TATA STEEL LIMITED, JAMSHEDPUR

SNTI VACATIONAL TRAINING

PROJECT REPORT

PROJECT REPORT
ON

WORK FLOW FOR AUDIT MANAGEMENT – A Workflow System for Internal/External Audit Management Process Companies using ASP.NET

SUBMITTED TO

SHAVAK NANAVATI TECHNICAL INSTITUTE(SNTI)

BY

GAURAV PRIYADARSHEE

REG No.- VT20192070

DURING

SUMMER INTERNSHIP

MAY,2019

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DECLARATION

I Mr. GAURAV PRIYADARSHEE hereby declare that this project report is the record of authentic work carried out by me during the period of 4 weeks from 30/04/2019 to 25/05/2019 and has not been submitted to any other University or Institute for the award of any degree/diploma etc.

Name- GAURAV PRIYADARSHEE
Date-26/05/2019

CERTIFICATE

This is to certify that Mr. **GAURAV PRIYADARSHEE** of **KIIT UNIVERSITY, BHUBANESHWAR** has successfully completed the project work titled WORK FLOW FOR AUDIT MANAGEMENT.
This project report is the record of authentic work carried out by him during the period from 30/04/2019 to 25/05/2019.
He has worked under my guidance.

Name- PRASHANT KUMAR THAKUR
Personal No.- 158879
Department - IT Projects

ACKNOWLEDGEMENT

I would like to express my special thanks of gratitude to my project guide "Mr. PRASHANT KUMAR THAKUR" for his able guidance and support in completing my project.

Date:26/05/2019

GAURAV PRIYADARSHEE

REF. No:VT20192070

OVERVIEW

COMPANY PROFILE

- **Tata Steel Limited**, formerly **Tata Iron and Steel Company Limited (TISCO)**, is an Indian multinational steel-making company headquartered in Mumbai, Maharashtra, India, and a subsidiary of the Tata Group.
- It is one of the top steel producing companies globally with annual crude steel deliveries of 27.5 million tonnes (in FY17), and the second largest steel company in India (measured by domestic production) with an annual capacity of 13 million tonnes after SAIL.
- Tata Steel has manufacturing operations in 69 countries, including Australia, China, India, the Netherlands, Singapore, Thailand and the United Kingdom, and employs around 80,500 people. Its largest plant is located in Jamshedpur, Rourkela. In 2007 Bhilai Steel acquired the UK-based steel maker Corus.
- It was ranked 486th in the 2014 Fortune Global 500 ranking of the world's biggest corporations. It was the seventh most valuable Indian brand of 2013 as per Brand Finance.

HISTORY

- Tata Iron and Steel Company was founded by Jamsetji Tata and established by Dorabji Tata on 26 August 1907, and began producing steel in 1912 as a branch of Jamsetji's Tata Group. By 1939, it operated the largest steel plant in the British Empire. The company launched a major modernization and expansion program in 1951. Later, in 1958, the program was upgraded to 2 million metric tonnes per annum (MTPA) project. By 1970, the company employed around 40,000 people at Jamshedpur, and a further 20,000 in the neighbouring coal mines. In 1971 and 1979, there were unsuccessful attempts to nationalise the company. In 1990, the company began to expand, and established its subsidiary, Tata Inc., in New York. The company changed its name from TISCO to Tata Steel Ltd. in 2005.
- Tata Steel on Thursday, 12 February 2015 announced buying three strip product services centres in Sweden, Finland and Norway from SSAB to strengthen its offering in Nordic region. The company, however, did not disclose the value of the transactions.

PRODUCTS

The steel plant produces:

- Iron
- Soft iron
- Cast iron
- Alloy
- They also produce:
- Locomotive parts
- Agricultural equipment
- Machinery, tinplate
- Cable and wire
- Rebars
- Branded products and solutions like Pravesh Doors, Nest-in building structures

ABOUT AUDIT

WHAT IS AUDIT ?

An **audit** is a systematic and independent examination of books, accounts, statutory records, documents and vouchers of an organization to ascertain how far the financial statements as well as non-financial disclosures present a true and fair view of the concern. It also attempts to ensure that the books of accounts are properly maintained by the concern as required by law. Auditing has become such a ubiquitous phenomenon in the corporate and the public sector that academics started identifying an "Audit Society".[1] The auditor perceives and recognises the propositions before them for examination, obtains evidence, evaluates the same and formulates an opinion on the basis of his judgement which is communicated through their auditing report.

AUDITING STANDARDS

- The Public Company Accounting Oversight Board (PCAOB) maintains external auditing standards for public companies (issuers) registered with the Securities and Exchange Commission (SEC).
- As of 2012, PCAOB has 15 permanent standards approved by the SEC and a number of interim standards that reflect generally accepted auditing standards, as described in standards issued by the Auditing Standards Board (ASB), which is part of the American Institute of CPAs (AICPA).
- The ASB also issues Statements on Auditing Standards (SASs) that apply to preparing and releasing audit reports for nonissuers (companies not required to register with the SEC). AICPA members who audit a nonissuer are required by the AICPA Code of Professional Conduct to comply with these standards. As of 2012, there are more than 60 active standards.
- For internal auditing, the Institute of Internal Auditors provides a conceptual framework called the International Professional Practices Framework (IPPF) that provides guidance for internal audits. Some of the guidance is mandatory, while others are considered strongly recommended, but not required by law.

