AN APPLICATION TO GENERATE SUMMER-TERM TIMETABLE

A PROJECT REPORT

Submitted by,

Mr. Mohammed Thousif B C   - **20211CSE0388**
Mr. Ullas H R   - **20211CSE0299**

Under the guidance of,
Mr. Md Ziaur Rahman
Assistant Professor
Presidency School of Computer Science and Engineering,
Presidency University, Bengaluru

in partial fulfillment for the award of the degree of
BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING

At

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS
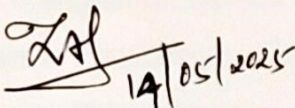
PRESIDENCY UNIVERSITY
BENGALURU
MAY 2025

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Project report **"AN APPLICATION TO GENERATE SUMMER-TERM TIMETABLE"** being submitted by Mohammed Thousif B C, Ullas H R, bearing roll numbers "20211CSE0388", "20211CSE0299" in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a Bonafide work carried out under my supervision.
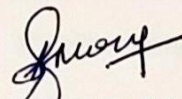
14|05|2025

Mr. MD ZIAUR RAHMAN
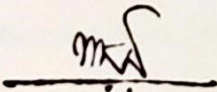Assistant Professor
PSCS
Presidency University

Dr. ASIF MOHAMMED
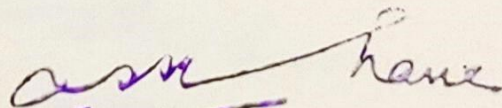Associate Professor & HoD
PSCS
Presidency University

Dr. MYDHILI NAIR
Associate Dean
PSCS
Presidency University

Dr. SAMEERUDDIN KHAN
Pro-Vice Chancellor - Engineering
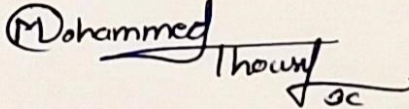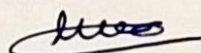Dean -PSCS / PSIS
Presidency University

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

We hereby declare that the work, which is being presented in the project report entitled **An application to Generate Summer-Term Timetable** in partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering**, is a record of our own investigations carried under the guidance of **Mr. Md Ziaur Rahman, Assistant Professor, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.**

We have not submitted the matter presented in this report anywhere for the award of any other Degree.

Name	Roll No	Signature
Mohammed Thousif B C	20211CSE0388	
Ullas H R	20211CSE0299	

ABSTRACT

The Timetable Generation is designed to be a software solution to make the operation of creating timetables easier. Currently, it is done manually, thus time-consuming and susceptible to error. This system automates the insertion of periods into the timetable, allowing smooth management and easy access for the faculty through a mobile application. Additionally, in cases where a teacher doesn't show up, arrives late, or leaves early, the timetable adjusts automatically.

For purposes of optimum workload distribution, the system therefore specifies maximum and minimum teaching hours on a daily, weekly, and monthly basis for each faculty member. The software will also allow users to request leaves with information on date, reason, and a substitute faculty member. When choosing a substitute, the system allows access to their schedule confirming if they are available during such a requested period. The chosen substitute can accept or decline the request. Also, the headmaster has a right to study leave requests and the responses of substitutes before arriving at a conclusion.

This integrated schedule management system is quite helpful for colleges as it avoids the complications that are associated with manual schedule preparation. This software helps faculty members easily view their schedules on their cell phones, making this process of school improvement very efficient and well-organized.