TSC Services

Forum NOKIA

**Dr Mahbubur Rahman
Forum Nokia**

"Nokia is the benchmark for all developer programs in nearly every category, is unsurpassed in content and traffic, and has the strongest collection of training options,

including in-person courses"

-Evans Data Corporation

Forum NOKIA

The Forum Nokia mission:

- Bring innovation to devices, services & software
- Create business opportunities for mobile developers
- Connect developers to tools, technical information, support, and distribution channels
- Help build and market applications
- Support technical and business development

Forum NOKIA

The Leading Mobile Developer Community

Forum Nokia provides technical know-how to over 3.6 millions developers for all Nokia supported technologies

For application developers

- Symbian C++
- Java™ technology
- Flash Lite
- OpenC
- Python
- Web technologies - Nokia's Web Run-Time

For content and creative developers

- Images
- Video
- Audio
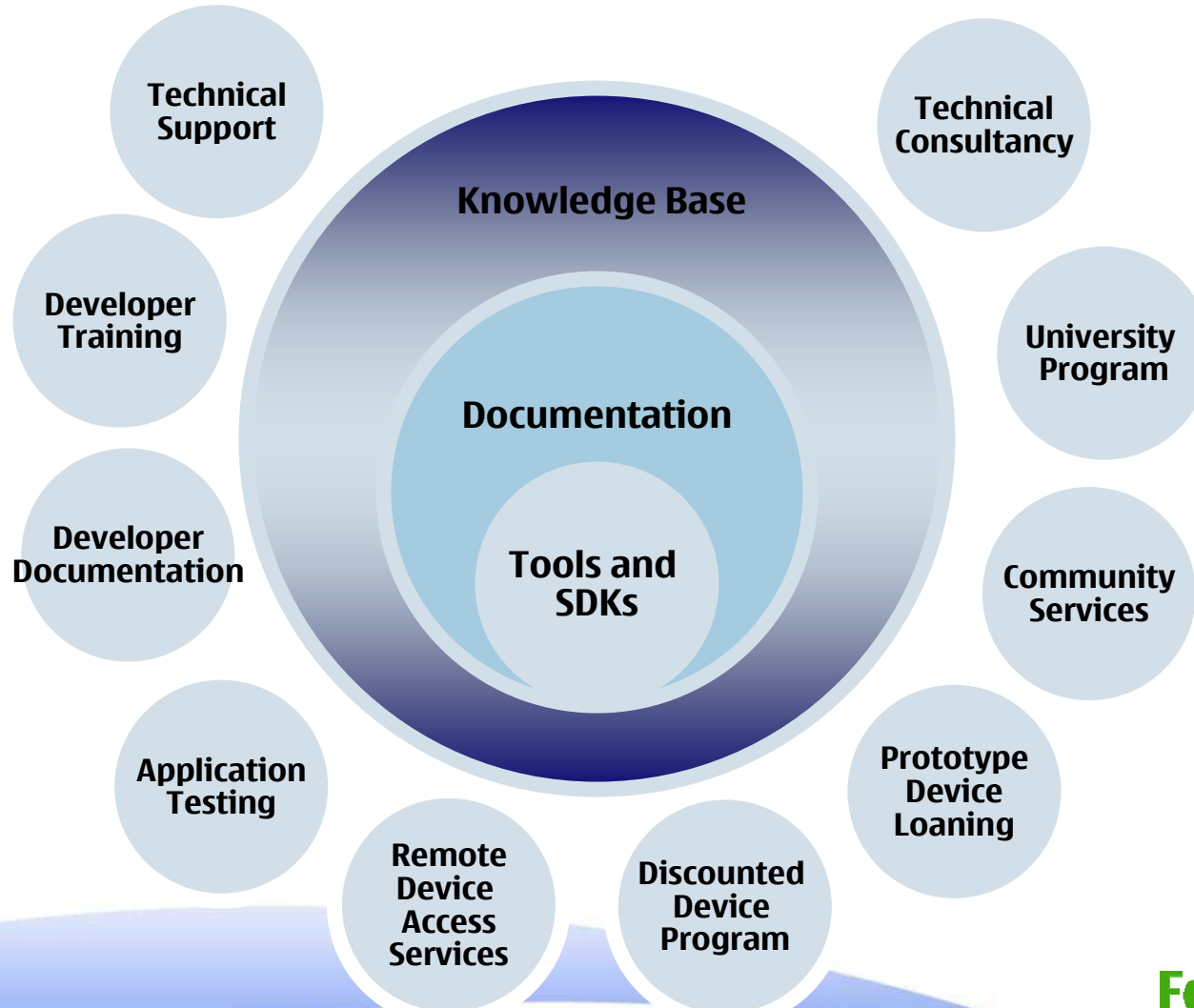- SVGT
- Themes
- SMS
- MMS
- Web

