**TEACHERS AUTOMATIC TIME-TABLE SOFTWARE GENERATION SYSTEM USING PHP**

This time table generation system helps to manage all [the](https://projectchampionz.com.ng/tag/the/) periods automatically and also will be helpful for faculties to get [automatic](https://projectchampionz.com.ng/tag/automatic/?amp) timetable in their phone by [using](https://projectchampionz.com.ng/tag/using/?amp) this application. This time table [generator](https://projectchampionz.com.ng/tag/generator/?amp) software also manages timetable when a teacher is absent, late coming or early going. Maximum and minimum workload for a faculty for a day, week and month will be specified for the efficient generation of timetable.

The academic environment has gone so complex that an automated system may be required to automate certain aspects of the academic system. One such area of difficulty is timetable scheduling; those saddled with the responsibility of time table creation are always faced with challenges of creating effective system that will deliver its purpose.

[Automation](https://projectchampionz.com.ng/tag/automation/) has been seen as a way of enhancing Manual activities. For instance, Manual operations are characterized with some setbacks such as erroneous computation etc. with automation, those setbacks are either eliminated or reduced to barest minimal. To this effect application are being created to hide the manual operations and project automation.

The general task of solving timetable scheduling problems is iterative and time consuming. In real world application, the participants to the timetable scheduling have conflicting preferences which make the search for an optimal solution a problem. In order to solve the problem it is necessary to find a compromise between all the parties involved in the requirement, usually conflicting (e.g. day, time). The constraints are related to the availability, timetabling and preference of each of the instructor, to rooms availability, number of student and curricula. In order to solve this problem for the particular case of university system, timetable scheduling has to adopt the computer-base approach. Computer-base approach enables the institution to automate certain manual task and work efficiently. Also, in the particular case of timetable scheduling, the automated system could find an optimal or a sub-optimal solution using mainly inter agent communication.

Time table is a schedule of events that organizes school activities throughout the day, week, term or year. For each activity, a timetable generally specifies a starting and an ending time. Typically, the shortest duration on the timetable is called a period. A time table management software can notify students and parents if there is a change in time tables such as a change in the class time or a change in the teacher taking the lecture. It helps students to prepare in advance for a modification in their daily schedule.

An efficient school timetable software, helps in seamless management of classes in schools to create quickly multiple timetables which save an adequate amount of administrative time and effort. Through this School Administration Software, it will be easy to manage Proxy period of teachers, which save the time and efforts of administrative staff. Creating timetable, assigning proxy period, and managing faculty timetable.

The lecturing staff usually spends a lot of time in timetable generation and timetable management. The software program to be design for this project work will captures all parameters used in creating a school lecture timetable and automatically creates one with its timetable generation tool.

The class timetabling problem is a typical scheduling problem that appears to be a stressful job in every academic institute. In previous years, timetable scheduling was done manually with a single person or group of individuals involved in the task of scheduling it manually. Planning of timetable is one of the most complex and error-prone applications because it is actually done manually. This situation demands a comprehensive approach where a computer can be used to schedule a timetabling problem by being automated using PHP.