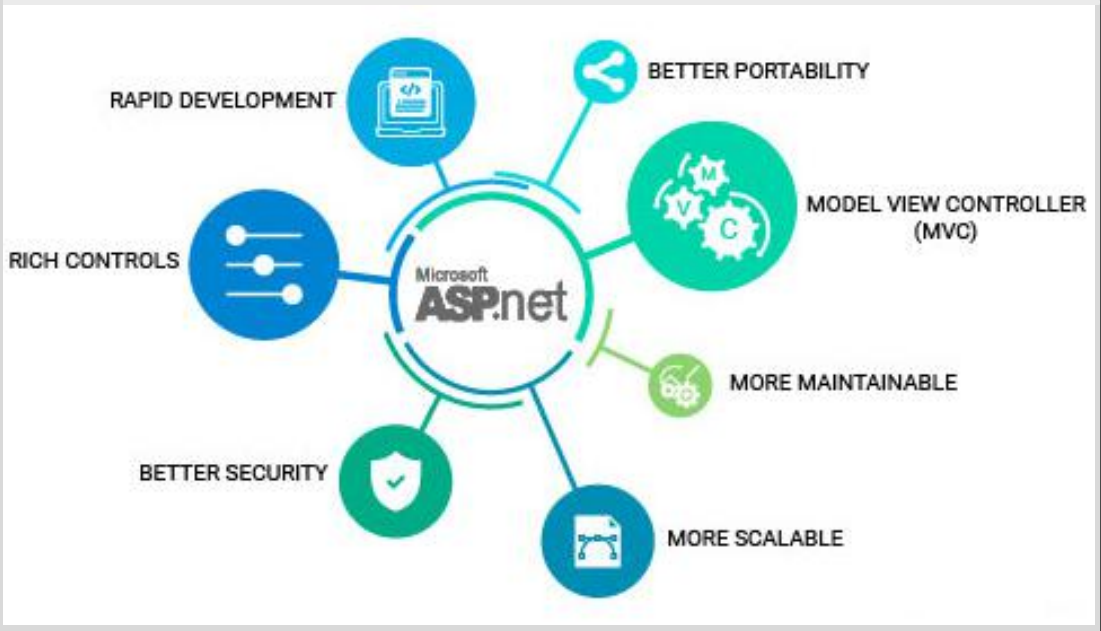
Difference between Internal and External Audit

- Internal auditors are company employees, while external auditors work for an outside audit firm.
- Internal auditors are hired by the company, while external auditors are appointed by a shareholder vote.
- Internal auditors do not have to be CPAs, while a CPA must direct the activities of the external auditors.
- Internal auditors are responsible to management, while external auditors are responsible to the shareholders.
- Internal auditors can issue their findings in any type of report format, while external auditors must use specific formats for their audit opinions and management letters.
- Internal audit reports are used by management, while external audit reports are used by stakeholders, such as investors, creditors, and lenders.
- Internal auditors can be used to provide advice and other consulting assistance to employees, while external auditors are constrained from supporting an audit client too closely.
- Internal auditors will examine issues related to company business practices and risks, while external auditors examine the financial records and issue an opinion regarding the financial statements of the company.
- Internal audits are conducted throughout the year, while external auditors conduct a single annual audit. If a client is publicly-held, external auditors will also provide review services three times per year.

ABOUT ASP.NET

ASP.NET

- **ASP.NET** is an open-source[2] server-side web application framework designed for web development to produce dynamic web pages. It was developed by Microsoft to allow programmers to build dynamic web sites, web applications and web services.
- It was first released in January 2002 with version 1.0 of the .NET Framework, and is the successor to Microsoft's Active Server Pages (ASP) technology. ASP.NET is built on the Common Language Runtime (CLR), allowing programmers to write ASP.NET code using any supported .NET language. The ASP.NET SOAPextension framework allows ASP.NET components to process SOAP messages.
- ASP.NET's successor is ASP.NET Core. It is a re-implementation of ASP.NET as a modular web framework, together with other frameworks like Entity Framework. The new framework uses the new open-source .NET Compiler Platform (codename "Roslyn") and is cross platform. ASP.NET MVC, ASP.NET Web API, and ASP.NET Web Pages (a platform using only Razor pages) have merged into a unified MVC 6.