Forum NOKIA

Our goal...

... **is to make sure** developers find the right information and support !

- Discussion boards
- Wikis
- Blogs
- Real time chats
- Podcasts
- New content
- Forum Nokia newsletter

- Technical events
- Code camps and seminars
- Web casts
- Mobile Application Summits
- Developer competitions
- Tech Days
- Events e.g. 3GSM, CTIA, CommunicAsia

Forum NOKIA

Get It Right from the Start

Tap into Timely, World-Class **Developer Services**. Whenever You Need Them.

- Technical Support
- Developer Training
- Developer Documentation
- Application Testing
- Remote Device Access Services
- Discounted Device Program
- Prototype Device Loaning
- Community Services
- University Program
- Technical Consultancy

Knowledge Base

Documentation

Tools and SDKs

Forum NOKIA

Develop and Test on the Latest Nokia Devices

Prototype Device Loaning

What we provide:

- Early access to Nokia platform prototype devices to facilitate application development and testing.

- First-come, first-served service.

- Service for Forum Nokia PRO members only.

- Ever-increasing pool of loaner devices.

- Real-world setting.
- Real user experience.
- Features that are not available on emulators.
- Enhanced application development and testing

Forum NOKIA

Develop and Test on the Latest Nokia Devices

Discounted Device Program

What we provide:

- Nokia devices for purchasing at discounted prices, as soon as commercial devices are available.

- Discounted Device Program is available for registered Forum Nokia Developer Program members only.

- Devices for permanent use.
- Real user experience, with commercial quality.
- Continuous application development and testing.

Forum NOKIA

Develop and Test on the Latest Nokia Devices

Remote Device Access Services

What we provide:

- Access to a live device over the Internet.
- This offers a possibility for the developers to reduce the effort on testing, demoing and content & application development.
- Two service providers:
  - Forum Nokia – free of charge, S60 devices only
  - DeviceAnywhere – fee based, S60, Series 40 and Internet Tablets

- Devices for temporary use over the Internet.
- Continuous application development and testing.

Forum NOKIA

Get Your Applications Tested and Signed

Application Testing

What we provide:

- Support for industry standard testing and signing programs:

    1. Symbian Signed for Symbian C++ applications.

    2. Java Verified™ for J2ME™ applications.

- Promotions through Nokia sales catalogs and other media.

- Instructions on testing-process guidelines at www.forum.nokia.com/testing.

- Every application in Nokia sales channels is Symbian Signed or Java Verified.
- Ensures seamless integration of applications and devices.
- Better application quality improves the user experience.
- Reduces developers' fragmentation and costs.

Forum NOKIA

Keep Your Project Moving Forward

Technical Support

What we provide:

- Timely online technical support on a per-case basis.
- Solutions to specific problems and answers to technical questions.
- Support for Java, Symbian OS / S60 and S40.
- Internal API Partnering.
- Special pricing for Forum Nokia PRO members.
- Expedited support for Forum Nokia PRO members.

- Get help troubleshooting your code.
- Receive help with your application or system integration.
- Find solutions not provided by other online support and solved-case databases.

