



Hands-On FRDM Workshop at electronica India 2026

Join NXP's exclusive hands-on workshop series at **electronica India 2026**, Booth **H5.G01**, and gain practical experience with the latest NXP FRDM development platforms for Automotive, Industrial, and Edge AI applications. Designed for engineers, developers, technical leaders, and academia, these instructor-led sessions provide an opportunity to explore real-world development workflows, rapid prototyping techniques, and NXP's software ecosystem through guided exercises and live demonstrations. Whether you're building next-generation MCU-based products, automotive applications, or AI-enabled edge devices, these workshops will help you get started faster and develop with confidence.

Workshop Highlights

- Hands-on learning with NXP experts
- Real hardware and practical development exercises
- No laptop required (systems will be provided by NXP)
- Explore MCU, Automotive and Edge AI development workflows
- Limited seats for an interactive learning experience

Who should attend ?

Professionals and academia involved in embedded systems, firmware development, hardware design, and MCU-based product development.

Firmware Engineers	Embedded Software Engineers	Academia (Professors)
Hardware Design Engineers	Embedded Design Engineers	Application Engineers
System Engineers	Technical Leads	MCU/Product Developers

Registration Information

- Pre-registration is mandatory.
- Registration is subject to review and final confirmation by NXP organizers.
- **Last date to register:** 4th September 2026
 - Confirmation of selected participants: By 10th September 2026
- Each attendee may register for only one workshop across all three event days.
- Only one registration per company will be accepted.
- Seats are limited and will be allocated based on availability and approval.



Exclusive Attendee Benefits

Participants who are pre-registered, approved, and successfully attend the workshop will receive:

- FRDM Development Board as a giveaway
 - Applicable for attendees of:
 - Rapid Prototyping with FRDM-MCXA156
 - Rapid Prototyping with FRDM-A-S32K344
 - Rapid Prototyping with FRDM-MCXN236
- Attendees of the Edge AI Development with FRDM-i.MX 95 workshop will receive an exclusive NXP takeaway gift (but not the FRDM Development Board).
- Bonus Quiz Challenge
 - At the conclusion of each session on “Rapid Prototyping with FRDM-S32K344 for Automotive Applications”, a technical quiz will be conducted.
 - Two winners per session will receive a [CSBAS1000](#) CAN Bus Analyzer from Digital Shark Technology Pvt. Ltd., a professional tool designed for engineers and developers working with CAN/CAN FD networks and automotive communication systems.

Sessions Schedule

 Capacity	Time in IST	16 th Sep. 2026	17 th Sep. 2026	18 th Sep. 2026
10 attendees	10:30 – 11:15 am	Rapid Prototyping with FRDM-MCXA156	Rapid Prototyping with FRDM-MCXA156	Rapid Prototyping with FRDM-MCXA156
9 attendees	12:00 – 12:45 pm	Edge AI Development with FRDM-i.MX 95: AI Models, GoPoint & Build System	Edge AI Development with FRDM-i.MX 95: AI Models, GoPoint & Build System	Edge AI Development with FRDM-i.MX 95: AI Models, GoPoint & Build System
10 attendees	2:00 – 2:45 pm	Rapid Prototyping with FRDM-S32K344 for Automotive Applications	Rapid Prototyping with FRDM-S32K344 for Automotive Applications	Rapid Prototyping with FRDM-S32K344 for Automotive Applications
10 attendees	3:15 – 4:00 pm	Rapid Prototyping with FRDM-MCXN236	Rapid Prototyping with FRDM-MCXN236	Rapid Prototyping with FRDM-MCXN236

Venue:

NXP Semiconductors Booth at electronica India 2026

Hall 5, Booth G.01

Bangalore International Exhibition Centre – BIEC, Bengaluru

10th Mile, Tumkur Road, Bengaluru, India

Sessions Details – Rapid Prototyping with FRDM-MCXA156

Title	Rapid Prototyping with FRDM-MCXA156
NXP Parts	FRDM-MCXA156
Website	https://www.nxp.com/FRDM-MCXA156
Data Sheet	https://www.nxp.com/docs/en/data-sheet/MCXAPI00M96FS6.pdf
Description	Join this hands-on session to explore the NXP MCXA156, a compact and feature-rich Arm® Cortex®-M33 MCU designed for next-generation embedded applications. Learn how to quickly set up the development environment, configure key peripherals, and build real-world applications using NXP tools and SDKs. Through live demonstrations and practical exercises, participants will gain valuable hands-on experience with the MCXA156 platform and discover how it can accelerate product development while reducing design complexity.
Top 3 key takeaways	• Getting started with MCXA156 using NXP tools and SDKs • Hands-on experience with key peripherals and application development • Gain practical insights and best practices for leveraging the MCXA156 platform
Instructor Details	Anurag Pal, Systems Engineer, NXP Semiconductors (LinkedIn) Anurag Pal is a Systems Engineer at NXP Semiconductors specializing in MCX microcontrollers, embedded systems, energy metering, Edge AI/ML, industrial automation, and EV charging solutions. He works on developing intelligent embedded platforms that integrate sensing, power measurement, and machine learning for industrial and energy applications. At NXP, he drives solution development, customer enablement, and technical training, helping accelerate the adoption of NXP technologies across industrial and automotive markets.