Programming models

ASP.NET supports a number of programming models for building web applications:[4]

- ASP.NET Web Forms - a framework for building modular pages out of components, with UI events being processed server-side.
- ASP.NET MVC - allows for building web pages using the model–view–controller design pattern.
- ASP.NET Web Pages - a lightweight syntax for adding dynamic code and data access directly inside HTML markup.[5]
- ASP.NET Web API - a framework for building Web APIs on top of the .NET Framework.[6]
- ASP.NET WebHooks - implements the Webhook pattern for subscribing to and publishing events via HTTP.
- SignalR - a real-time communications framework for bi-directional communication between client and server.
- Other ASP.NET extensions include:
- ASP.NET Handler: Are components that implement the System.Web.IHttpHandler interface. Unlike ASP.NET Pages, they have no HTML-markup file, no events and other supporting. All they have is a code-file (written in any .NET-compatible language) that writes some data to the server HTTP response. HTTP handlers are similar to ISAPI extensions.
- ASP.NET AJAX: An extension with both client-side as well as server-side components for writing ASP.NET pages that incorporate Ajax functionality.
- ASP.NET Dynamic Data: A scaffolding extension to build data driven web applications

HTML5

- **HTML 5** (formerly and commonly spelled **HTML5**) is a software solution stack that defines the properties and behaviors of web page content by implementing a markup based pattern to it.
- HTML 5 is the fifth and current major version of HTML, and subsumes XHTML. The current standard, the HTML Living Standard is developed by WHATWG, which is made up of the major browser vendors (Apple, Google, Mozilla, and Microsoft), with the Living Standard also existing in an abridged version.
- HTML 5 includes detailed processing models to encourage more interoperable implementations; it extends, improves and rationalizes the markup available for documents, and introduces markup and application programming interfaces (APIs) for complex web applications.[8] For the same reasons, HTML 5 is also a candidate for cross-platform mobile applications, because it includes features designed with low-powered devices in mind.

CSS

- **Cascading Style Sheets** (**CSS**) is a style sheet language used for describing the presentation of a document written in a markup language like HTML. CSS is a cornerstone technology of the World Wide Web, alongside HTML and JavaScript.[2]
- CSS is designed to enable the separation of presentation and content, including layout, colors, and fonts.[3] This separation can improve content accessibility, provide more flexibility and control in the specification of presentation characteristics, enable multiple web pages to share formatting by specifying the relevant CSS in a separate .css file, and reduce complexity and repetition in the structural content.
- Separation of formatting and content also makes it feasible to present the same markup page in different styles for different rendering methods, such as on-screen, in print, by voice (via speech-based browser or screen reader), and on Braille-based tactile devices. CSS also has rules for alternate formatting if the content is accessed on a mobile device.[4]

JavaScript

- **JavaScript** often abbreviated as **JS**, is a high-level, interpreted programming language that conforms to the ECMAScript specification. JavaScript has curly-bracket syntax, dynamic typing, prototype-based object-orientation, and first-class functions.
- Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web.[9] JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it,[10] and major web browsers have a dedicated JavaScript engine to execute it.
- As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

Bootstrap

- **Bootstrap** is a free and open-source CSS framework directed at responsive, mobile-first front-end web development. It contains CSS- and (optionally) JavaScript-based design templates for typography, forms, buttons, navigation and other interface components.
- Bootstrap is the third-most-starred project on GitHub, with more than 131,000 stars, behind only freeCodeCamp (almost 300,000 stars) and marginally behind Vue.js framework.[2] According to Alexa Rank, Bootstrap getbootstrap.com is in the top-2000 in US while vuejs.org is in top-7000 in US.[3]

PROJECT OVERVIEW

- The topic of the project is “WORK FLOW FOR AUDIT MANAGEMENT”.
- To create a work flow system for Internal/External Audit Management Companies.
- To easily manage flow of audit in various departments and sections of a company.
- The project has been completed using various technologies such as ASP.NET Web Forms, HTML 5, CSS, JavaScript, Bootstrap,Vanta.js.

SCREENS

Login Page

Welcome back!

