**PROJECT-II REPORT**

**On**

**Pixography World**

Submitted to Rajasthan Technical University

In partial fulfillment of the requirement for the award of the degree of

**B.TECH.**

**In**

**COMPUTER ENGINEERING**

**Submitted By**

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At



**POORNIMA INSTITUTE OF ENGINEERING & TECHNOLOGY, JAIPUR**

**Rajasthan Technical University, KOTA**

**OCTOBER, 2018**

**I**

**CERTIFICATE**

This is to be certified that the project entitled “Pixography World” has been submitted for the Bachelor of Computer Science and Engineering, Poornima Institute Of Engineering & Technology, Jaipurduring the academic year 2018-2019 is a bonafide piece of project work carried out by “**Rohit Jangid, Ravi Sharma & Pooja Moorjani**” towards the partial fulfillment for the award of the Degree (B.Tech.) under the guidance of “**Asst. Prof. Rekha Jain**” and supervision and no part of thereof has been submitted by them for any degree or diploma.

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**II**

**CANDIDATE’S DECLARATION**

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**Date: 24/10/2018**

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**ABSTRACT**

Photograpy is also known as "photographic art", "artistic photography" and so on, the term "fine art photography" has no universally agreed meaning or definition: rather, it refers to an imprecise category of photographs, created in accordance with the creative vision of the cameraman. The basic idea behind the genre, is that instead of merely capturing a realistic rendition of the subject, the photographer is aiming to produce a more personal - typically more evocative or atmospheric - impression. This website is the collection of the photos in which the admin will can post, update or delete any photo from the website. In this website user can buy any photograph from the website by doing the online payment. In the website admin is posting the online videos and tutorials that how we can capture a photograph.In this user can learn something new about the photography.

**KEYWORDS:** Photography, post, video, tutorial

**Implementation Software and Hardware:**

Sublime text, phpstorm

**CHAPTER 1**

**INTRODUCTION TO PROJECT**

* 1. **Project Aim and Objective**

The mainaim of the project are:-

* To develop and encourage photography and its allied activities.
* To organize photo walks on weekends and holidays aiming to capture and document nature, heritage, city culture, festivals and specific events of interest to photography.
* The aim of the Society is to harmonize all ideas and conduct photo walks and other photography related events with a broader perspective
* To conduct periodical exhibitions, meets and thereby bringing together people of the same ideology for the common cause of promoting photography as an art form.
* To build around the objective of photography, various other activities  
  around photography including travel to places of interest, bringing out  desk calendars, conduct meet ups to share the knowledge etc.,
* To organize trips with photography as the primary activity.
* To organize various workshops and talks on the subject of photography.
* To promote, develop, preserve, and protect the art of photography.
* To help, encourage and undertake various types of programmes at different level, which will create awareness among the general public on themes of national interest.
* To provide a forum for the open discussion of matters of public interest, in the cause of upliftment of society and to awake integrity and brotherhood.

**1.2 Problem Statement**

Most of the people has a limited discretionary knowledge and therefore has a difficult time expanding itself and creating new experiences that will draw in the new art of photography members as well as keep them engaged and willing to give there best for a click of a perfect picture. In order to keep people interested in giving within the new website where they can learn about the photography that how can they click photos, what are the poses they can make to click a photo, how can a photograph be beautiful and interesting so that viewer can like it and tell us about there feedback that how was the photo it was good or not. Most of the people don’t know how to click a photo and make a photograph more attractive and interesting by doing some editing and finishing in the photograph so this website will provide the tutorials so that people can learn about something new in the photograph. In most of the website user has not provided the knowledge about the photography but in this website they have provided all this things to the user.

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**1.3 Background of the Project(Literature Survey)**

**Existing System:**

In the past, photography relation, or engagement, tended to be treated as a stand-alone activity divorced from fundraising and other advancement activities. Indeed, some people are entirely independent of their photographss, and whilst their members interacted with each other, they had very little interaction about the photograph. Also, many of the photograph Website was developed using static page rather than dynamic page. And also in existing system, maximum work goes on manually and it is error prone system, it takes time for any changes in the system.

The photography portal is accessible by many of the people. This is a major hurdle in the flow of information and guidance to the people. This has following disadvantages:

* Lack of knowledge
* No more description about the website.
* No direct flow of information from admin to user
* No proper flow of information has been given from the admin to the user.

### Description of the Proposed System:

### The current website has not been used by the most of the people because they are not providing something new in it. In this website people can learn about the photography in this admin has provided them online tutorials and videos on the photography in which they to pay some amount for that photograph.

### Proposed System:

### Keeping all the above problems in mind, we decided to goone step further by integrating the photography website. As a part of this project following things will beimplemented:

### Enterprise Social Networking: In this website we provide a platform to the people so they can showcase their talent by clicking the best pictures and post it on the website. We are providing a platform where people can click a picture in any way they want and then by doing it on natural editing in the photograph they can post that photograph.

### Giving Back to Institution: In this website we are providing a platform where user can learn about the photography more as compared to the other people.

### 

### Content Management System: The website isescorted with a Content Management System used for storing, controlling, versioning, and publishing details of the user.

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### Event Management: The events section will offer auser-friendly environment for facility schedulingand event management. The events sectionprovides centralized management of all your small to mid-size events.

### Discussion Groups (Forums): Making the site a hub for information and discussion encourages visitors to return again and again. It's also a highly effectiveway of improving the service to customers or users of the website. The discussion groups featured inthe portal keep up to the forefront of new Internetinnovations, while always keeping an eye on security and performance.

### Career Center: Attrition has been a common issuein almost all organizations. In order to tackle theproblem, the portal will provide a Career Centre.This provides advertising for the vacancy in addition to the existing measures the universitytakes for recruitment. The portal will have asimplified version of a standard recruitmentwebsite where it is possible to search for jobs andpost resumes.

### Chat and feedback: The wwill also have facilityto send notification in case of any upcoming eventor job opportunities posted on a portal so that usersof portal are aware of the updates on portal.

**Origin of the Proposal:**

Currently many of the users have not the platform where they can post any picture and can get the tutorials new for learning something new about the photography. In this they have been providing a platform where they can learn something new.

**Definition of the problem:**

* Login id unique for admin/user.
* Connection mode (Chatting)
* Data Sharing (Image, Document etc.)
* Events Listing
* Personal Profile (for both Admin and User)
* Common Blogging and Idea Sharing Platform

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**1.4 SoftwareRequirements:**

The PHP Community Provides Some types of Software Server solution under The GNU (General Public License).These are the following:

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1. XAMPP Server

All these types of software automatic configure inside operating system after installation it having PHP, MySQL, Apache and operating system base configuration file, it doesn’t need to configure manually.

