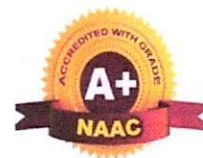




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Date:24/08/2026

Report on “Flutter App Development Workshop”

Theme of Event	Flutter App Development Workshop
Date of Event	22-08-2026
Time	10:00 AM – 1:00 PM
Venue	Auditorium, Aditya College of Engineering, Madanapalle
Target Audience	II B.Tech CSE and ECE Students
Mode of Participation	Offline
Organized By	Aditya App Development Club
Convener of Aditya App Development Club	S.Reddy Mubaraq, Associate Professor, Dept of AI&DS.
Resource Persons	S. Reddy Mubaraq , <i>Associate Professor, Department of AI & DS.</i> Session: Flutter App Development , Cross-Platform Technologies &Live Demonstration P. Jagadeesh , <i>Assistant Professor, Department of AI & DS</i> Session: Django-Based Backend Development & Live Demonstration

Introduction

The **Aditya App Development Club** of Aditya College of Engineering, Madanapalle, organized a **Flutter App Development Workshop** on 22nd August 2026 at the college Auditorium. The workshop was organized with the objective of providing students with practical exposure to modern mobile application development and cross-platform technologies.

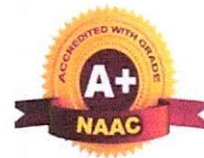
The programme focused on **Flutter, Dart, UI development, cross-platform technologies, Django backend development, REST APIs, databases, and frontend-backend integration**. The workshop combined conceptual explanations, live demonstrations, technical guidance, and interaction with students.

The programme also emphasized the importance of identifying real-world problems before developing an application and encouraged students to think creatively and develop meaningful technology-based solutions.





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The poster is for a 'FLUTTER APP DEVELOPMENT WORKSHOP' held on 22nd AUG 2026. It is organized by the 'ADITYA APP. DEV. CLUB'. The poster features a central graphic with a smartphone displaying a Flutter app interface, surrounded by icons for Flutter, Django, and cloud deployment. Text on the poster includes: 'ADITYA COLLEGE OF ENGINEERING, MADANAPALLE (UGC-AUTONOMOUS)', 'FLUTTER APP DEVELOPMENT WORKSHOP', '22nd AUG 2026', 'CONDUCTED BY ADITYA APP. DEV. CLUB', 'LEARN > BUILD > DEPLOY', 'RESOURCE PERSONS: S. Reddy Mubaraq (Associate Professor, Department of AI & DS) and P. Jagadeesh (Assistant Professor, Department of AI & DS)', 'VENUE: AUDITORIUM', 'AUDIENCE: II - B Tech CSE & ECE', 'TIMING: 10:00 AM - 1:00 PM', and a list of staff members including Secretary, President, Director, Principal, Convener, and Student Coordinators. Logos for AICTE and NAAC are also present.

Workshop Event Poster

Objectives of the Workshop

The major objectives of the workshop were:

- To introduce students to Flutter and Dart programming.
- To explain the concept of cross-platform application development.
- To familiarize students with Flutter widgets, layouts, navigation, and UI components.
- To demonstrate the development of responsive and user-friendly application interfaces.
- To introduce students to backend development using Django.
- To explain REST APIs, databases, authentication, and client-server communication.
- To demonstrate frontend and backend integration.
- To provide practical exposure through live demonstrations.
- To encourage students to identify real-world problems and develop suitable applications.
- To motivate students to undertake application-based mini projects.
- To encourage active participation in the activities of the Aditya App Development Club.

Inaugural Programme

The programme commenced with the arrival of the dignitaries and resource persons, followed by a floral welcome. A warm and respectful welcome was extended to **Dr. S. Ramalinga Reddy, Director**, followed by **Dr. V. V. N. Bhaskar, Dean – Academic**, **S. Reddy Mubaraq, Convener, Aditya App Development Club**, and the invited Co-Resource persons **P. Jagadeesh, Assistant Professor, Department of AI & DS**.



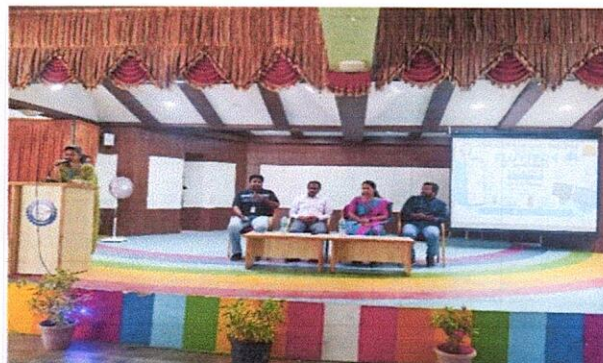
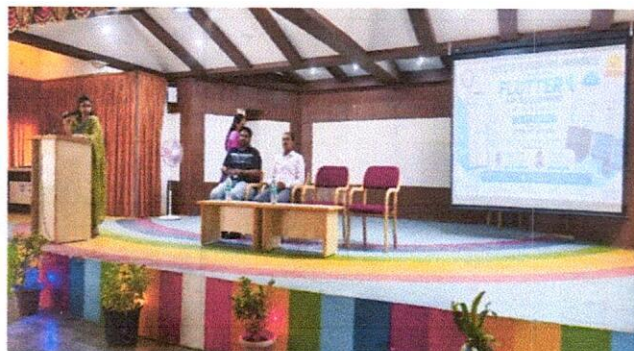
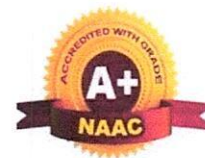