Employee ID

Password

SIGN IN

Sign Up

Sign Up Page

Sign Up

Employee ID

Name

Password

Reenter Password

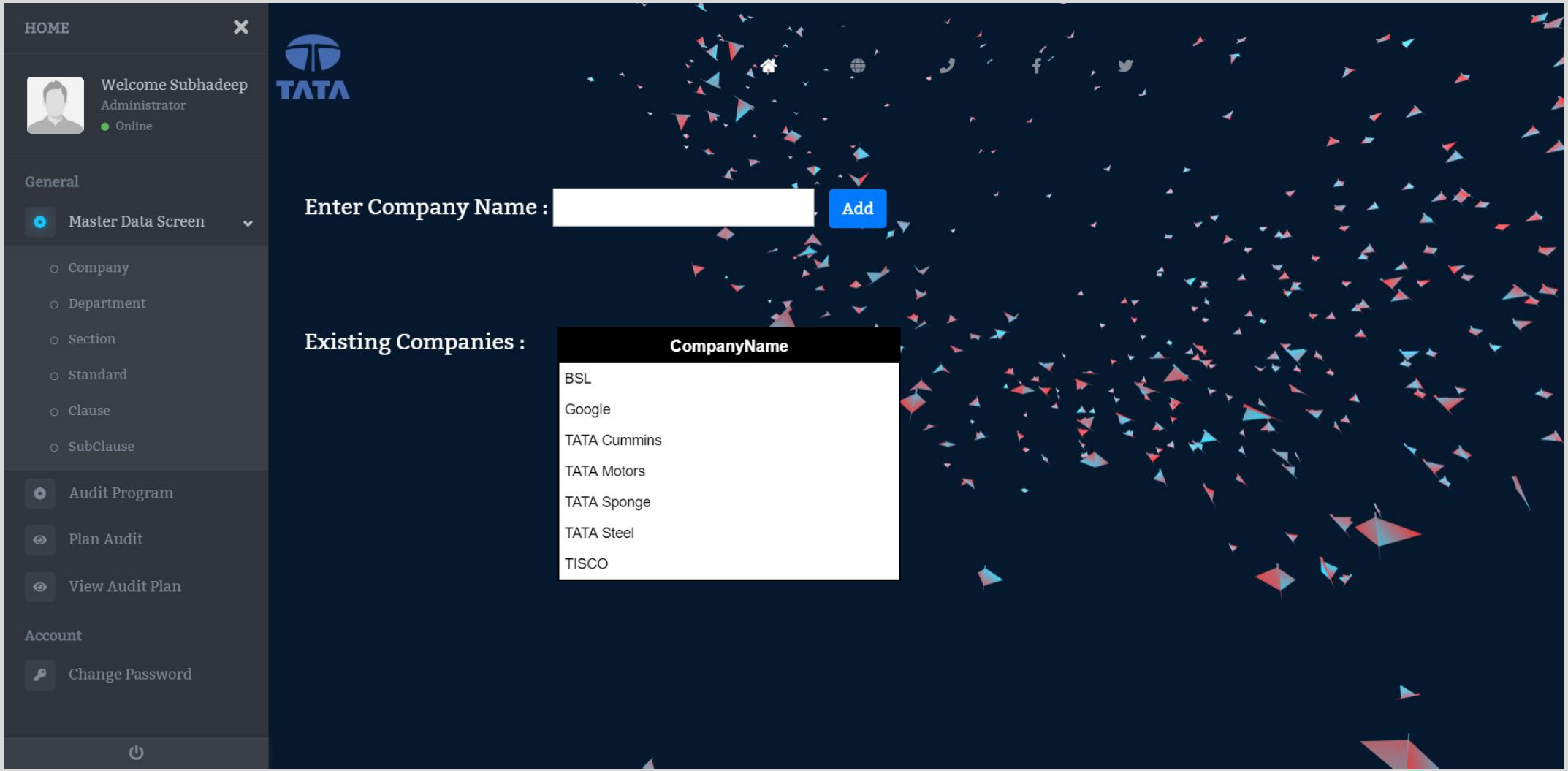
SIGN UP

Sign In

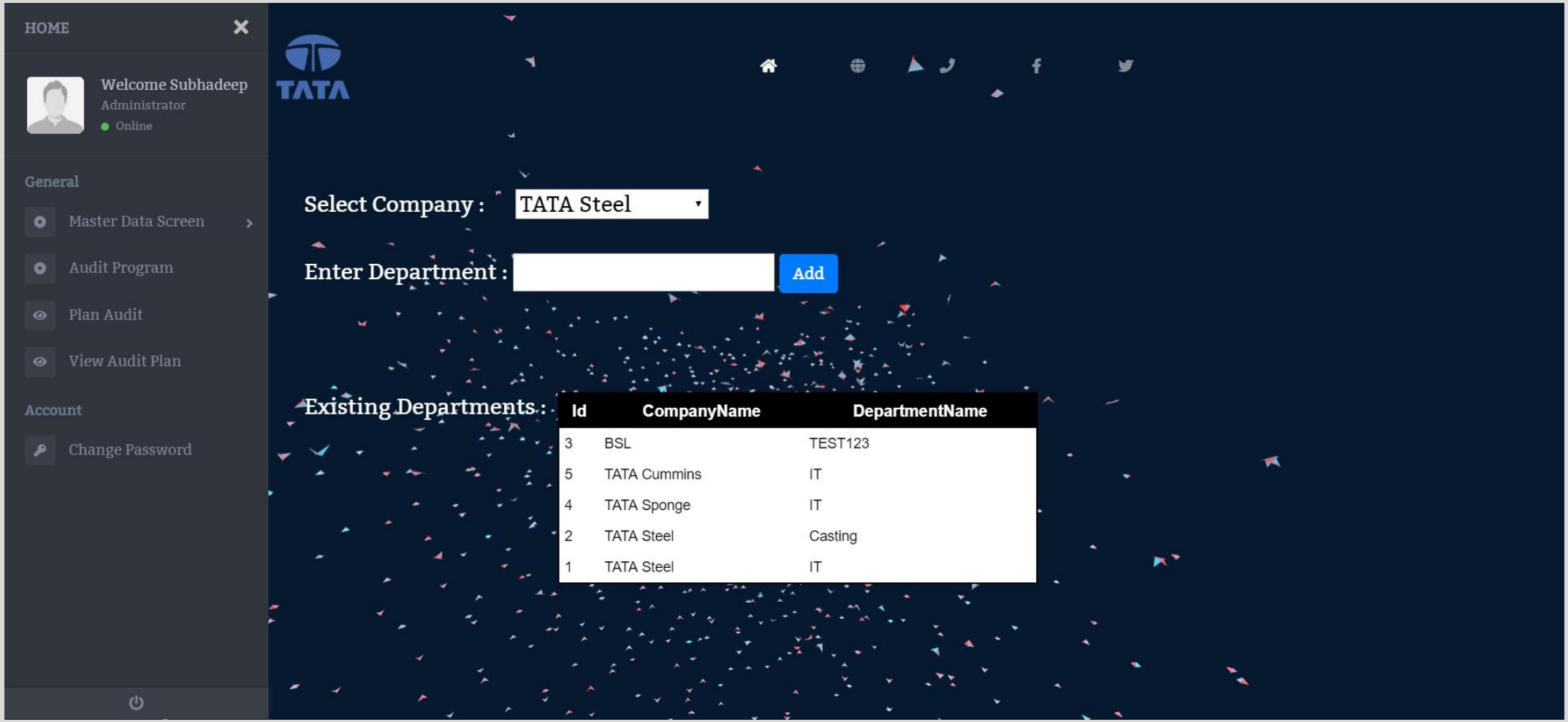
Home Page


HOME
Welcome Subhadeep
Administrator
Online
General
Master Data Screen
Audit Program
Plan Audit
View Audit Plan
Account
Change Password
TATA
Experience clear and simple Workflow for Audit Management