**1.5 Hardware Requirements:**

* Microsoft Windows  7
* NormalProcessor
* !gb RAM
* hard drive space
* Sound card and speakers
* web browser

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**CHAPTER 2**

**PRODUCT BACKLOG**

* 1. **PRODUCT BACKLOG**

It has all the features that will be in the final product. These features are based on user needs and translate to some benefit. Each feature is placed on an individual index card and is semantically structured, often from the perspective of [personas](https://webdesign.tutsplus.com/categories/user-personas), in a certain way for consistency and clarity.

In the admin side in the website where we have provided all the actions which have been perform by the admin as the owner of the website. There are Certain jobs which have been done by admin like Managing all the sign's up done by the user, Managing all the login's done by the user, Manages the database for the logined users, Manage the forget password option for the users, Manage the password options, Delete the suspicious accounts, All the details should be proper when a user is selling any product, Check if there are more than one active seession of a user.This types of the functions has been performing by the admin.

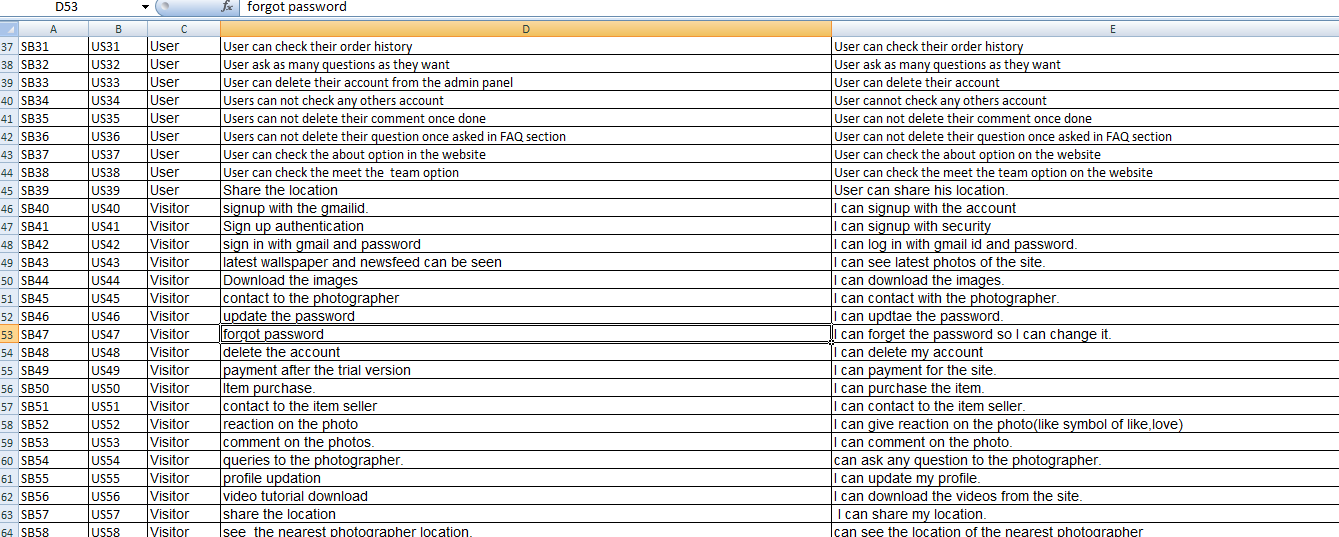
In the User side in the website where we have provided all the actions which have been perform by the user so that they can properly use the website. There are Certain jobs which have been performed by the user like Users can choose card payment gateway, Can Sign Up if new to the website, Now the new user can check all the products present on the website, Upload the pictures, services and cost, User can change their personal information, Users can choose card payment gateway, Users can not delete their comment once done,User can change their mobile number, Security question will help the user to change their password with this option, User can check the meet the team option, Users can not delete their question once asked in FAQ section.This types of the functions has been performing by the admin. This types of the functions has been performing by the user.

In the Visitor side in the website where we have provided all the actions which have been perform by the visitor so that they can visit the website. There are Certain jobs which have been performed by the visitors like signup with the gmailid, Sign up authentication, sign in with gmail and password, latest wallspaper and newsfeed can be seen, contact to the photographer, forgot password, payment after the trial version, see the nearest photographer location. This types of the functions has been performing by the Visitor.

In this user can ask about any question related to the tutorials which they have been want to seen all the doubts of the user and visitor have been properly solved by the admin. In this they can easily purchase any video by doing the online payment in the website.

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**Screenshot of Product Backlog**



* 1. **SPRINT BACKLOG -1**

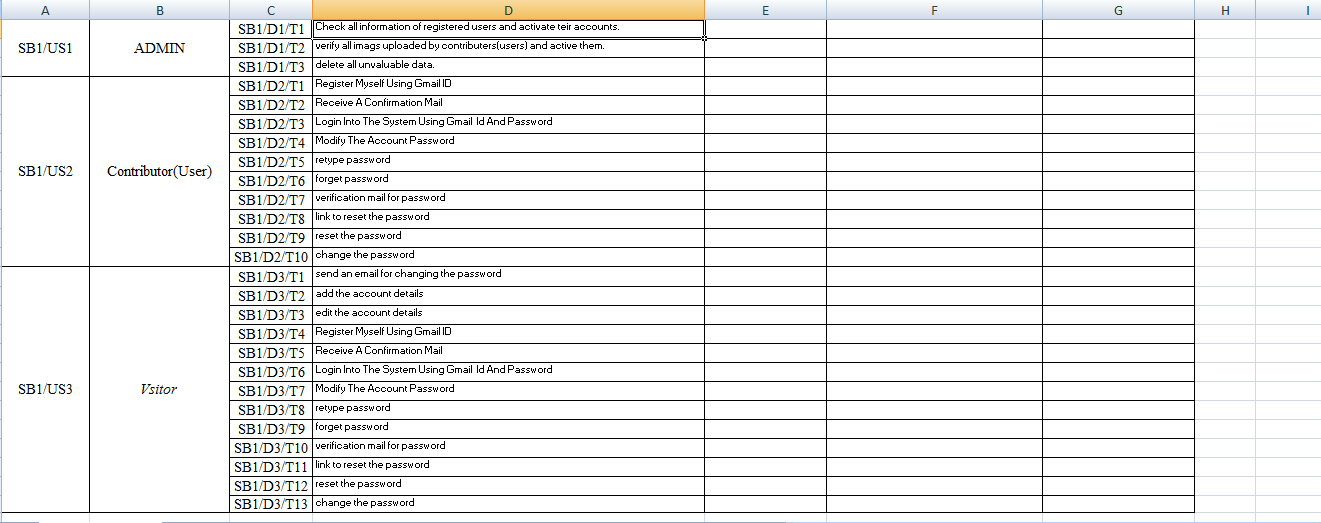
To be a admin the admin have to check that all the Check all information of registered users and activate teir accounts, verify all imags uploaded by contributers(users) and active them, delete all unvaluable data. This all are the duties have been done by the admin.

