

KARNATAK LAW SOCIETY'S
GOGTE INSTITUTE OF TECHNOLOGY

UDYAMBAG, BELAGAVI-590008

(An Autonomous Institution under Visvesvaraya Technological University, Belagavi)

(APPROVED BY AICTE, NEW DELHI)



SKILL LABS

FOR

3rd year ISE Students

DEPARTMENT OF
Information Science and Engineering

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KLS GOGTE INSTITUTE OF TECHNOLOGY



Power BI

FOR

Students of 3rd year

Overview

The Power BI Skill Lab offers hands-on experience in mastering data visualization and business analytics. Participants will explore data integration, transformation, and dashboard creation using Power BI tools. This practical lab empowers learners to derive actionable insights and make data-driven decisions efficiently through interactive reports and visuals.

Mode of Conduction of each Module

Theory: 02 Hours
Demo: 01 Hours
Lab sessions: 03 Hours
Total duration: 06 Hours
Certification exam: 03 Hours

Module 1: Introduction

- Power BI Architecture
- Power BI introduction and overview
- Introduction Power BI desktop and Power BI in Excel
- Connecting with Data
- Introduction to Power BI Components

Module 2: Power Query

- Installation Requirements and Configuration
- Different versions of Power Query
- Query Editor
- Transformation GUI
- Row, column & Text Transformations

Module 3: Power Pivot and Data Sources

- Using SQL Server data.
- Loading data from cubes.
- Load data from text files.
- Using data from Excel sheets.
- Loading data via data feeds

Module 4: Building PivotTables on Power Pivot

- Building pivot tables on top of Power Pivot.
- Using Pivot Charts & working with Slicers.
- Combine Power Pivot data with Sparklines.

Coordinators

Name: Dr. Kiran K. Tangod
Department : ISE
Phone: 9448545393
E-mail: kirankt@git.edu

Name: Prof. Anusha Chogund
Department: ISE
Phone: 9845306014
E-mail: apcogund@git.edu

Name: Dr. Padma Dandannavar
Department: ISE
Phone: 9886230332
E-mail: padmad@git.edu

Name: Prof. Shrivatsa D. Perur
Department: ISE
Phone: 9845371193
E-mail: sdperur@git.edu

Outcomes

The Power BI Skill Lab equips participants with essential data analytics skills, enabling them to create interactive reports, automate data workflows, and uncover valuable insights. It enhances proficiency in visual storytelling, improves decision-making, and boosts career prospects in data-driven roles across various industries.

Acceptance

In order to accept and start the training program, students are required to register with the respective department. Details to be provided by the student to the department include: **Name, USN, UID, Mobile No, Email id**

Terms and Conditions

- Only students who have paid a skill lab fee to the institution are eligible for the training.
- The students must maintain 90% attendance for obtaining the skill lab certificate.
- Students must attend training as per scheduled time