

Project No.	Technical Project Area	MTech course stream	Preferred skills
1	<b>Telecom and Signal Processing</b> skills by working with our experts in the field of <b>Wireless Communications</b>	ECE/EEE	Communications Engineering & Signal Processing, algorithm, MATLAB, Programming: C
2	<b>Wireless LAN</b> and Embedded Systems skills by working with <b>MAC Systems team</b>	ECE/CSE	IEEE, Embedded time critical systems and the tools, Strong C Programming fundamentals, Number representation and bitwise operation, Programming: C, Python, TCL
3	<b>Bluetooth &amp; Embedded FW</b> domain skills by working with <b>BT FW Team</b> .	CSE/ECE/EEE	C programming, OS Concepts, embedded OS / RTOS and kernel programming, communication protocols
4	<b>Embedded Systems/IoT/Device Driver</b> programming skills by working with our <b>WLAN/Wi-Fi Software Team</b> .	CSE/ECE/EEE	C/C++ programming, Embedded systems, OS concepts, Linux Internals, Networking, communication protocols
5	Develop IT skills by working with <b>IT Technical Team</b> .	CSE/IT/EEE	Database analyst, Oracle database, business analyst, Devops, Cyber security etc .
6	<b>Embedded Software / Device Drivers / Multimedia frameworks / AI</b> at the Edge development skills by working with our <b>EEPD BU Software team</b> focusing on the Synaptics Astra® SL and SR Series of Embedded processors.	ECE/CSE	Embedded Software, Operating Systems and Device drivers, Academic projects in IOT and AI, Programming: C/C++
7	<b>VLSI design</b> skills by working with Industry's <b>leading IoT development center of Synaptics wireless connectivity group</b>	ECE/EEE	Basic VLSI flows, modern design techniques, low power logic design, Proficient in digital architecture and design. CAD/DFT/STA/Synthesis skills also be considered.
8	<b>ASIC Design Verification</b> skills by working with our <b>SoC Verification Team</b> .	ECE/EEE	Digital Design, HDL//HVL (Verilog/SystemVerilog), Languages/Scripts (C/C++, Perl/Shell) and Industry Standard Simulation tools/ verification tools