The duties of the user which have been done by us in our project as the first part are Register Myself Using Gmail ID, Receive A Confirmation Mail, Login Into The System Using Gmail Id And Password, Modify The Account Password, retype password, forget password, verification mail for password, link to reset the password, reset the password, change the password. This all are the duties have been done by the User.

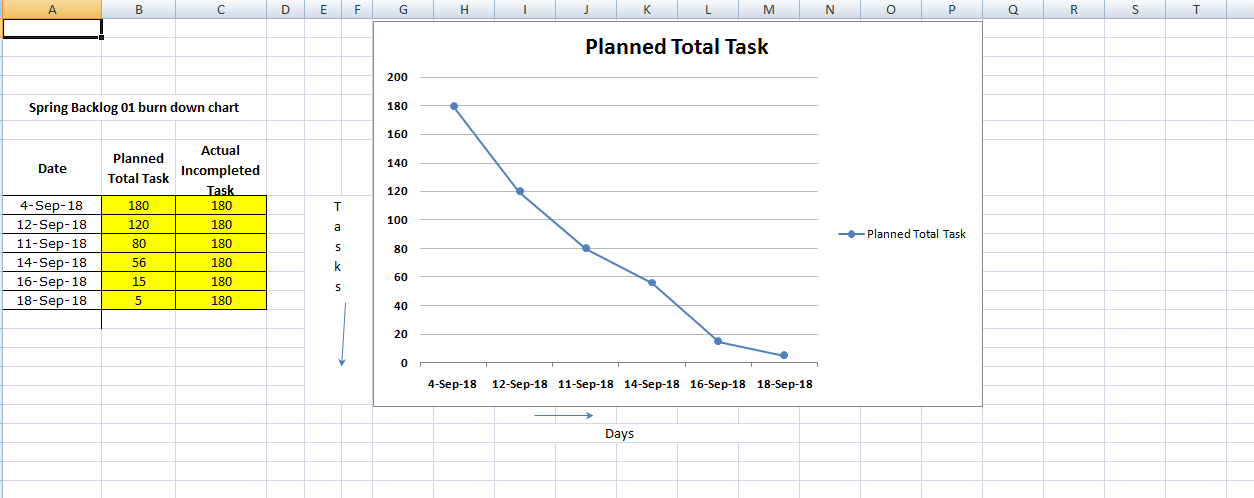
The duties of the visitor which have been done by us in our project as the first part are send an email for changing the password,add the account details,edit the account detail,Register Myself Using Gmail ID,link to reset the password,reset the password,change the password,retype password,forget password. This all are the duties have been done by the visitor.

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**Screenshot of Sprint Backlog1**



**Screenshot of Graph**

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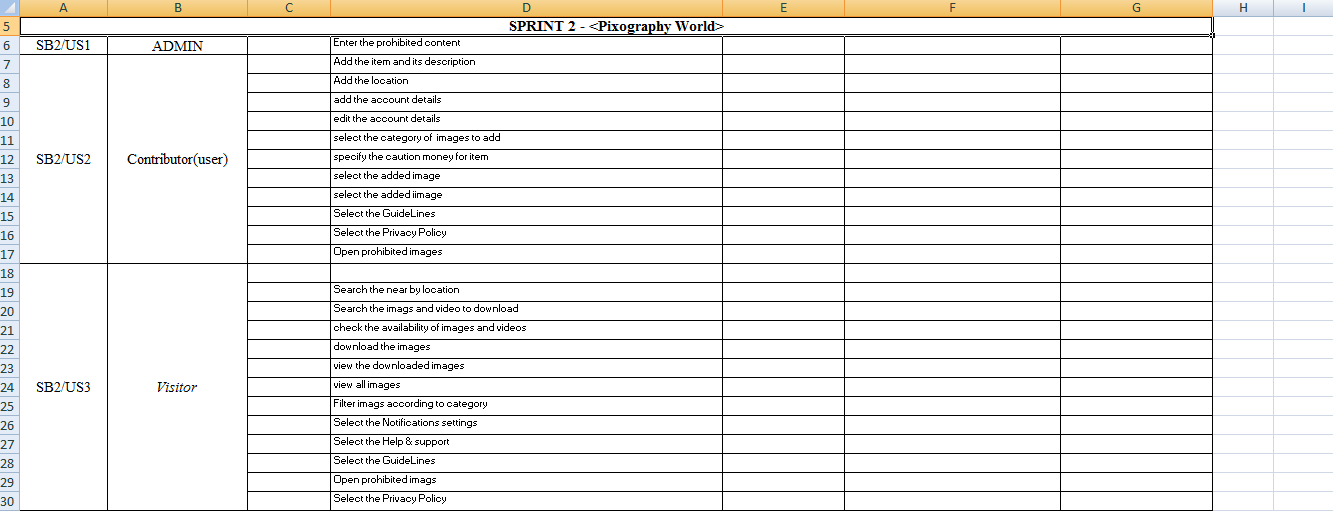
* 1. **SPRINT BACKLOG -2**

In this we will complete the certain task that have been done by the admin are he will help the user and the visitor if the have any problem regarding to the website in this admin will solve the problems have been facing by the user as he is using the website he will check all the conditions at which place mainly the user can face a problem in using the website. In this admin have to solve the problems of the user.

The work of the user which he will be completed in this are Add the item and its description, Add the location, add the account details, edit the account details, select the category of images to add, specify the caution money for item, select the added image, select the added image, Select the GuideLines, Select the Privacy Policy, Open prohibited images. This work of the user will be done.