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Floral Welcome to the Director, Dean – Academic and Resource Persons

S. Reddy Mubaraq introduced the **Aditya App Development Club** and explained the purpose and objectives of the workshop. She briefed the students about the club's activities and emphasized the importance of practical learning and project development.

She particularly highlighted the approach of “**Problem First, Technology Next**”, encouraging students to first identify a genuine problem in society, campus, education, or daily life and then select suitable technologies to develop a solution.



Introduction to the Aditya App Development Club and Workshop Objectives

Dr. S. Ramalinga Reddy, Director, delivered the inaugural address. He encouraged students to utilize technical workshops to strengthen their practical skills and to continuously learn emerging technologies. He also motivated students to transform their ideas into useful applications and projects. He highlighted the importance of adapting to the rapidly changing technological environment and encouraged students to actively participate in hands-on learning activities. He advised them to develop problem-solving abilities, creativity, and confidence through practical experience.



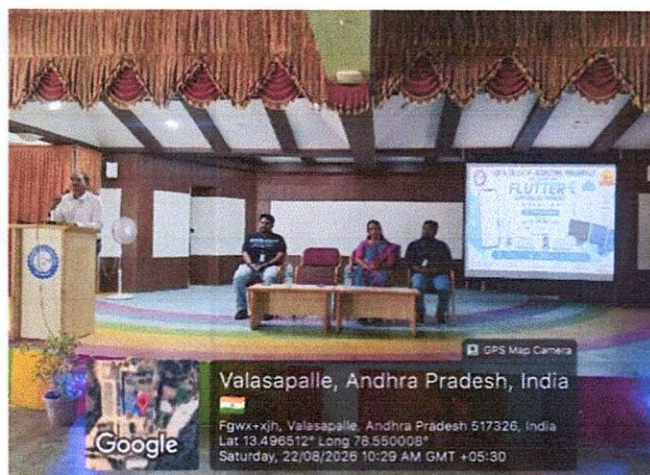
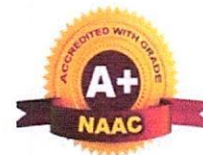


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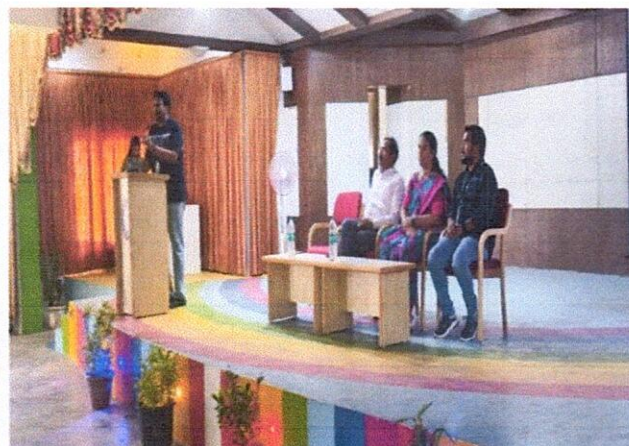
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Inaugural Address by the Director, Dr. S. Ramalinga Reddy Sir

Dr. V. V. N. Bhaskar, Dean – Academic, delivered a guidance and inspirational speech. He emphasized continuous learning, innovation, teamwork, practical exposure, and the importance of developing skills beyond the prescribed curriculum. He explained how students can strengthen their technical knowledge by participating in workshops, attending seminars, working on practical projects, and exploring emerging technologies. He also advised them to identify their interests, set clear career goals, seek guidance from faculty members, and regularly improve their problem-solving abilities. Furthermore, he highlighted the value of teamwork, effective communication, time management, and professional responsibility in preparing students for higher studies, internships, placements, and future careers.



Guidance and Inspirational Address by the Dean – Academic, Dr. V. V. N. Bhaskar Sir



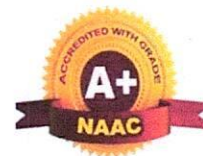


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The inaugural session concluded with a **Vote of Thanks** by Sai Subhiksh, Assistant Professor, Department of CSE, who expressed gratitude to the management, Director, Dean – Academic, resource persons, faculty members, organizers, and students.