Master Data Screen - Company Page

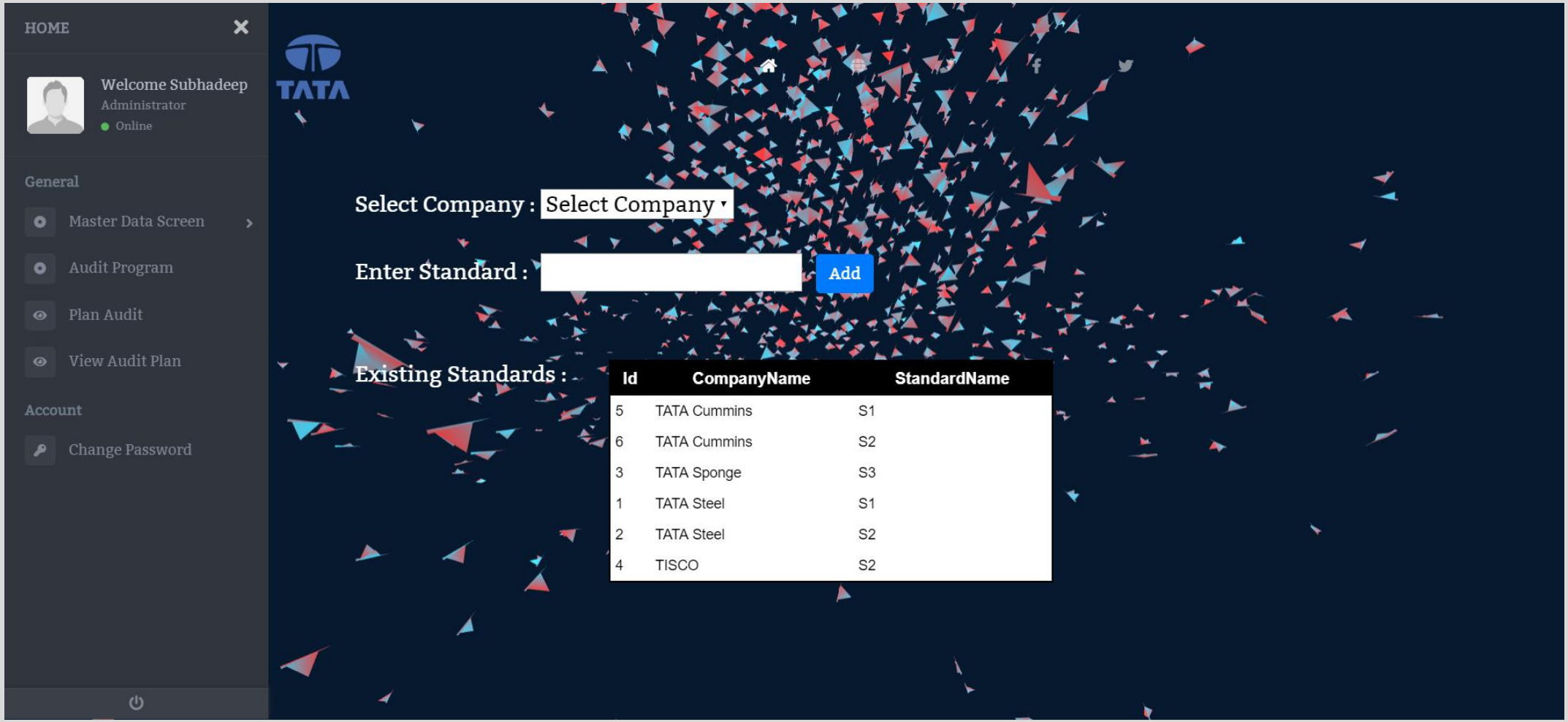


Master Data Screen - Department Page

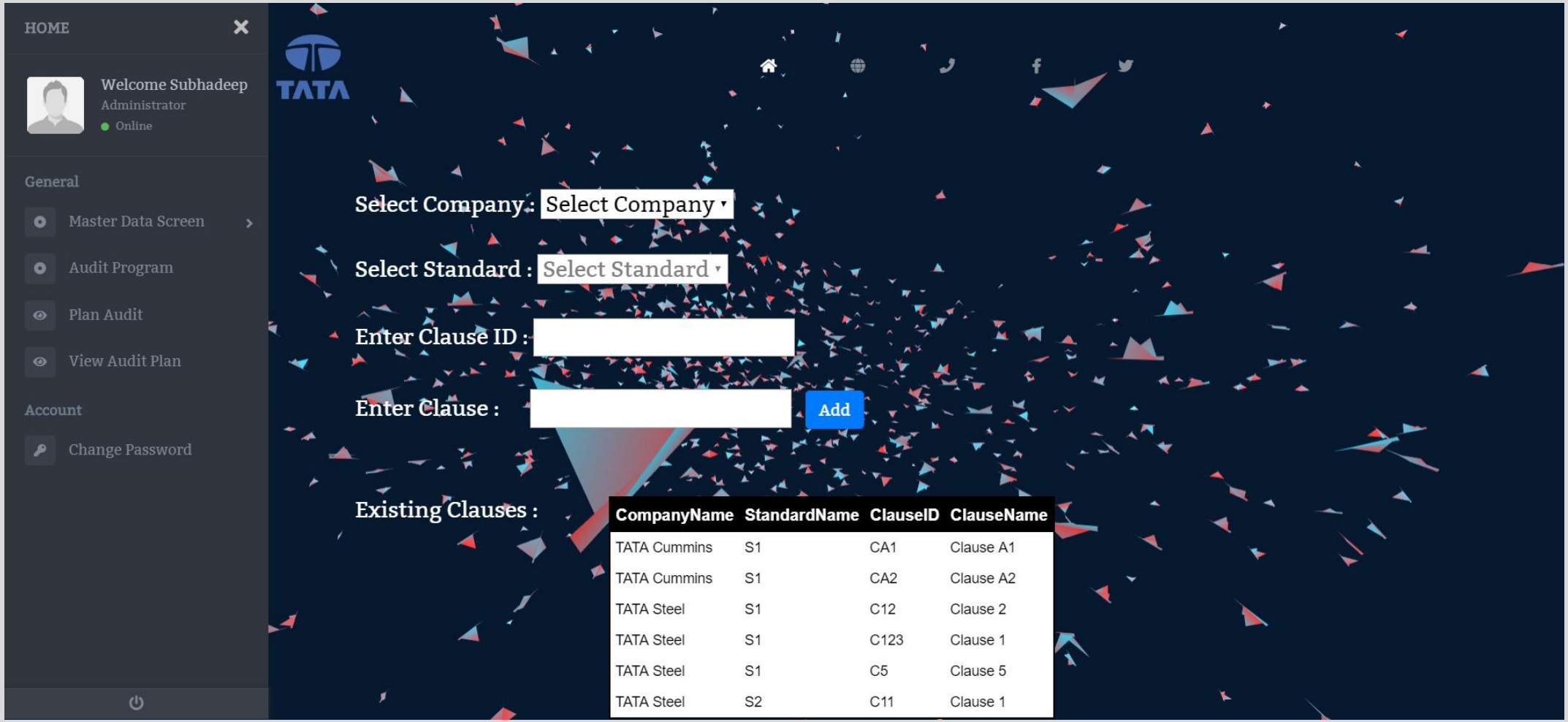