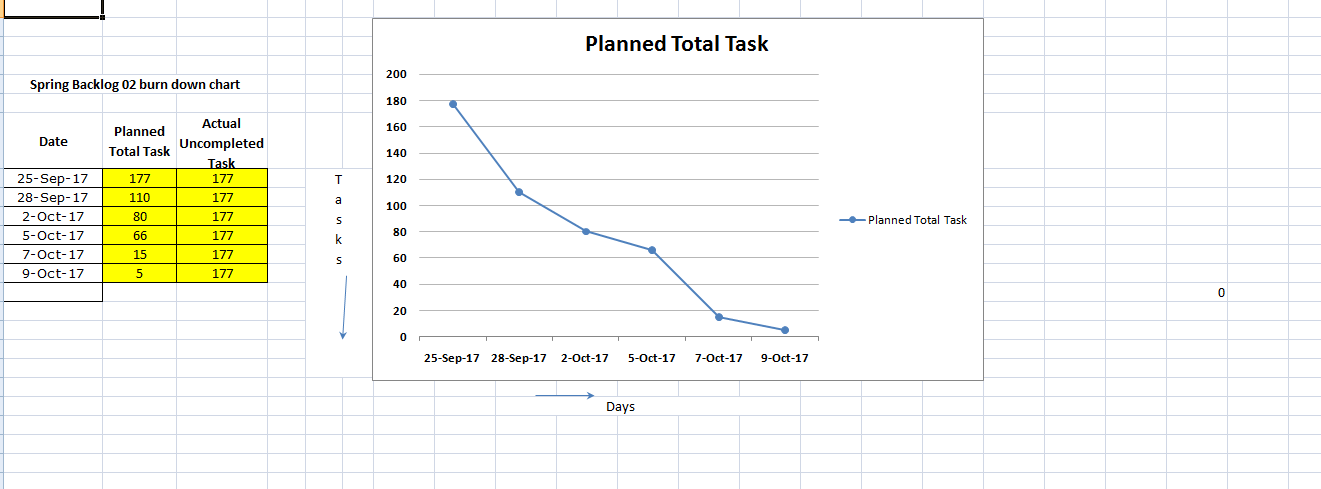
The work of the visitor which he will be completed in this are Search the near by location, Search the imags and video to download, check the availability of images and videos, download the images, view the downloaded images, view all images, Filter imags according to category, Select the Notifications settings, Select the Help & support,Select the GuideLines, Open prohibited imags, Select the Privacy Policy

**Screenshot of Sprint Backlog 2**

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**Screenshot of Graph**

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**2.4 SPRINT BACKLOG - 3**

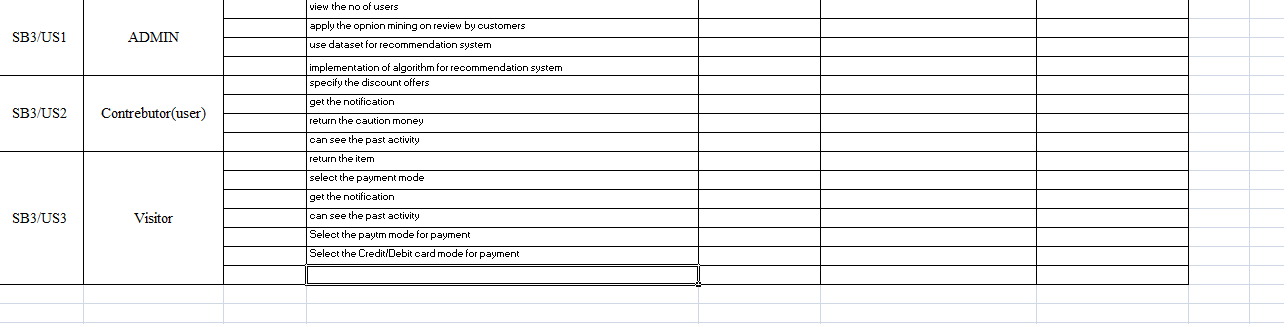
The work of the admin which he will be completed in this are view the no of users, apply the opinion mining on review by customers, use dataset for recommendation system, implementation of algorithm for recommendation system.This work of the admin will be done.

The work of the user which he will be completed in this are specify the discount offers, get the notification, return the caution money, can see the past activity. This work of the user will be done.

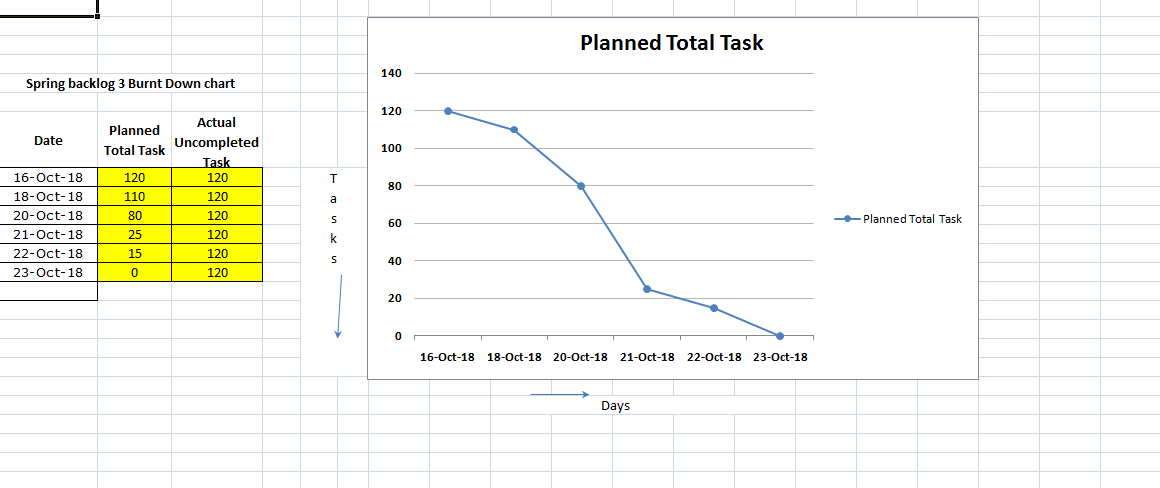
The work of the visitor which he will be completed in this are return the item ,select the payment mode, get the notification, can see the past activity, Select the paytm mode for payment, Select the Credit/Debit card mode for payment.This work of the visitor will be done.

**Screenshot of Product Backlog3**

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**Screenshot of Graph**



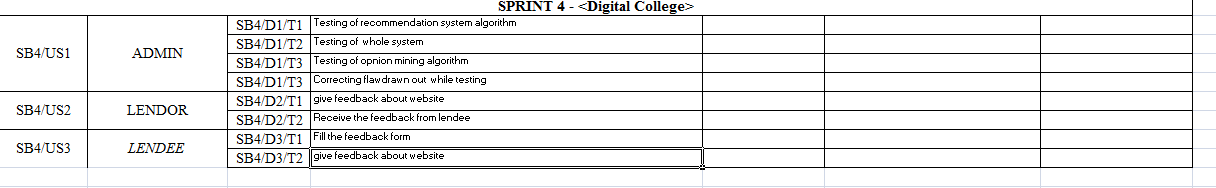
**2.5 SPRINT BACKLOG - 4**

The work of the admin which he will be completed in this are Testing of recommendation system algorithm, Testing of whole system, Testing of opnion mining algorithm, Correcting flawdrawn out while testing.This work of the admin will be done.

