



## 2025 IEEE Student Branch - Educational Android Workshop

### IEEE JSS UNIVERSITY Student Branch

**Dates:** 5th March, 2025

**Venue:** AB-IV Ground Lab, Computer lab, JSS University, Noida

#### Event Poster:

The poster is a vertical rectangular graphic with a dark blue background. At the top left is the JSS University Noida logo, and at the top right is the IEEE Student Branch logo. The text is centered and reads: 'JSS Mahavidyapeetha', 'JSS UNIVERSITY, NOIDA', 'organised by', 'IEEE Student Branch JSSUN'. Below this, a large, stylized, glowing blue and purple sphere contains the words 'ANDROID WORKSHOP' in large, bold, white capital letters. Underneath the sphere, the event details are listed: '5th Mar | Computer Lab, AB4 | 1:30 PM- 4:30 PM'. The bottom section is divided into two columns: 'Key Features' and 'Eligibility'. The 'Key Features' column lists four bullet points: 'Getting started with Android studio', 'Kotlin Basics', 'Hands on experience of Android basics', and 'Developing your first Android Application.' The 'Eligibility' column lists two bullet points: 'JSS University Students' and 'Only 1st 80 registrations will be eligible for the workshop'. At the very bottom, there is a dark blue bar with white text listing the organizers: 'Dr. Nitima Malsa, IEEE Student Branch Counselor', 'Dr. Gunjan Varshney, IEEE Student Branch Advisor', and 'Prof.(Dr.) T.G. Mamatha, Registrar, JSS University, Noida'.

JSS Mahavidyapeetha  
**JSS UNIVERSITY, NOIDA**  
organised by  
**IEEE Student Branch JSSUN**

**ANDROID  
WORKSHOP**

5th Mar | Computer Lab, AB4 | 1:30 PM- 4:30 PM

**Key Features**

- ✦ Getting started with Android studio
- ✦ Kotlin Basics
- ✦ Hands on experience of Android basics
- ✦ Developing your first Android Application.

**Eligibility**

- ✦ JSS University Students
- ✦ Only 1st 80 registrations will be eligible for the workshop

Dr. Nitima Malsa  
IEEE Student Branch Counselor

Dr. Gunjan Varshney  
IEEE Student Branch Advisor

Prof.(Dr.) T.G. Mamatha  
Registrar  
JSS University, Noida



## Introduction

The **Android Development Workshop**, organized by the IEEE Student Chapter, was conducted on 05<sup>th</sup> March, 2025 at JSS University, Noida. The primary objective of this workshop was to provide students with hands-on experience in Android app development, equipping them with practical skills in Android Studio, Kotlin, UI/UX design, and app deployment.

The workshop featured expert speakers who guided participants through key topics such as setting up Android Studio, working with Intents and Activities, designing user-friendly interfaces, and integrating Firebase for backend support. A hands-on coding session allowed students to build a basic Android application, reinforcing their learning through real-world application.

With an enthusiastic turnout of 50 participants, the session proved to be highly engaging and interactive. A Q&A session enabled students to clarify their doubts and explore career opportunities in mobile app development. The event received positive feedback, with participants appreciating the structured approach, practical exercises, and expert mentorship.

The key outcomes of the workshop included:

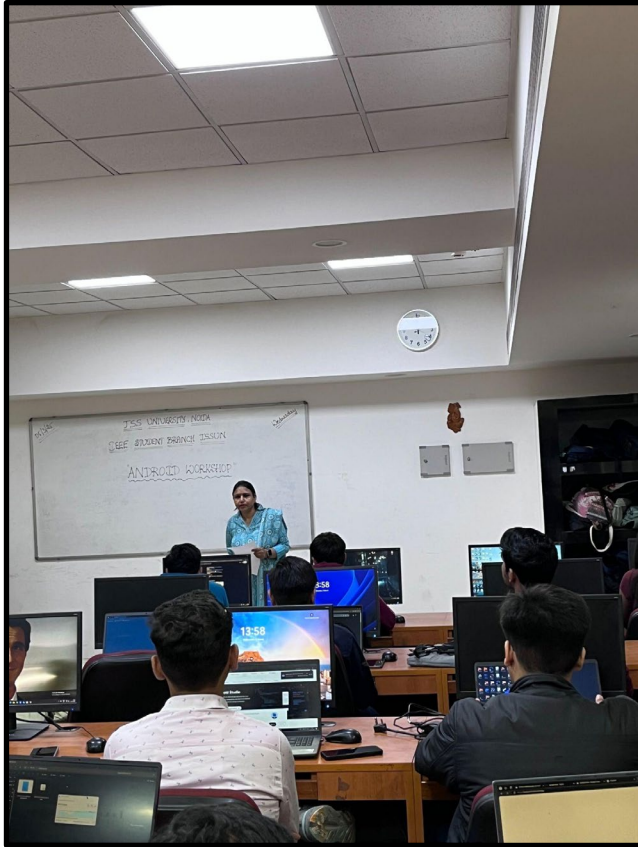
- Enhanced understanding of Android app development.
- Practical exposure to Android Studio and Kotlin/Java
- Hands-on experience in designing and developing a basic Android application.
- Encouragement for students to explore career opportunities in mobile development.

In conclusion, the Android Development Workshop was a successful initiative, bridging the gap between theoretical knowledge and practical application. The IEEE Student Chapter aims to organize more such technical workshops in the future to help students stay updated with industry trends and emerging technologies.

This report provides a comprehensive overview of the event, covering its objectives, key highlights, outcomes, and overall impact on student learning.