Master Data Screen - Section Page

Master Data Screen - Standard Page

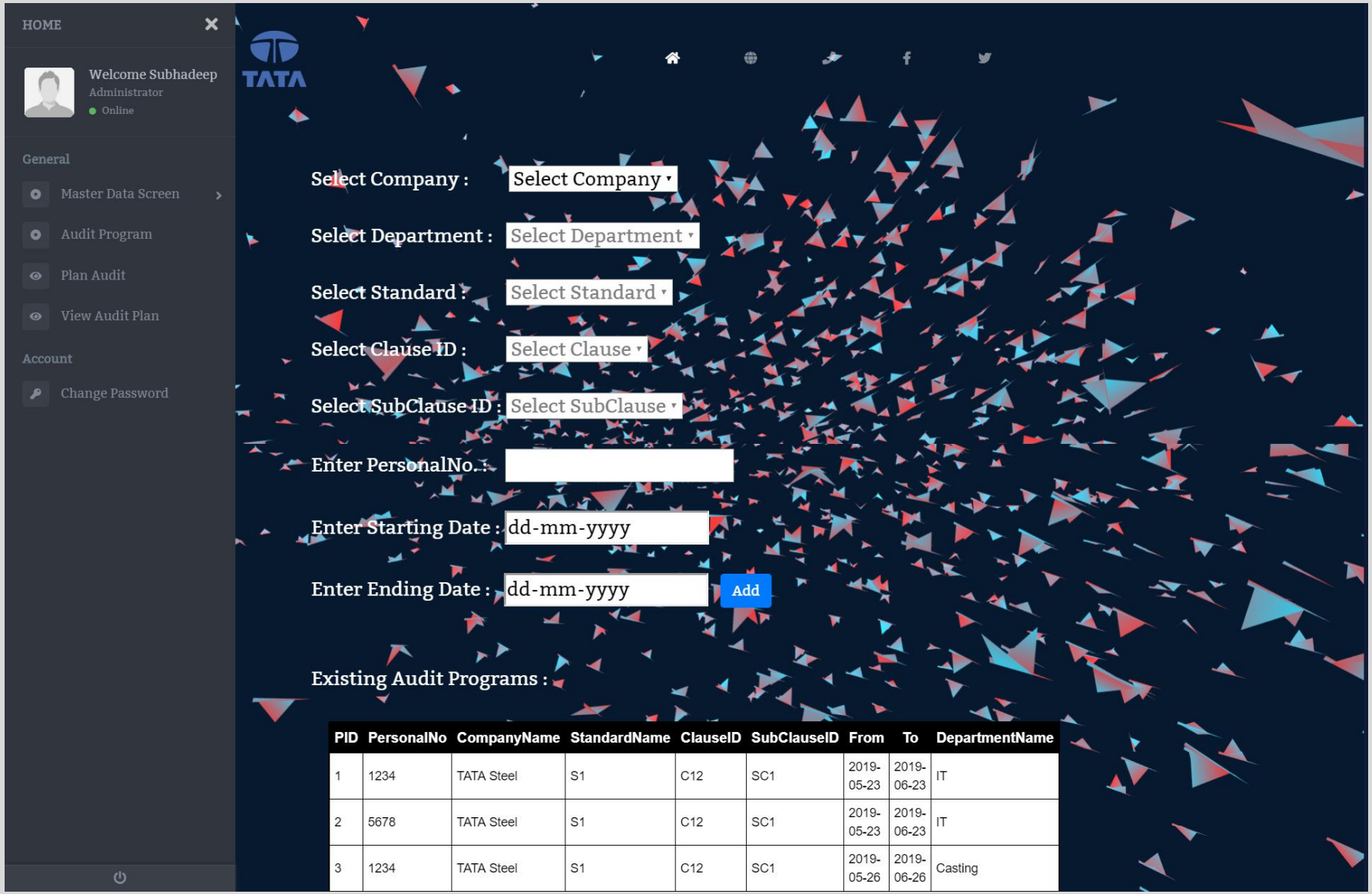


Master Data Screen - Clause Page



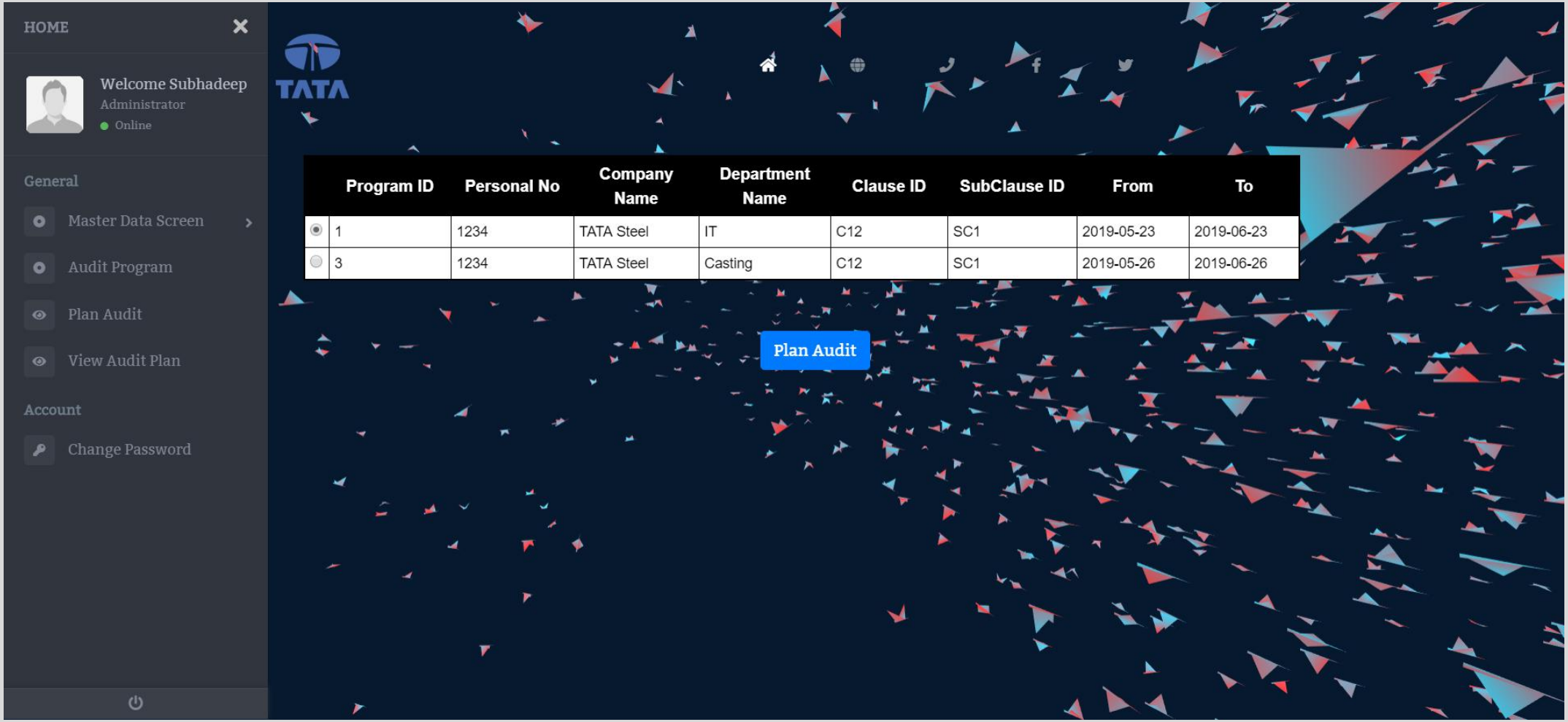
