

Greetings from Guru Nanak Institutions Technical Campus.....

We are happy to announce that the Department of Computer Science and Engineering (AI&ML) and AI&DS at Guru Nanak Institutions Technical Campus (Autonomous) conducting another one week online Faculty Development Program (FDP) on “UI-DESIGN FLUTTER” from July 22ND to July 27TH 2024 for Academicians & scholars/students.

About FDP: The vision of this FDP is to enhance the quality of education imparted in institutions by providing faculty members with a platform to learn all they need to know about UI-DESIGN FLUTTER. Educators will get to learn the best practices in these domains so that they can teach the future workforce the required skill sets.

FDP Objectives:

- To familiarize faculty with the basics and advanced features of Flutter.
- To provide hands-on experience in designing user interfaces using Flutter.
- To enhance the teaching capabilities of faculty for the upcoming semester.

FDP Outcomes:

- Faculty will gain comprehensive knowledge of Flutter and its applications in UI design.
- Enhanced ability to teach the UI-Design Flutter course effectively.
- Development of sample projects that can be used as teaching aids.

Topics of FDP:

- Install Flutter and Dart SDK.
- Simple Dart program to understand the language basics.
- Explore various Flutter widgets (Text, Image, Container, etc.)
- Implement different layout structures using Row, Column, and Stack widgets.
- Design a responsive UI that adapts to different screen sizes.
- Implement media queries and breakpoints for responsiveness.
- Set up navigation between different screens using Navigator.
- Implement navigation with named routes.
- Learn about state full and state less widgets.
- Implement state management using set State and Provider.
- Create custom widgets for specific UI elements.
- Apply styling using themes and custom styles.
- Design a form with various input fields. Implement form validation and error handling
- Add animations to UI elements using Flutter's animation framework.

- Experiment with different types of animations (fade, slide, etc.).
- Fetch data from a REST API.
- Display the fetched data in a meaningful way in the UI.
- Unit tests for UI components.
- Use Flutter's debugging tools to identify and fix issues

Dates of FDP: July 22ND to July 27TH 2024

Timings: 10:00AM to 12:00PM

Registration fee:

- Academicians: 500/-
- Scholars/ Students: 250/-

Registration link: <https://forms.gle/zqjBdarySAZmrEtM6>

QR CODE for SCAN & REGISTER

Registration deadline: 19th -JULY-2024

Resource Person: Yashwanth Kumar Rajavarapu, Sr. Flutter Developer , Cloudtrade Technology Pvt.ltd., Bangalore.

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Co-coordinators: Mr. Maria Joseph, Asst. prof., AI&ML

Mr. P. Pavan Kumar, Asst. Prof., AI&DS

Coordinator: Dr. S. Madhu, Prof. & HOD-CSE(AIML) and AI&DS

Co-Convenors: Dr. Rishi Sayal, Associate Director

Dr. S. V. Ranganayakulu, R&D Dean

Convenors: Dr. K. Venkata Rao, Director

Dr. P. Parthasaradhy, Joint Director