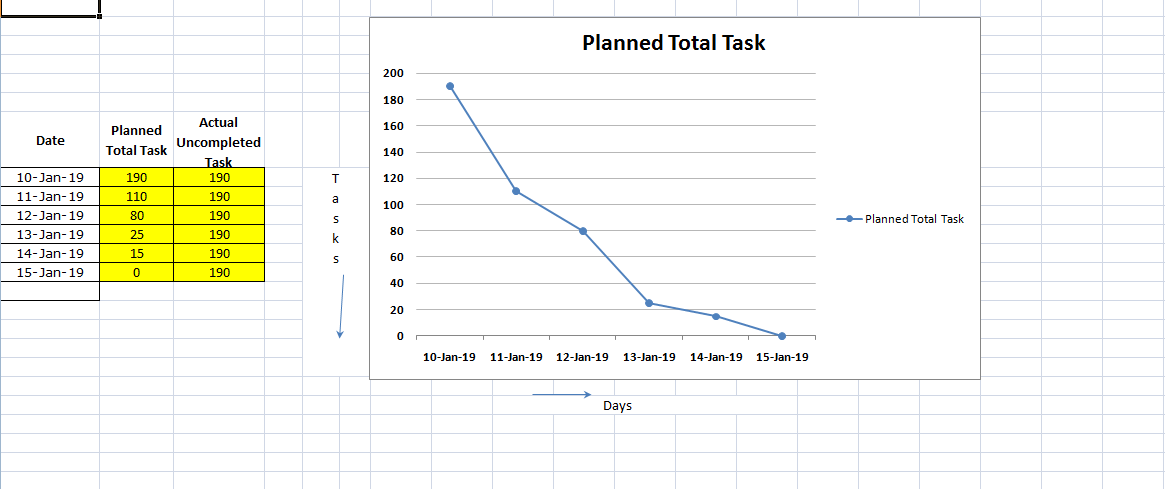
The work of the user which he will be completed in this are give feedback about website, Receive the feedback from lendee. This work of the user will be done.

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**Screenshot of Product Backlog3**

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**Screenshot of Graph**

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**CHAPTER 3**

**TECHNOLOGY APPLIED AND PROJECT MANAGEMENT**

**3.1 Project Management:**

Project management is the application of processes, methods, knowledge, skills and experience to achieve the project objectives. General. A project is a unique, transient endeavor, undertaken to achieve planned objectives, which could be defined in terms of outputs, outcomes or benefits.

Project management is the practise of initiating, planning, executing, controlling, and closing the [work](https://en.wikipedia.org/wiki/Work_(project_management)) of a [team](https://en.wikipedia.org/wiki/Project_team) to achieve specific goals and meet specific success criteria at the specified time. A [project](https://en.wikipedia.org/wiki/Project) is a temporary endeavor designed to produce a unique product, service or result with a defined beginning and end undertaken to meet unique goals and objectives, typically to bring about beneficial change or added value. The temporary nature of projects stands in contrast with [business as usual](https://en.wikipedia.org/wiki/Business_operations), which are repetitive, permanent, or semi-permanent functional activities to produce products or services. In practice, the [management](https://en.wikipedia.org/wiki/Management) of such distinct production approaches requires the development of distinct technical skills and management strategies.

**Software Project Management**

Software project management is the art and science of planning and leading software projects. It is a sub-discipline of [project management](https://en.wikipedia.org/wiki/Project_management) in which [software](https://en.wikipedia.org/wiki/Software) projects are planned, implemented, monitored and controlled.

The job pattern of an IT company engaged in software development can be seen split in two parts:

* Software Creation
* Software Project Management

A project is well-defined task, which is a collection of several operations done in order to achieve a goal (for example, software development and delivery). A Project can be characterized as:

* Every project may have a unique and distinct goal.
* Project is not routine activity or day-to-day operations.
* Project comes with a start time and end time.
* Project ends when its goal is achieved hence it is a temporary phase in the lifetime of an organization.
* Project needs adequate resources in terms of time, manpower, finance, material and knowledge-bank.

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**Software Project**

A Software Project is the complete procedure of software development from requirement gathering to testing and maintenance, carried out according to the execution methodologies, in a specified period of time to achieve intended software product.

**Need of Software Project Management**

Software is said to be an intangible product. Software development is a kind of all new stream in world business and there’s very little experience in building software products. Most software products are tailor made to fit client’s requirements. The most important is that the underlying technology changes and advances so frequently and rapidly that experience of one product may not be applied to the other one. All such business and environmental constraints bring risk in software development hence it is essential to manage software projects efficiently.



The image above shows triple constraints for software projects. It is an essential part of software organization to deliver quality product, keeping the cost within client’s budget constrain and deliver the project as per scheduled. There are several factors, both internal and external, which may impact this triple constrain triangle. Any of three factor can severely impact the other two.

Therefore, software project management is essential to incorporate user requirements along with budget and time constraints.

**Software Project Manager**

A software project manager is a person who undertakes the responsibility of executing the software project. Software project manager is thoroughly aware of all the phases of SDLC that the software would go through. Project manager may never directly involve in producing the end product but he controls and manages the activities involved in production.

A project manager closely monitors the development process, prepares and executes various plans, arranges necessary and adequate resources, maintains communication among all team members in order to address issues of cost, budget, resources, time, quality and customer

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Let us see few responsibilities that a project manager shoulders -

**Managing People**

* Act as project leader
* Liaison with stakeholders
* Managing human resources
* Setting up reporting hierarchy etc.

**Managing Project**

* Defining and setting up project scope
* Managing project management activities
* Monitoring progress and performance
* Risk analysis at every phase
* Take necessary step to avoid or come out of problems
* Act as project spokesperson

**Software Management Activities**

Software project management comprises of a number of activities, which contains planning of project, deciding scope of software product, estimation of cost in various terms, scheduling of tasks and events, and resource management. Project management activities may include:

* **Project Planning**
* **Scope Management**
* **Project Estimation**

**Project Planning**

Software project planning is task, which is performed before the production of software actually starts. It is there for the software production but involves no concrete activity that has any direction connection with software production; rather it is a set of multiple processes, which facilitates software production. Project planning may include the following:

**Scope Management**

It defines the scope of project; this includes all the activities, process need to be done in order to make a deliverable software product. Scope management is essential because it creates boundaries of the project by clearly defining what would be done in the project and what would not be done. This makes project to contain limited and quantifiable tasks, which can easily be documented and in turn avoids cost and time overrun.