Vote of Thanks by Sai Subhiksh, Assistant Professor, Department of CSE

Technical Session – I: *Flutter App Development and Cross-Platform Technologies.*

The first technical session focused on **Flutter App Development and Cross-Platform Technologies**. The students were introduced to the fundamentals of mobile application development and the role of Flutter in developing applications for multiple platforms.

The session covered:

- Introduction to Flutter
- Dart programming language
- Flutter architecture
- Flutter SDK and development environment
- Widgets and widget-based development
- Stateless and Stateful widgets
- Layouts and responsive UI
- Buttons, text fields, cards, images, and other UI components
- Screen navigation
- Application structure
- Cross-platform development
- Advantages of using a single codebase

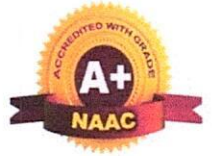




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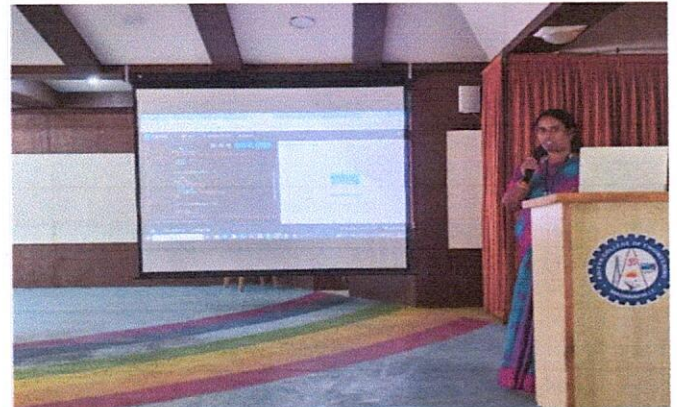
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Technical Session on Flutter App Development and Cross-Platform Technologies

A live demonstration helped students understand how different Flutter widgets can be combined to create attractive and functional application interfaces



Live Demonstration of Flutter Application Development

Cross-Platform Technologies

The workshop also provided an overview of other popular cross-platform technologies, including:

- **Flutter**
- **React Native**
- **.NET MAUI**
- **Ionic**
- **Kotlin Multiplatform**

Students were introduced to the purpose, features, and general applications of these technologies. This helped them understand the broader landscape of modern application development and the different technology choices available to developers.



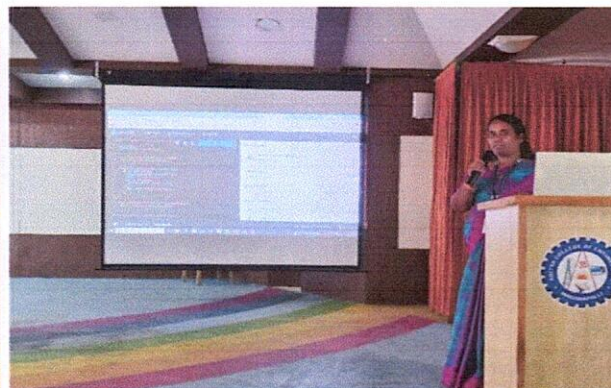
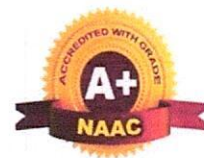


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Demonstration of Flutter Widgets and User Interface Components

Technical Session – II: Django Backend Development

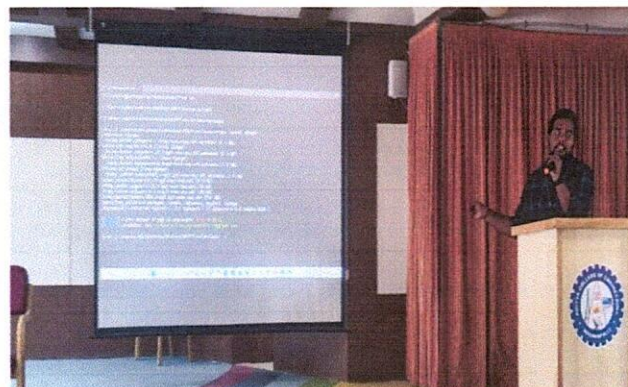
The second session introduced students to backend development using Django.

The resource person explained the role of backend technologies in modern applications and demonstrated how a mobile application communicates with a server.

The session covered:

- Introduction to Django
- Django project and application structure
- Models and views
- Database connectivity
- User authentication
- REST APIs
- Client-server communication
- Backend services
- Integration of Flutter with Django

The live demonstration helped students understand how information entered through a mobile application can be sent to a backend server, processed, stored in a database, and retrieved when required.



