



# 6COSC006C – Final Year Project

### " PLAN FILMY "

### Automatic Day-to-Day

Film Shoot Re-Scheduling System

#### A DISSERTATION BY

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#### Abstract

There are many film productions going around the world starting from small budget short films to films worth billion dollars. And each film production goes through a scheduling process which helps them to plan better, save money and time. Film production companies and film makers of all sort will do the scheduling once the script is locked and the artists are committed. They did the scheduling process manually before and after with the use of software they made schedule according to their requirements. There is few software available in the market which will schedule smartly and help them to reduce their effort and save their money. But the actual problem is when the schedule misses, and that happens often in the filmmaking process as the schedule is made for human works and not machines so it often goes ahead the schedule. So there is a problem that the filmmakers should again put their effort and time onto the software or manually to re-schedule the shooting schedule whenever it is needed. To overcome this issue, this project proposes a system which will automatically re-schedule the shooting schedule on a daily basis and help the filmmakers to work freely.

The proposed system will monitor each day of shoot, get the pending shots of each day and smartly schedule those shots in the available space in the total film schedule. The system does this by taking the pending shots and comparing the parameters of those shots with the other shots that are in the future and help the user to choose their likable option within the optimized options of the system. Also, the system predicts the suitable slots for the missing shot by analyzing the time taken to those shots under the conditions of its and optimizing the available slots with accuracy. This system will help the filmmakers to easily manage their time as time is money in film production always. Also, this system has a good scope on future enhancements as managing the time in all areas of filmmaking will be the best optimizing way of film production domain.

**Keywords** – Planning and scheduling, Machine learning, Real-time schedulability, Supervised learning by classification