Sessions Details – Edge AI Development with FRDM-i.MX 95: AI Models, GoPoint & Build System

Title	Edge AI Development with FRDM-i.MX 95: AI Models, GoPoint & Build System
NXP Parts	FRDM i.MX 95
Website	https://www.nxp.com/products/i.MX95
Data Sheet	https://www.nxp.com/docs/en/data-sheet/IMX95IEC.pdf
Description	Join this hands-on technical session to explore the GoPoint experience on FRDM-i.MX 95, understand different AI model types used for Edge AI applications, and walk through the complete YOLOv8n model workflow, including model validation and deployment concepts. Participants will also learn about the FRDM-i.MX 95 software build system and gain practical insights into setting up, building, and customizing the software stack. Whether you are new to i.MX 95 or looking to accelerate AI deployment, this session will equip you with the knowledge and tools to kick-start your development.
Top 3 key takeaways	• Master the FRDM-i.MX 95 development platform • Understand and deploy Edge AI models • Build and customize the software stack
Instructor Details	Ashish Jain, Senior Field Application Engineer, NXP Semiconductors (LinkedIn) Ashish Jain is a Senior Field Application Engineer at NXP Semiconductors specializing in Embedded Linux, Yocto BSP, Edge AI/ML, computer vision, and i.MX application processors. With over 14 years of experience, he supports customers in developing and deploying intelligent edge solutions based on i.MX 95 and i.MX 93 platforms. He is actively involved in technical enablement, AI/ML deployment, multimedia integration, performance optimization, and hands-on training for industrial and automotive applications.



Sessions Details – Rapid Prototyping with FRDM-S32K344 for Automotive Applications

Title	Rapid Prototyping with FRDM-S32K344 for Automotive Applications
NXP Parts	FRDM-A-S32K344
Website	https://www.nxp.com/S32K3
Data Sheet	https://www.nxp.com/docs/en/data-sheet/S32K3xx.pdf
Description	Join this introductory session to explore the NXP S32K3 automotive MCU family, designed for embedded software developers and system engineers. Participants will gain an overview of the S32K3 family, its key features, and the development ecosystem. Learn how to leverage the Application Code Hub to quickly import reference projects into the development environment and run them on target hardware. Through this hands-on walkthrough, attendees will accelerate evaluation, reduce setup time, and kick-start development with S32K3 devices.
Top 3 key takeaways	• Understand the S32K3 MCU portfolio and development ecosystem • Get started quickly with Application Code Hub and reference projects • Run reference applications on target hardware to accelerate development time
Instructor Details	Krishnakumar Venkata Subramanian, Field Application Engineer, NXP Semiconductors (LinkedIn) Krishnakumar Venkata Subramanian is a Field Application Engineer at NXP Semiconductors specializing in S32K automotive microcontrollers, Battery Management Systems (BMS), embedded systems, and automotive electronics. He supports customers with system design, software integration, debugging, and application development, helping accelerate the adoption of NXP solutions across automotive and industrial markets. Through customer enablement, design-in support, and application validation, he helps bring innovative products to market faster.

Sessions Details – Rapid Prototyping with FRDM-MCXXN236

Title	Rapid Prototyping with FRDM-MCXXN236
NXP Parts	FRDM-MCXXN236
Website	https://www.nxp.com/FRDM-MCXXN236
Data Sheet	https://www.nxp.com/webapp/Download?colCode=SPF-90828
Description	Join this hands-on session to explore the NXP FRDM-MCXXN236 development board and its powerful MCU features. Participants will learn how to set up the development environment, work with the MCUXpresso SDK, and interface with common peripherals such as GPIO, UART, I2C, SPI, ADC, and CAN. Through live demonstrations and practical exercises, attendees will gain valuable hands-on experience in developing embedded applications and learn best practices for rapid prototyping using the MCX N series platform.
Top 3 key takeaways	• Getting started with FRDM-MCXXN236 using NXP development tools • Hands-on experience with peripheral interfacing and application development • Gain practical insights and best practices for accelerating embedded system design using the MCX N series platform
Instructor Details	Anurag Hooda, Software Engineer, NXP Semiconductors (LinkedIn) Anurag Hooda is a Software Engineer at NXP Semiconductors specializing in embedded software, driver development, MCU applications, peripheral interfacing, and GUI development. With over 2.5 years of experience, he has developed sensor evaluation solutions, published software examples for NXP platforms, and supported technical demonstrations and developer enablement initiatives. He is passionate about simplifying embedded development and helping engineers quickly bring ideas to life.

Notes:

- Participants are not required to bring a laptop. Workshop will be conducted using NXP systems.
- For security and compliance reasons, carrying USB drives, external storage devices is not permitted.
- Please arrive at the workshop venue at least 15 minutes before the scheduled session start time.
- NXP's decision on all matters relating to workshop registration, participation, attendee selection, giveaways, and event administration shall be final and binding.
- NXP reserves the right to modify workshop content, schedule, or instructors without prior notice.
- NXP reserves the right to cancel any workshop at short notice due to unforeseen circumstances including, but not limited to, natural disasters, earthquakes, government restrictions, venue-related issues, force majeure events, or other circumstances beyond NXP's reasonable control.
- In case you are suffering from any contagious illness, including but not limited to high fever, cold, cough, breathing difficulties, redness of the eyes, or any COVID-related symptoms, please do not attend the workshop. Kindly inform the organizers in advance so that appropriate arrangements can be made.