During Project Scope management, it is necessary to -

* Define the scope

Decide its verification and control Page 14

Verify the scope

* Control the scope by incorporating changes to the scope

**Project Estimation**

For an effective management accurate estimation of various measures is a must. With correct estimation managers can manage and control the project more efficiently and effectively.

Project estimation may involve the following:

* **Software size estimation**

Software size may be estimated either in terms of KLOC (Kilo Line of Code) or by calculating number of function points in the software. Lines of code depend upon coding practices and Function points vary according to the user or software requirement.

* **Effort estimation**

The managers estimate efforts in terms of personnel requirement and man-hour required to produce the software. For effort estimation software size should be known. This can either be derived by managers’ experience, organization’s historical data or software size can be converted into efforts by using some standard formulae.

* **Time estimation**

Once size and efforts are estimated, the time required to produce the software can be estimated. An effort required is segregated into sub categories as per the requirement specifications and interdependency of various components of software. Software tasks are divided into smaller tasks, activities or events by Work Breakthrough Structure (WBS). The tasks are scheduled on day-to-day basis or in calendar months.

The sum of time required to complete all tasks in hours or days is the total time invested to complete the project.

* **Cost estimation**

This might be considered as the most difficult of all because it depends on more elements than any of the previous ones. For estimating project cost, it is required to consider -

* + Size of software
  + Software quality
  + Hardware
  + Additional software or tools, licenses etc.
* Page 15
  + Travel involved
  + Communication
  + Training and support

**Project Estimation Techniques**

We discussed various parameters involving project estimation such as size, effort, time and cost.Project manager can estimate the listed factors using two broadly recognized techniques

**Decomposition Technique**

This technique assumes the software as a product of various compositions.

There are two main models -

* **Line of Code** Estimation is done on behalf of number of line of codes in the software product.
* **Function Points** Estimation is done on behalf of number of function points in the software product.

**Empirical Estimation Technique**

This technique uses empirically derived formulae to make estimation.These formulae are based on LOC or FPs.

* **Putnam Model**

This model is made by Lawrence H. Putnam, which is based on Norden’s frequency distribution (Rayleigh curve). Putnam model maps time and efforts required with software size.

* **COCOMO**

COCOMO stands for ConstructiveCost Model, developed by Barry W. Boehm. It divides the software product into three categories of software: organic, semi-detached and embedded.

**Project Scheduling**

Project Scheduling in a project refers to roadmap of all activities to be done with specified order and within time slot allotted to each activity. Project managers tend to define various tasks, and project milestones and they arrange them keeping various factors in mind. They look for tasks lie in critical path in the schedule, which are necessary to complete in specific manner and strictly within the time allocated. Arrangement of tasks which lies out of critical path are less likely to impact over all schedule of the project.

For scheduling a project, it is necessary to -

* Break down the project tasks into smaller, manageable form
* Find out various tasks and correlate them
* Estimate time frame required for each task
* Divide time into work-units
* Assign adequate number of work-units for each task
* Calculate total time required for the project from start to finish

**Resource management**

All elements used to develop a software product may be assumed as resource for that project. This may include human resource, productive tools and software libraries.

The resources are available in limited quantity and stay in the organization as a pool of assets. The shortage of resources hampers the development of project and it can lag behind the schedule. Allocating extra resources increases development cost in the end. It is therefore necessary to estimate and allocate adequate resources for the project.

Resource management includes -

* Defining proper organization project by creating a project team and allocating responsibilities to each team member
* Determining resources required at a particular stage and their availability
* Manage Resources by generating resource request when they are required and de-allocating them when they are no more needed.

**Project Risk Management**

Risk management involves all activities pertaining to identification, analysing and making provision for predictable and non-predictable risks in the project. Risk may include the following:

* Experienced staff leaving the project and new staff coming in.
* Change in organizational management.
* Requirement change or misinterpreting requirement.
* Under-estimation of required time and resources.
* Technological changes, environmental changes, business competition.

**Risk Management Process**

There are following activities involved in risk management process:

* **Identification -** Make note of all possible risks, which may occur in the project.
* **Categorize -** Categorize known risks into high, medium and low risk intensity as per their possible impact on the project.
* **Manage -** Analyze the probability of occurrence of risks at various phases. Make plan to avoid or face risks. Attempt to minimize their side-effects.
* **Monitor -** Closely monitor the potential risks and their early symptoms. Also monitor the effects of steps taken to mitigate or avoid them.

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**Project Execution & Monitoring**

In this phase, the tasks described in project plans are executed according to their schedules.

Execution needs monitoring in order to check whether everything is going according to the plan. Monitoring is observing to check the probability of risk and taking measures to address the risk or report the status of various tasks.

These measures include -

* **Activity Monitoring -** All activities scheduled within some task can be monitored on day-to-day basis. When all activities in a task are completed, it is considered as complete.
* **Status Reports -** The reports contain status of activities and tasks completed within a given time frame, generally a week. Status can be marked as finished, pending or work-in-progress etc.
* **Milestones Checklist -** Every project is divided into multiple phases where major tasks are performed (milestones) based on the phases of SDLC. This milestone checklist is prepared once every few weeks and reports the status of milestones.

**Project Communication Management**

Effective communication plays vital role in the success of a project. It bridges gaps between client and the organization, among the team members as well as other stake holders in the project such as hardware suppliers.

Communication can be oral or written. Communication management process may have the following steps:

* **Planning** - This step includes the identifications of all the stakeholders in the project and the mode of communication among them. It also considers if any additional communication facilities are required.
* **Sharing** - After determining various aspects of planning, manager focuses on sharing correct information with the correct person on correct time. This keeps every one involved the project up to date with project progress and its status.
* **Feedback** - Project managers use various measures and feedback mechanism and create status and performance reports. This mechanism ensures that input from various stakeholders is coming to the project manager as their feedback.
* **Closure** - At the end of each major event, end of a phase of SDLC or end of the project itself, administrative closure is formally announced to update every stakeholder by sending email, by distributing a hardcopy of document or by other mean of effective communication.

After closure, the team moves to next phase or project.

