FEDERAL INSTITUTE OF SCIENCE AND TECHNOLOGY (FISAT)

Hormis Nagar, Mookkannoor PO, Angamaly, Kochi
Accredited by NAAC with 'A+' Grade

DEPARTMENT OF COMPUTER APPLICATIONS

SYNOPSIS OF THE MAIN PROJECT

Name of the Student	SANDRA VIJUMON
Batch & Roll Number	MCA B BATCH 40
Contact Number & Email id	7306231406 sandravijumon15@gmail.com
Name of Project Guide	Dr.Deepa Mary Mathews
GitHub ID	https://github.com/Sandravijumon
Project Title	FurnishAR – An Augmented Reality Room design app
Area of the Project	Mobile App Development and Augmented Reality
Date of Submission	04/02/2025

Description of Project:

The Augmented Reality Room Design App, built using Flutter and ARCore, enables users to visualize and customize furniture in their actual rooms before making a purchase. The app allows users to scan and measure their rooms using ARCore for accurate furniture placement, ensuring an enhanced shopping experience. Users can place 3D furniture models in real-time, move, rotate, and resize them, as well as customize their color, material, and texture. It also integrates with an e-commerce module, enabling users to browse, compare, and order furniture directly from the app. By providing an immersive AR shopping experience, the app helps users make informed purchasing decisions while enhancing convenience and reducing product returns.

Front End & Back End Tools	**Frontend**:Flutter, ARCore,Unity **Backend**:Node.js,Express.js **Database**:MongoDB