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Department of Master of Computer Applications

Topic Name:	**Flutter: The Future of Mobile App**
Name of the Guest Speaker:	**Mr. Prathmesh Ayare**
Designation:	**Senior Engineer-IIOT**
Organization/Institution:	**L & T Infotech**
Date:	**15/10/2022 to 16/10/2022**
Time:	**10.00 Onwards**

Programme Summary/Details: This Workshop was conducted to enhance Knowledge of Flutter Technology. Exploring the World of FlutterFlutter is an open-source UI software development toolkit created by Google. It is widely recognized for its ability to build natively compiled applications for mobile, web, and desktop from a single codebase. Here's a brief overview of Flutter:1. Introduction:Flutter was first introduced in 2015 and has gained popularity for its efficiency in developing cross-platform applications.Written in Dart language, Flutter provides a reactive framework that enables the creation of expressive and flexible user interfaces.2. Single Codebase for Multiple Platforms:One of Flutter's key strengths lies in its ability to use a single codebase to deploy applications on different platforms, such as iOS, Android, web, and desktop.This reduces development time and maintenance efforts, making it a preferred choice for businesses aiming for a broad audience.3. Widget-based Architecture:Flutter uses a widget-based architecture where everything, from the app structure to styling, is treated as a widget.Widgets are composable, allowing developers to create complex interfaces by combining smaller, reusable building blocks.4. Hot Reload Feature:Developers appreciate Flutter's Hot Reload feature, which allows them to instantly see the effect of code changes without restarting the entire application.This accelerates the development process and enhances the developer's experience.5. Beautiful UI Designs:Flutter's focus on delivering a visually appealing user interface has led to the creation of stunning applications.It provides a rich set of customizable widgets, ensuring that developers have the flexibility to design interfaces that align with their vision.6. Growing Community and Ecosystem:The Flutter community has grown rapidly, contributing to a vibrant ecosystem of packages, plugins, and third-party libraries.This active community ensures ongoing support, frequent updates, and a plethora of resources for developers. Workshop was Informative.

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