

Opportunities for students(1)

Summer Internship Project Title	Short description of the project	Department	Details
LTE Radio Performance	LTE Radio Principles, features, performance	Mobile Networks - Products	Students required: 5
LTE TEST IN MOBILE NETWORKS	LTE (4G) key concepts, architecture & radio principles. How to deal with SW bugs and customer issues? TEST principles & way of work (types of tests, automation, tools,...)	Mobile Networks - Products	Students required: 4
Automation in Small Cells	LTE overview; Tools used for automation testing in Small Cells Team; Automation framework presentation and test execution	Mobile Networks - Products	Students required: 1
Increasing the code coverage through unit tests in LTE NPO-SON	NPO-SON (Network Performance Optimizing Self Optimizing Networks) in LTE (4G) network overview. Development of unit tests for NPO-SON tool.	Mobile Networks - Products	Students required: 1
MCO SoC technology	LTE principles, Metro equipments/configuration, testing activity, SoC improvements over MCO 3 chip, different UE mobility, how to take traces, tools used for testing activity	Mobile Networks - Products	Students required: 3
WI-FI on LTE MCO	WI-FI is a big added value for LTE operators by using the same backhaul as LTE network, transport infrastructure being shared with an already existing LTE network	Mobile Networks - Products	Students required: 1
16.1 Counters testing in metro	Performance Counter and PCMD Requests testing for 16.1 metro	Mobile Networks - Products	Students required: 1
MRO configuration and parity with macro equipment	New hardware MRO introduction and parity with macro	Mobile Networks - Products	Students required: 1
CITestsRunReporter	Create a report with failed/passed tests for a continuous integration test campaign	Mobile Networks - Products	Students required: 1
Tests Changing Tracker	Scan in source versioning system (clearcase) for any tests list modification and create reports with added/modified/deleted. These reports will be used to see modification trends and increase/decrease in test coverage	Mobile Networks - Products	Students required: 1
Test StabilityTracker	Scan multiple run results in current continuous integration test campaigns for a specific test and determine the pass rate.	Mobile Networks - Products	Students required: 1
Trace Parser	Analyze a sw trace/log and collect different statistics (prints coming from same source, duplicated prints, number of largest builds, ...)	Mobile Networks - Products	Students required: 1
LTE eNB Software Migration tools	Support development of automation tools used for the development of LTE eNB Software upgrade	Mobile Networks - Products	Students required: 2
LTE eNB Project 0 tools	Support development of automation tools used for LTE eNB interfaces alignment	Mobile Networks - Products	Students required: 1
Unit Tests on LTE eNB Software Mangement scenarios	Support development of unit testing on LTE eNB software modules	Mobile Networks - Products	Students required: 1
Describing SW Functional Specifications based on the UML Model	Pilot study : introduction of UML in LTE eNB O&M SW Functional Specification description (1st focus O&M scenarios - sequence diagram description using UML); Based on progress, the study can be continued as a stand alone diploma project	Mobile Networks - Products	Students required: 2
Generate reports from TestManager (Microsoft Team Foundation Server 2012)	Develop an application (addin) that exports customized reports from Test Manager Database.	Mobile Networks - Products	Students required: 1
XML Editor	Develop a standalone application that allows the following operations on XML documents: creating a new one, editing an existing one and data filling. The XML Editor will be integrated in a testing framework.	Mobile Networks - Products	Students required: 2

Summer Practice Projects 2016 in Timisoara

Join us and use technology to create new and extraordinary LTE experiences in people's lives.

Send your CV and indicate your top 2 projects to practica.studenti@nokia.com by February 25.