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**Configuration Management**

Configuration management is a process of tracking and controlling the changes in software in terms of the requirements, design, functions and development of the product

.

IEEE defines it as “the process of identifying and defining the items in the system, controlling the change of these items throughout their life cycle, recording and reporting the status of items and change requests, and verifying the completeness and correctness of items”.

Generally, once the SRS is finalized there is less chance of requirement of changes from user. If they occur, the changes are addressed only with prior approval of higher management, as there is a possibility of cost and time overrun.

**Project management Tools:**

Project management required tools to manage the work, time and resources. At present many of the software are available for project management. Some of the popular software tools are as follows.

### 01. [Trello](http://send.getapp.com/aff_c?offer_id=677&aff_id=1371)

Trello is a project management tool, instead this app is a free visual way to to glance at the entire project with a single view. With Trello you can organise cards, these cards can be your thoughts, conversations and to-do lists and be placed on a board for everyone to collaborate on.

### 02. [Basecamp](http://send.getapp.com/aff_c?offer_id=637&aff_id=1371)

Basecamp is the granddaddy of project management apps. Basecamp is considered the leading project management tool around. It boost a simple and easy to use interface to collaborate with your team and client. It allows you to create multiple projects and setup discussions, write to-do lists, manage files, create and share documents, and organise dates for scheduling.

### 03. [Teamwork Projects](http://send.getapp.com/aff_c?offer_id=947&aff_id=1371)

Teamwork Projects is the ultimate productivity tool to manage projects with your team. Teamwork allows you to keep all your projects, tasks and files all in one place and easily collaborate with a team. Teamwork helps you to visualise the entire project through a marked calendar and gantt chart and setup reporting. Teamwork supports file management with Google Drive, Box.com and Dropbox. As well as integration with leading apps such as third party accounting software and customer support apps.

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### 04. [Resource Guru](https://resourceguruapp.com/)

Billed as the "simple way to schedule people, equipment and other resources", Resource Guru is a streamlined resource scheduling and leave management tool that’s designed to keep your projects on track. You can plan your team's workloads, receive daily booking reminders, report on KPIs, and more. Apple, Saatchi & Saatchi and Deloitte are among some of the cloud-based team calendar’s heavyweight customers.

### 05. [ActiveCollab](http://send.getapp.com/aff_c?offer_id=949&aff_id=1371)

ActiveCollab recently released its new version 5.0. The new revamped app is now more powerful and focused project management tool. It offers team collaborating features, task management, time tracking and importing expenses. One of the biggest asset of ActiveCollab is it offers invoicing features. You are able to track payments and expenses and have invoices paid directly within ActiveCollab with PayPal, and other credit card payments.

### 06. [Zoho Projects](http://send.appdoubler.com/aff_c?offer_id=101&aff_id=1371)

Zoho offers a wide range of business software including Projects. Zoho Projects is an proficient tool to project plan and project coordinator from start to finish. It boost all the features you need for project management with some advance features including reporting, integration with Google Apps and Dropbox, bug tracking, setup Wiki Pages to build a repository of information, forums and more.

### 07. [Jira](http://send.getapp.com/aff_c?offer_id=281&aff_id=1371)

Jira is specifically targeted for software development teams. Jira offers abilities to raise issues and bugs. Jira makes it real easy to track bugs and see which issues are still outstanding and how much time was spent on each task. Jira offer other products including Confluence a document collaboration tool, and HipChat a team chat and video and file sharing platform and other products.

### 08. [Asana](http://send.getapp.com/aff_c?offer_id=587&aff_id=1371)

Asana is the easiest way for teams to track their work so everyone knows who's doing what, by when. With tasks, projects, conversations and dashboards, Asana keeps your work organized, and teammates accountable so you can move work forward faster. Asana also lets you keep track of your work wherever you are with mobile apps for both iOS and Android.

### 09. [Podio](http://send.getapp.com/aff_c?offer_id=951&aff_id=1371)

Podio is a ever growing tool to organise and communication tool for any business. Podio allows you to personalise this platform to fit your business needs. Besides being able to communicate with a team, setup task management, use as a file storage system, like a traditional project management app, Podio can be an internal intranet for all your colleagues and departments to interact.

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### 10. [Freedcamp](https://freedcamp.com/)

Whatever your project may be, either setting up an event, a web project or organising a wedding, Freedcamp helps you organise and plan effectively. Freedcamp has an organised dashboard to view the entire project at a glance. You can easily setup tasks, use sticky notes to visually setup tasks and organise them into the calendar. Freedcamp provides advance add-ons for high level business use including CRM, invoicing, issue tracking and setting up wiki pages.

### 11. [Wrike](http://send.getapp.com/aff_c?offer_id=239&aff_id=1371)

Wrike is advance application to help you work smarter. By making sure you are always staying on track and ensure you have the adequate resources to finish on time and on budget.Setting up tasks, engage your team and integrate with your business tools including Google Apps, Microsoft Excel, Dropbox and many more is so easy with Wrike.

**PO and Their Relevance to project**

**PO1: Engineering knowledge:**Apply the knowledge of mathematics, science, engineering fundamentals and an engineering specialization to the solution of complex engineering problems.

In this project creation process engineering knowledge of the software engineering and Electronics engineering have been applied. we have used software engineering , HTML,xml, java , android , java script , php , j2ee, data base , oracle , my sql , mango and other programming language and database to the project. We have applied all above engineering subjects in our projects.

**PO2: Problem analysis:**Identify, formulate, review research literature, and analyze complex engineering problems reaching substantiated conclusions using first principles of mathematics, natural sciences, and engineering sciences.

In our projects we have identified aproblem, once verified by the client we have worked to identify the solution using all of our theoretical and practical knowledge.

**PO3: Design/development of solutions:** Design solutions for complex engineering problems and design system components or processes that meet the specified needs with appropriate consideration for the public health and safety, and the cultural, societal, and environmental considerations.

**PO4: Conduct investigations of complex problems:** Use research-based knowledge and research methods including design of experiments, analysis and interpretation of data, and synthesis of the information to provide valid conclusions.

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**PO5: Modern tool usage:**Create, select, and apply appropriate techniques, resources, and modern engineering and IT tools including prediction and modeling to complex engineering activities with an understanding of the limitations.

In the project development we have applied Integrated Development Environment IDE for the rapid development of the code, used web server for the software development.

**PO6: The engineer and society**: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional engineering practice.

In 1961, the Conference of Engineering Societies of Western Europe and the United States of America defined "professional engineer" as follows.

