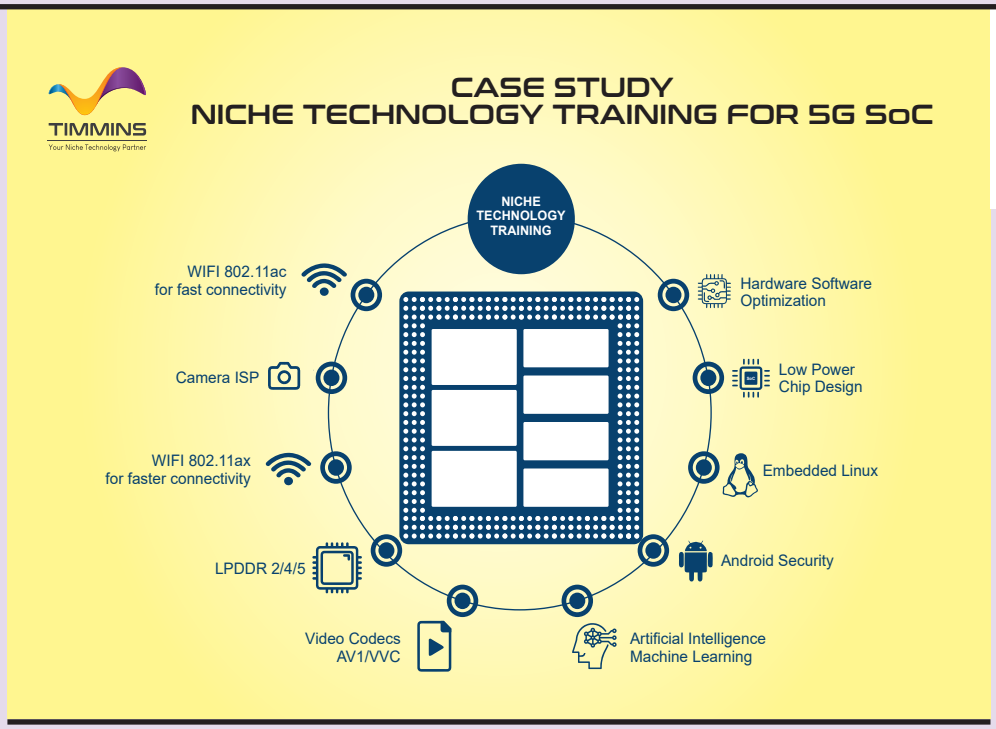
TIMMINS

Case Study

5G Mobile System on Chip (SoC) Technologies Development

Assisting innovation teams of a global leader in wireless technology and semiconductor manufacturing to bring their new and next-generation technology ideas to life.



About Timmins

Timmins is a premier enterprise that creates world-class training, staffing, and consulting solutions in niche technology. Since our launch in 2015, we have been trusted by top brands across the US, UK, Canada, France, Singapore, Israel, India, Malaysia, Indonesia, China, and Thailand.

Timmins helps bridge the gap between industry & academia.

We specialize in Memory Technology, Video Codecs, Telecommunications, Artificial Intelligence, Embedded Linux Programming, Embedded Android Programming, Programming Languages, and other new and next-generation technology domains. All our programs are developed and delivered by subject matter experts.

Overview

Niche Technology Program for Mobile Chip Development

5G technology is all set to revolutionize industries with enhanced data bandwidth, HD video, and virtual and augmented reality. What's more, is that it is now possible to get all of the greatest 5G features to exist on consumer handsets. This ongoing Niche Technology Program for Mobile Chip Development helps equip the engineering teams of a global leader in semiconductors and wireless technology to build and innovate on the latest technological advancements related to 5G Mobile SoC.

The program involves training the client's engineering teams on the latest niche technologies related to mobile chip development, including video codecs and memory technology. Designed by subject matter experts, the intervention particularly focuses on 5G solutions for mobile chipmakers. It includes highly customized training and consulting sessions based on the client's requirements – from designing to deploying the latest mobile chipsets.

Program participants: Hardware and Software Teams, Architects, Senior Managers, and Product Owners.

"Timmins is a niche technology partner committed to supporting businesses with customized training, consulting, and staffing solutions that have real-world value."

– Raj Rajaratnam,
Timmins Founder & CEO

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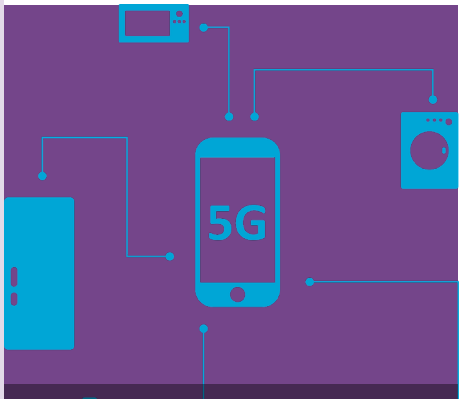
Our Intervention

Conducted in both English and Mandarin, the 5G Mobile SoC Technologies Development program has been designed to train the client's engineering team in the following niche technologies:

- Wi-Fi technologies: 11ax, 11p, 11ad, 11ac
- Video Codecs: AV1, VVC
- Multimedia: Camera design (ISP), Camera Systems
- Memory Technologies: LPDDR2, LPDDR4, LPDDR5
- HW Design and Simulation: Low-Dropout regulators, BUCK Chips, Low Power Design, SW-HW Optimization
- Embedded SW: Android Security, Mobile Software testing
- Artificial Intelligence: Applied Math and Applied Data Analytics for Machine Learning, Computer Vision, Video Analytics, Face Recognition



Our engaging and unique methodology offers a blend of both practical and theoretical learning.

Methodology

We design all our programs keeping in mind the learning requirements of working professionals in the highly demanding niche technology industry. Our engaging and proven methodology ensures that your team gets the maximum benefit of your program of choice as quickly as possible. Based on the client's requirements, we adopted the following methodology for this 5G Mobile SoC Technologies Development program:

- In-class training
- Use of real hardware labs
- Hands-on LIVE webinars
- Consulting & coaching

Results

Through this ongoing training intervention, we assist program participants to design, develop, implement, test, and deploy 5G-related technology solutions for highly-valued Mobile handset original equipment manufacturers (OEMs).

The 5G handsets are primed to boast powerful camera (4K, 8K video capturing), state-of-the-art AI, and desktop-like gaming experiences.