Technical Session & Live Demonstration of Django Backend Development



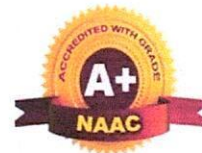


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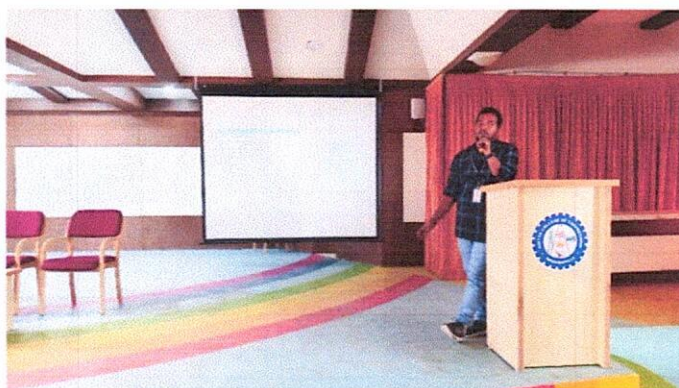
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Interactive Session and Student Engagement

Students actively participated throughout the programme. They interacted with the resource persons and raised questions related to Flutter development, application design, backend technologies, APIs, databases, and project development. The interaction provided students with an opportunity to clarify their doubts and understand how the technologies discussed in the workshop can be applied in academic projects and real-world applications. Students were also encouraged to explore their own application ideas and seek guidance from the **Aditya App Development Club** for further development.



Student Interaction and Technical Discussion with Resource Persons

Programme Highlights

The major highlights of the workshop were:

- Introduction to Flutter and Dart.
- Practical UI development concepts.
- Overview of cross-platform technologies.
- Live Flutter application demonstration.
- Introduction to Django backend development.
- REST API and database concepts.
- Frontend-backend integration demonstration.
- Interaction with resource persons.
- Guidance on real-world application development.
- Motivation for students to undertake future projects.

Overall Impact

The workshop created significant awareness among students about the opportunities available in mobile and cross-platform application development. It helped students understand that modern



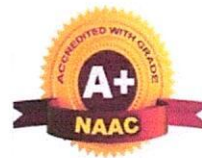


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software applications require the integration of multiple technologies rather than knowledge of a single programming language or framework.

The programme also encouraged students to move from simply learning technologies to **using those technologies to solve meaningful problems**. This approach is expected to support students in developing innovative mini projects, academic projects, and future applications.

Future Scope

Based on the interest shown by students, the **Aditya App Development Club** plans to encourage students to participate in further technical activities, hands-on sessions, coding activities, and project development.

Students can further explore areas such as:

- Advanced Flutter development
- Full-stack mobile application development
- API development
- Cloud-based application deployment
- Database management
- Application testing
- Git and version control
- Project development and deployment

These activities can help students progressively move from basic concepts to developing complete, real-world applications.

Role and Impact of the Aditya App Development Club

The workshop was an important technical activity of the **Aditya App Development Club**, providing students with a platform to learn, experiment, collaborate, and develop applications. The programme strengthened the club's objective of promoting **practical learning, innovation, teamwork, problem-solving, and application-oriented development**.

The workshop created awareness about modern mobile and cross-platform technologies and motivated students to apply their knowledge in mini projects, academic projects, and real-world applications.

Conclusion

The **Flutter App Development Workshop** was successfully conducted on **22nd August 2026** at the Auditorium of Aditya College of Engineering, Madanapalle. The workshop provided valuable exposure to **Flutter, Dart, cross-platform technologies, UI development, Django, REST APIs, databases, and frontend-backend integration**.



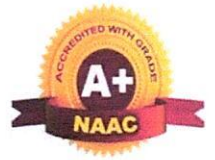


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The combination of technical sessions, live demonstrations, and student interaction helped bridge the gap between theoretical knowledge and practical application development. The guidance of the **Director, Dean – Academic, resource persons, faculty members, and organizers** contributed significantly to the successful conduct of the programme.

The workshop encouraged students to explore modern application development technologies and develop an interest in creating their own applications. It also emphasized the importance of identifying real-world problems and using appropriate technologies to develop meaningful and innovative solutions.

The programme motivated students to participate actively in the activities of the **Aditya App Development Club** and to take up future mini projects, academic projects, and hands-on development activities. The knowledge and exposure gained through the workshop are expected to support students in improving their technical skills, creativity, problem-solving abilities, and project development capabilities.

Overall, the workshop served as a valuable platform for **practical learning, innovation, collaboration, and skill development**, and successfully contributed to the objectives of the Aditya App Development Club.

Prepared by:

S. Reddy Mubaraq

Convener,

Aditya App Development Club

PRINCIPAL

Principal

Aditya College of Engineering,
Madanapalle - 517325

