

FIXTURES SOFTWARE PROPOSAL

BY

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Introduction

Fixtures software, it is a system that generate fixtures for different competitions depend on your needs and the number of competition you have. This software will focus on different style of fixture generation such as single round robin (single match), double round robin (home and away), knockout style and group's style. And also this software will use different criteria depend on the competition needs/rules.

Main Objective

To develop a system that generate fixtures in different style such as single round robin (single match), double round robin (home and away), knockout style and group's style.

Specific Objectives/criteria to be considered for double round robin

- ✓ Team should play with all other team twice, once home and away except itself.
- ✓ Team should not play more than two matches home/away in consecutive.

- ✓ The matches will be played in the home team venue and the system will show the venue region/location.
- ✓ Teams that share venue, when one team is home another should be away on match's day to avoid contradiction.
- ✓ The system will consider/skip exceptional days/ date to arrange matches such as CUF, FIFA calendar for national teams, Christmas and New Year.
- ✓ The system will allow setting of days for match to be played such as week days.
- ✓ The system will make sure there is more than three days before the next match to be arranged.
- ✓ The number of matches for one team will be
$$(\text{Total of Teams} - 1) * 2$$
- ✓ The system will ensure the big match to be played in weekend and will be one big match per month.
- ✓ If there are more than one match in a day, the time gap will 120 minutes between the matches for example if the first match set to be 1000hrs, next match will 1230hrs.

- ✓ The time of the match will be assigned depend on the quality of the venue such as venue with lights match can be assigned at night.
- ✓ The system will set the option for start date and end date for league fixture.
- ✓ The system will allow admin to enter the name for league that intend to generate its fixture.
- ✓ The ratio of the matches per team will home/away 7/8 or 8/7

Development Timeline

Due to the complexity of the system and large number of factors to be considered, will take **three months and two weeks** (104 days) for completion of its implementation.

Budget

This system is multi-system such as single round robin, double round robin, knockout and groups. This system will cost **3,000,000/= TSH.**

Conclusion

This system will save time and provide clear and increase accuracy of fixtures.

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