## Address by Organizational Unit Advisor/Counselor:

The Counselor expressed gratitude to the participants, emphasizing the importance of collaboration in technology and innovation, and encouraging attendees to engage actively throughout the symposium.



## 1. Target Audience

The workshop was designed for students and aspiring developers interested in Android app development. It primarily targeted:

- Undergraduate students from Computer Science, IT, and related fields.
- Beginners with little or no prior experience in Android development.
- Enthusiasts eager to learn mobile app development and explore career opportunities in this domain.

## 2. Feasibility and Novelty of the Proposed Project

The workshop was structured to provide practical exposure while ensuring accessibility for all participants. Key factors ensuring feasibility and novelty included:

- Hands-on learning approach using Android Studio and Kotlin/Java, making it easy for beginners.
- Step-by-step app development to help participants grasp real-world application development.

The workshop also introduced UI/UX best practices and app architecture concepts, setting it apart from generic programming sessions.

## Session Pictures:



### 3. Project impact on the participants and the community

The **Android Development Workshop** had a significant impact on both the participants and the wider community, fostering technical skills and innovation. The key impacts include:

1. **Skill Development & Practical Knowledge** – Participants gained hands-on experience in Android app development, including Kotlin/Java programming, UI/UX design, and Firebase integration, enhancing their technical proficiency.
2. **Increased Interest in Mobile App Development** – The workshop sparked curiosity and motivation among students to explore mobile app development as a potential career path.
3. **Stronger Technical Community & Networking** – By bringing together students from different backgrounds, the event fostered collaboration and peer learning, strengthening the IEEE and NCS Society communities within the college.
4. **Encouragement for Future Projects & Startups** – The workshop inspired students to develop their own projects and apps, some of which could lead to startups, hackathon participation, or research initiatives.

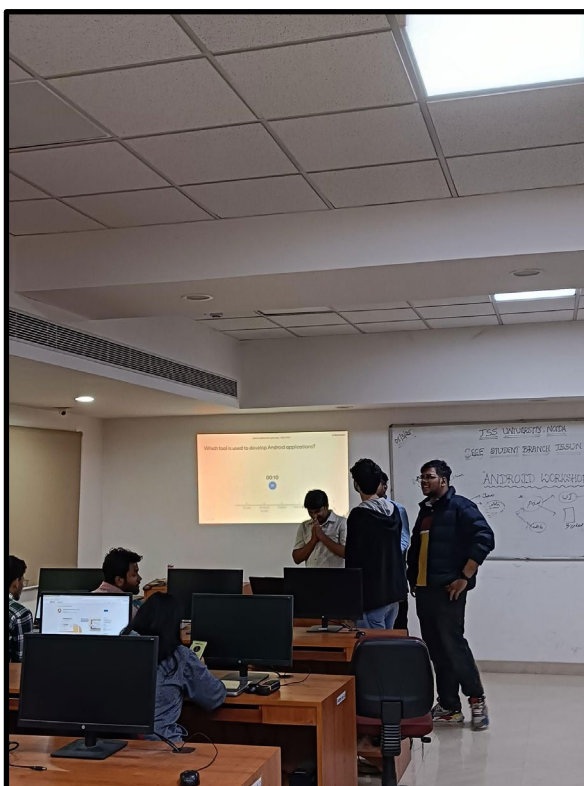




#### 4. Active Participation of Students.

The event was conducted for straight two hours and the knowledge delivered was abundant. So, a Menti Quiz was conducted for fun participation and to check the students focus throughout the session.

#### Session Pictures:



## 5. Effective use of IEEE resources

- **Access to IEEE Learning Materials & Research Papers**

Participants were provided with IEEE Xplore research papers, technical articles, and e-learning resources on Android development to supplement their understanding.

- **Guidance from IEEE Experts & Mentors**

The event benefited from IEEE professionals, senior members, and technical experts, who provided mentorship, industry insights, and best practices in mobile application development.

- **Utilization of IEEE Funding & Support**

The workshop leveraged IEEE grants and sponsorships to cover expenses related to speaker sessions, promotional materials, and workshop infrastructure.

- **Networking Opportunities through IEEE Community**

The event allowed students to connect with IEEE student chapters, industry professionals, and international members, fostering collaboration and career opportunities.

### Session Pictures:





Registered Attendees: **80**

Actual Attendance: **70**

## **Social Media**

### **LinkedIn:**

[https://www.linkedin.com/posts/ieee-jssuniversity-student-branch-androidworkshop-ieee-nibblecomputersociety-activity-7302665389837103106-IG3s?utm\\_source=social\\_share\\_send&utm\\_medium=member\\_desktop\\_web&rcm=ACoAAFUX\\_kgByFnQ-24HILFLZbj44S8X8dJd5Gk](https://www.linkedin.com/posts/ieee-jssuniversity-student-branch-androidworkshop-ieee-nibblecomputersociety-activity-7302665389837103106-IG3s?utm_source=social_share_send&utm_medium=member_desktop_web&rcm=ACoAAFUX_kgByFnQ-24HILFLZbj44S8X8dJd5Gk)

### **Instagram:**

[https://www.instagram.com/p/DGxynafNWLk/?utm\\_source=ig\\_web\\_copy\\_link&igsh=MzRIODBiNWFIZA==](https://www.instagram.com/p/DGxynafNWLk/?utm_source=ig_web_copy_link&igsh=MzRIODBiNWFIZA==)

**X:** <https://x.com/IEEEJSSUNI/status/1896932845840658479>

## **Video Testimonials**

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