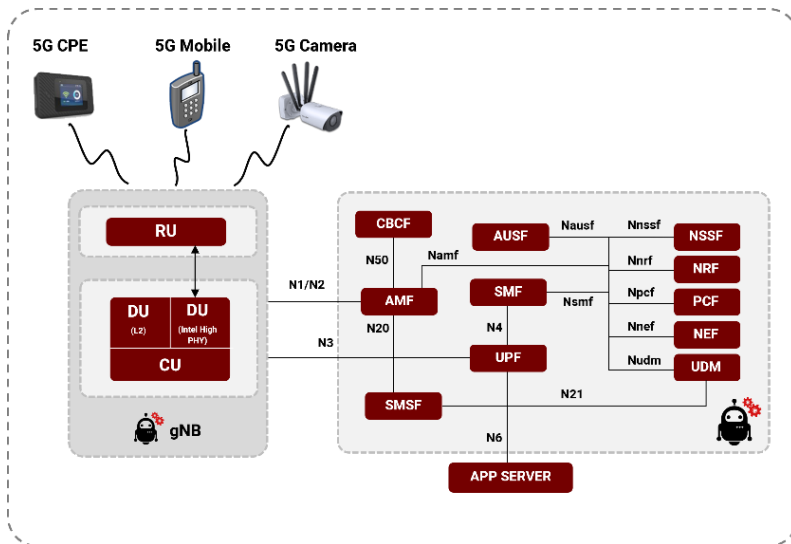




An innovative 4G/5G/O-RAN Learning Solution

By Rebaca Technologies

ABotEdu is a great facilitator for teaching, training or researching 5G and related technologies. With ABotEdu, one does not require any radio-related hardware or an expensive server to set up the 4G/5G RAN and Core; it is a software only 5G network. Its built-in 3GPP call flows and use case scenarios written in English-like language facilitate familiarity with 5G



procedures, messages, logs, and deployment configurations. ABotEdu has AI-driven advanced call flow analytics with Root Cause Analysis for debugging and KPI level insight. ABotEdu enables integration with any 3rd party application.

ABotEdu is a plug-and-play Virtual 5G lab, ready for VM or cloud environments to facilitate hands-on experiments. One can practice RAN and 5G Core network configurations, exercise call flows based on 3GPP or similar specifications, experiment with different RAN algorithms, topologies, etc. One can exercise different use case scenarios to understand the underlying message exchanges between the NFs, and analyze the associated

network data and KPIs. Scenarios such as network slicing, CUPS, high bandwidth and ultra-low latency use cases with different application traffic can be analyzed using ABotEdu.

Key Advantages

5G Knowledge insight

- Network basics, Mobile network evolution, 5G Network architecture
- PCAP, Log and KPI analysis

Comprehensive 5G environment

- Video lectures and animated tutorials
- Fundamental 5G Scenarios
- Simulated 5G network

Effortless learner onboarding

- No prerequisite knowledge required
- 3GPP made easy with UI
- Hands-on-exercises

Automated and Versatile

- Software only and easy to maintain
- Browser based
- Self paced
- Automated exercise validation

License Model

ABotEdu offers a flexible license model: time-based, usage-based, and perpetual. Hosted and managed licenses of ABotEdu are also available; no investment in any hardware or maintenance costs required for this model.

For any enquiry or more information please contact us at:

Email: marketing@rebaca.com

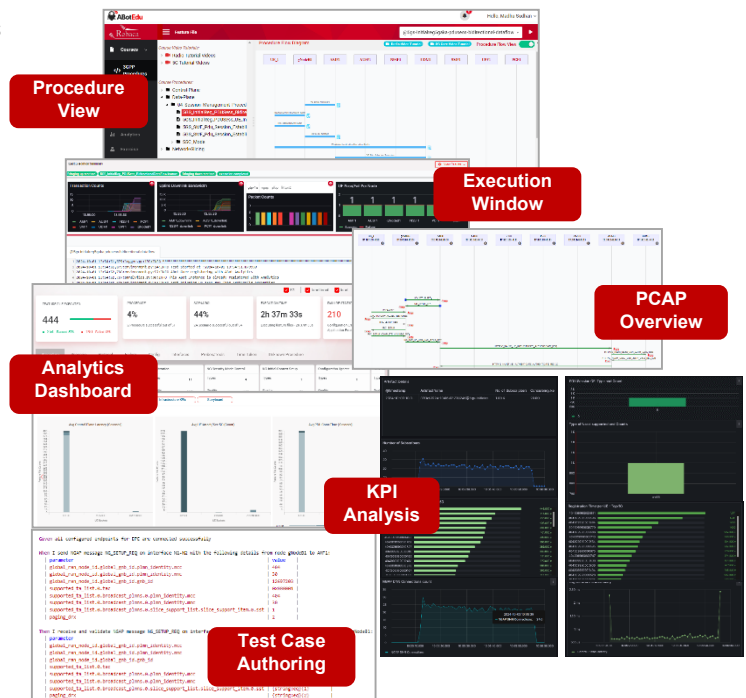
Call: +91-33-4009-7177

Website: www.rebaca.com



Features

- Simulated 4G/5G/ORAN RAN & Core Network Functions
- Sample Call Flows: Functional, E2E, and Performance
- Live test execution dashboard
- Execution Call Flow ladder diagram generation with PCAP and Log message overlay
- Result Analytics Dashboard: 3GPP Procedure & Scenario use cases identification, failure analysis, Mobility statistics, etc.
- KPI Canvas: Canvas for various KPI monitoring (NF, Mobility and NFVI)
- Execution Evaluation: Auto-check executions using AI
- Scenario Authoring: AI enabled supervised test case authoring environment
- ABot Micro-Services: Microservice based 5G Network Functions and Analytics features allow flexible network configuration, scaling, analyzing and generating KPI visualizations
- Learning Management System: Faculty login, managing batches, exercise management, automated report cards and certification



Unlimited Possibilities



5G Skilled Workforce Development: Create a pool of skilled professionals ready to address any requirement for 5G expertise.



R&D of 5G Use Cases: Perform 5G research and development activities for various use cases like Video Streaming, Surveillance, Cyber Security, Smart City and many more.



Increased Innovation: Learners can experiment through Digital Twins or emulation of the real network.



RAN Research: Focus on R&D of the Radio units and patentable radio-based algorithms.



Benchmarking and Troubleshooting: Learn and practice Performance Benchmarking, Optimal Sizing and Troubleshooting of the Cloud Native 5G Networks.



AI/ML Developments: Build models and use deep learning techniques on the generated 5G data.

Dive deep into your training, project onboarding and research endeavors with ABotEdu. Access its vast test case repository, experiment with various 5G configurations, gather insights and accelerate your discoveries.



Watch Video

About Rebaca Technologies

Rebaca Technologies is a niche solution provider in the Telecom and OTT video streaming domain. We deliver customized high-tech solutions & services to industry leaders. We provide software development and test automation solutions and services in Video and 4G/5G/ORAN domains.

For any enquiry or more information please contact us at:

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