Forum NOKIA

Have Expert Guidance Every Step of the Way

Technical Consultancy

What we provide:

- A fee-based technical consultancy for developing applications on Nokia platforms.

- Expert guidance every step of the application development or integration project.

- Dedicated consultant to coordinate all technical services throughout the project.

- Exclusive service to Nokia, operators, and ISVs.

- Do it right from the start.
- Optimize your application project from start to finish.
- Transfer knowledge to the rest of the team.
- Have peace of mind: you know you have a go-to resource.

Forum NOKIA

Documentation

Developer Documentation

What we provide:

- All needed information for effective application and service development
- Developer Libraries for C++, Java, Flash and Web development
- Knowledge Base: Known Issues, Technical Solutions, and Code Snippets
- Code Examples
- eLearning and Training materials
- User Experience and Design Guidelines
- Device Specifications
- Thousands of additional tutorials and code examples from the community

- Information always at hand - online
- No time or location restrictions - study when best suited to you
- Verified code assets to speed up development
- Problems and solutions communicated timely and openly
- Resources for great user experience and coolest design
- Get it from your peers – active community to help

Forum NOKIA

Developer Training

Developer Training

Forum Nokia Developer Training Services provides developers with an access to the latest technical information and learning materials. Forum Nokia runs a global network of Nokia Certified Training Centers providing courses about Nokia related technologies and solutions. Developer Training Program co-operates with the mobile software industry stakeholders (S60 licensees, SW subcontractors and other partnering companies) and publishing houses by arranging joint programs and training activities.

• Offers quality training via the Global Nokia Certified Training Center Network of 6 commercial training companies and 4 universities.
•Ensures early adoption of new Nokia technologies in the key developer community
• Creates and maintains top quality learning content and solutions for both developer training and university education
•Supports Nokia R&D subcontractors by coordinating joint training programs
•Provides SW engineers with industry standard skills accreditation on Symbian OS and S60 SW development

Forum NOKIA

University Programs

University Programs

- **Forum Nokia University Program** provides universities with technical events, training, curriculum materials and mobiles system learning materials. The program is comprised of some 200 professors, researchers and lecturers in some 70 universities and 12 countries.

- **Forum Nokia PRO University Program** is a selected group of 20 world leading universities on mobile systems to carry out mobile software development and research activities with Forum Nokia PRO companies and Nokia units.

- **Forum Nokia Innovation Network** is a dedicated cluster of selected Forum Nokia PRO university members with the aim to research, develop and deploy innovative mobile solutions together with developer companies, ISVs and other related industry players. The network focuses on applied research, proof of concept development, real world testing, rapid prototyping, and mobile systems and applications training and education. The network will enable scalable collaboration activities and foster innovation capturing and knowledge transfer between mobile developers globally.

• Ensures a highly skilled global university network with excellent capabilities on Nokia platforms to run both scientific and commercial development projects with developer companies and Nokia R&D

•Brings new innovating, high quality content, applications and services to Nokia platforms

•Ensures that a critical mass of Nokia Platforms related competence and resources exists in the community

•200 collaborated R&D projects carried out between PRO universities and external companies in 2007

•100 technology events and workshops for 6000 participants carried out by the FN university program in 2007

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Community Services

Community Services

- **Online:** Managing the Forum Nokia online developer community site (discussion boards, wiki, and blogs). Internal customer/partner entities: 10+, including technology/platform development organizations (like Series 40 Java, S60, S60 Java, Flash Lite, etc.), Ovi developer offering, Trolltech developer offering, online customer care, and of course other groups in Forum Nokia

- **Open source:** Managing relevant open source communities and ensuring the alignment with Forum Nokia community. External communities include KDE, www.qtcentre.org, www.qtforum.org/ and maemo.org. The open source community engagement activities are run with internal business partners (Devices/Qt software and maemo software).

- **Designers:** A program for designer communities, meaning non-developers with graphics and user interface skills and competences to establish Nokia platforms as the leading UI innovation environment.

• Ensures that Nokia developers have a compelling development offering and fast interaction services for their service and application development

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