A professional engineer is competent by virtue of his/her fundamental education and training to apply the scientific method and outlook to the analysis and solution of engineering problems. He/she is able to assume personal responsibility for the development and application of engineering science and knowledge, notably in research, design, construction, manufacturing, superintending, and managing and in the education of the engineer. His/her work is predominantly intellectual and varied and not of a routine mental or physical character. It requires the exercise of original thought and judgement and the ability to supervise the technical and administrative work of others. His/her education will have been such as to make him/her capable of closely and continuously following progress in his/her branch of engineering science by consulting newly published works on a worldwide basis, assimilating such information and applying it independently. He/she is thus placed in a position to make contributions to the development of engineering science or its applications. His/her education and training will have been such that he/she will have acquired a broad and general appreciation of the engineering sciences as well as thorough insight into the special features of his/her own branch. In due time he/she will be able to give authoritative technical advice and to assume responsibility for the direction of important tasks in his/her branch.

**PO7: Environment and sustainability:** Understand the impact of the professional engineering solutions in and environmental contexts, and demonstrate the knowledge of, and need for sustainable development.

Sustainability is the ability to continue a defined behavior indefinitely. Sometimes environmental, social and economic are termed to be the three pillars of sustainability.

**PO8: Ethics**: Apply ethical principles and commit to professional ethics and responsibilities and norms of the engineering practice

The ethics of engineers and the fundamental principles for Engineers are as follows.

Engineers uphold and advance the integrity, honor and dignity of the engineering profession Page 22

I. using their knowledge and skill for the enhancement of human welfare;

II.being honest and impartial, and servicing with fidelity the public, their employers and clients;

III. Striving to increase the competence and prestige of the engineering profession; and

IV. Supporting the professional and technical societies of their disciplines.   
  
  
**PO9. Individual and team work**: Function effectively as an individual and as a member or leader in diverse teams, and in multidisciplinary settings.  
  
  
To work successful in team a team member must have following capabilities.

**1. The Ability to Listen**

It is important to listen to one another's ideas. Too often in a business setting, you have a group of people simply waiting for their turn to speak, not paying one iota of attention to the persons on their left or right. So it is a good teamwork skill to have the ability to listen

**2. Check Your Ego**

This isn't saying abandon your ego all together, because that isn't healthy. But leaving your ego at the door temporarily is a very important team work skill. The reason this is so essential is because there is always someone better than you at something, no matter how brilliant you are.

**3. Critique**

By critique, I mean constructive criticism. Be able to give others constructive criticism and be able to listen to others critique your ideas and work. There shouldn't be any offense taken to constructive criticism. You all want to succeed, and this is a vital step in doing so.

**4. Delegation**

The mentality must be applied to teamwork. Delegate roles to those who do those best.

**5. Show Respect**

If you and another person happen to be paired up and can't stand each other, you can still put that aside for a couple of hours, treat each other civilly, and complete the tasks at hand. You may even overcome the dislike toward one another.

**6. Be Helpful**

This is simple. If one of your teammates does not understand an idea, discussion, or task that is being completed, take the necessary time to explain it to them and work with them. There are no weak links when everyone helps one another. Some take longer to learn than others, but that doesn't mean that they are of less intelligence. If in a meeting someone asks a question because they don't understand, don't frown at them. Just answer the questions patiently and concisely.

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**7. Question One Another**

If someone brings up a topic of discussion and a solution to this topic, question them. Respectfully question, don't badger. Rather, ask them how it will work, why it will work over the long-run, and how everyone else can implement the idea.

**8. Participation**

Have the entire team encourage shy people to engage in the topics of discussion. Don't demand it, but make them realize that you really want to hear their ideas.

**9. Rational Debate**

Bad ideas are bad for teams. Spirited, friendly, rational debate is where facts come forward, ideas are born, and quality rises to the top.

**10. Set the Right Environment**

Try to make the space in which your team is assembled as comfortable, relaxing, and inviting as possible. You do not want your team to be tense and with frayed nerves.

**PO 10: Communication:**Communicate effectively on complex engineering activities with the engineering community and with society at large, such as, being able to comprehend and write effective reports and design documentation, make effective presentations, and give and receive clear instructions.

**PO11: Project management and finance:**Demonstrate knowledge and understanding of the engineering management principles and apply these to one’s own work, as a member and leader in a team, to manage projects and in multidisciplinary environments.

Project management is the application of processes, methods, knowledge, skills and experience to achieve the project objectives. In general project is a unique, transient endeavour, undertaken to achieve planned objectives, which could be defined in terms of outputs, outcomes or benefits.

**PO12: Life-long learning**: Recognize the need for and have the preparation and ability to engage in independent and lifelong learning in the broadest context of technological change.

Life Long Learning means is the provision or use of both formal and informal learning opportunities throughout people's lives in order to foster the continuous development and improvement of the knowledge and skills needed for employment and personal fulfillment

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**CHAPTER 4**

**PROJECT IMPLEMENTATION**

( Each Spring Backlog of 13-17 Pages total Chapter Size 50-70 pages)

1. Sprint Backlog-1  
     
   ( ***Project Design , Algo ,Database Design , ERD , Project Code ( Sample code only Limited to Max of 2-3 Page if needed , Project Screen Shots*** )
2. Sprint Backlog-2

( ***Project Design , Algo ,Database Design , ERD , Project Code ( Sample code only Limited to Max of 2-3 Page if needed , Project Screen Shots***

1. Sprint Backlog-3

( ***Project Design , Algo ,Database Design , ERD , Project Code ( Sample code only Limited to Max of 2-3 Page if needed , Project Screen Shots*** )

1. Sprint Backlog-4  
     
   ( ***Project Design , Algo ,Database Design , ERD , Project Code ( Sample code only Limited to Max of 2-3 Page if needed , Project Screen Shots*** )

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**CHAPTER 5**

**CONCLUSION**

**Results**

**Conclusion**

Photography is more than a documentation process it is more, it is an art form and should be treated with the same respect as painting, sculpture, and the other well known art forms. Photographs, like paintings, are artificially constructed portrayals: they have to be carefully composed, lit and produced. Its difficult to see why for so long photography struggled to gained its recognition as a legitimate art form. Photographers like other artists show their knowledge of art through the images.  We have reached a point in history when photographs are more accessible than anytime before and through the advancements in digital technology taking photographs is easier and more convenient than ever before. Photography deserves respect, its presence and influence in the art world in equivalent to the other forms of art.

**Future Scope**

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**ANNEXURES**

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Research Paper ( if Presented and approved for publication)

DST Document presented for grants.

CV

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