

Project No.	Technical Project Area	MTech course stream	Preferred skills
1	Telecom and Signal Processing skills by working with our experts in the field of Wireless Communications	ECE/EEE	Communications Engineering & Signal Processing, algorithm, MATLAB, Programming: C
2	Wireless LAN and Embedded Systems skills by working with MAC Systems team	ECE/CSE	IEEE, Embedded time critical systems and the tools, Strong C Programming fundamentals, Number representation and bitwise operation, Programming: C, Python, TCL
3	Bluetooth & Embedded FW domain skills by working with BT FW Team .	CSE/ECE/EEE	C programming, OS Concepts, embedded OS / RTOS and kernel programming, communication protocols
4	Embedded Systems/IoT/Device Driver programming skills by working with our WLAN/Wi-Fi Software Team .	CSE/ECE/EEE	C/C++ programming, Embedded systems, OS concepts, Linux Internals, Networking, communication protocols
5	Develop IT skills by working with IT Technical Team .	CSE/IT/EEE	Database analyst, Oracle database, business analyst, Devops, Cyber security etc .
6	Embedded Software / Device Drivers / Multimedia frameworks / AI at the Edge development skills by working with our EEPDU Software team 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	VLSI design skills by working with Industry's leading IoT development center of Synaptics wireless connectivity group	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	ASIC Design Verification skills by working with our SOC Verification Team .	ECE/EEE	Digital Design, HDL//HVL (Verilog/SystemVerilog), Languages/Scripts (C/C++, Perl/Shell) and Industry Standard Simulation tools/ verification tools