MAHATMA GANDHI INSTITUTE OF TECHNOLOGY (Autonomous)

Kokapet(Village), Gandipet, Hyderabad, Telangana – 500075.   www.mgit.ac.in

MOTIVATE INNOVATE EMPOWER 26 YEARS

DEPARTMENT OF EMERGING TECHNOLOGIES
DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
AND
DEPARTMENT OF INFORMATION TECHNOLOGY

NATIONAL LEVEL
"FACULTY DEVELOPMENT PROGRAMME"

UI FLUTTER

UI Flutter Programming Schedule

- Install Flutter and Dart SDK
- Write a 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 quarries and breakpoints for responsiveness .
- Set up navigation between different screen using navigator
- Implement navigation with named routes.
- Learn about state full and state less widges.
- Implement state management using set state and provider
- Create custom widgets for specific UI elements.
- Apply styling using themes and custom styles
- Design a from with various input fields
- Implement from validation and errors handling
- Add animations to UI elements using Flutter animation framework
- Experiment with different types of animations (fade,slide,etc)
- Fetch data from a Rest API.
- Display the fetched data in meaningful way in the UI.
- Write unit tests for UI components
  Use Flutters debugging tools to identified and fix issues

Chief Patrons:
- Sri Praveen D Reddy, Chairman, CBES
- Sri J Pratap Reddy, Secretary, CBES

Patrons:
- Prof G Chandra Mohan Reddy
  Principal, MGIT
- Dr K Sudhakar Reddy
  Vice Principal & HoD MEC, MGIT

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- Dr. M Rama Bai, HOD ET, MGIT
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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.

- 30 July – 2 Aug, 2024
- Time: 9 AM to 4 PM

- Certificate and Material will be provided to all participants who are attending ALL FDP sessions.

Resource person
MR Praveen Fernandes,
Senior Associate Mentor,
QuantumNique Solutions

Registration Fee
- Registration Fee:- ₹500/- per Participant

Registration Fee Process
- Name of the Account : MGIT Conferences Seminars and Workshops
- Account Number: 438501000066 IFSC Code: ICIC0004385
- For participants from Mahatma Gandhi Institute of Technology no registration fee.

Registration link : https://forms.gle/Dx4StQoKuf5FtWrp9