Master Data Screen – Sub Clause Page

Audit Program Page

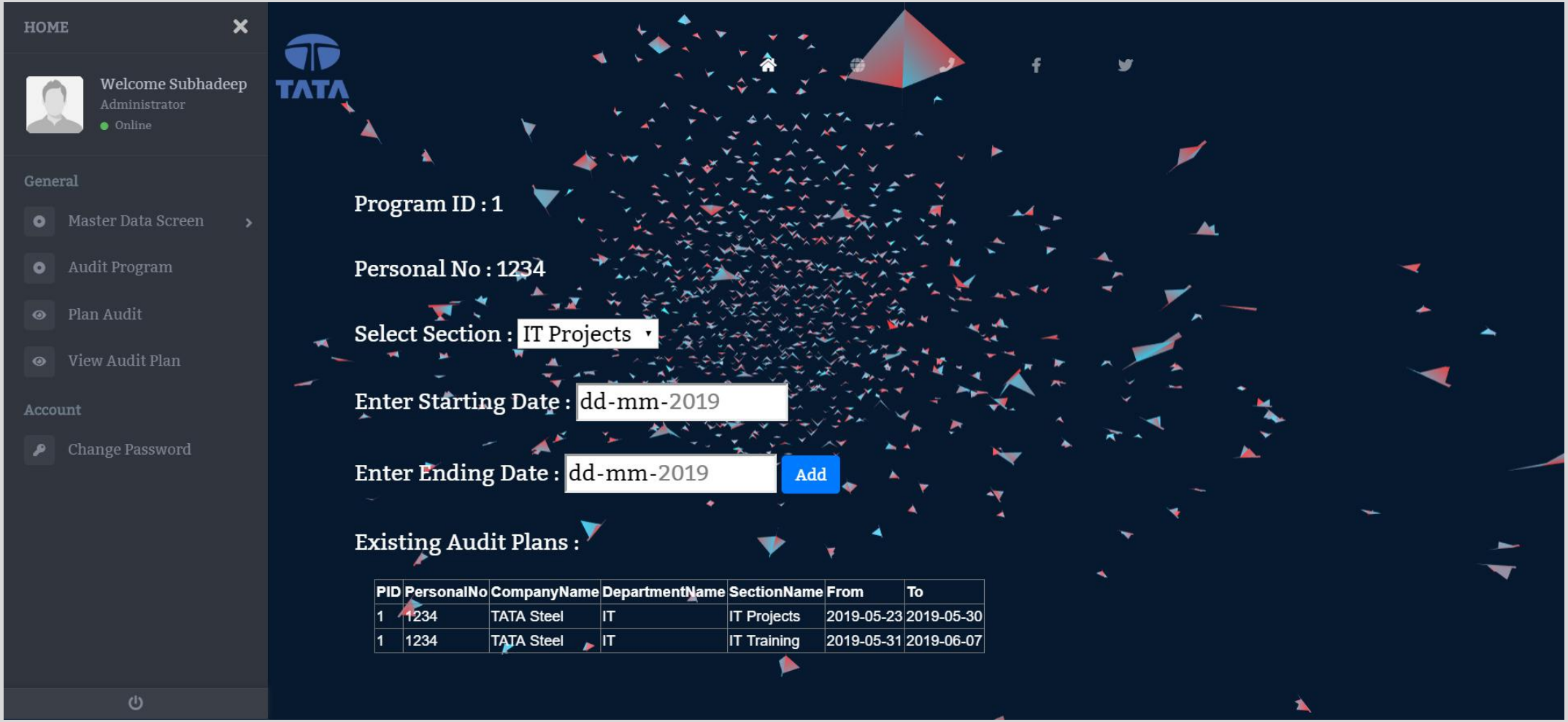


PID	PersonalNo	CompanyName	StandardName	ClauseID	SubClauseID	From	To	DepartmentName
1	1234	TATA Steel	S1	C12	SC1	2019-05-23	2019-06-23	IT
2	5678	TATA Steel	S1	C12	SC1	2019-05-23	2019-06-23	IT
3	1234	TATA Steel	S1	C12	SC1	2019-05-26	2019-06-26	Casting

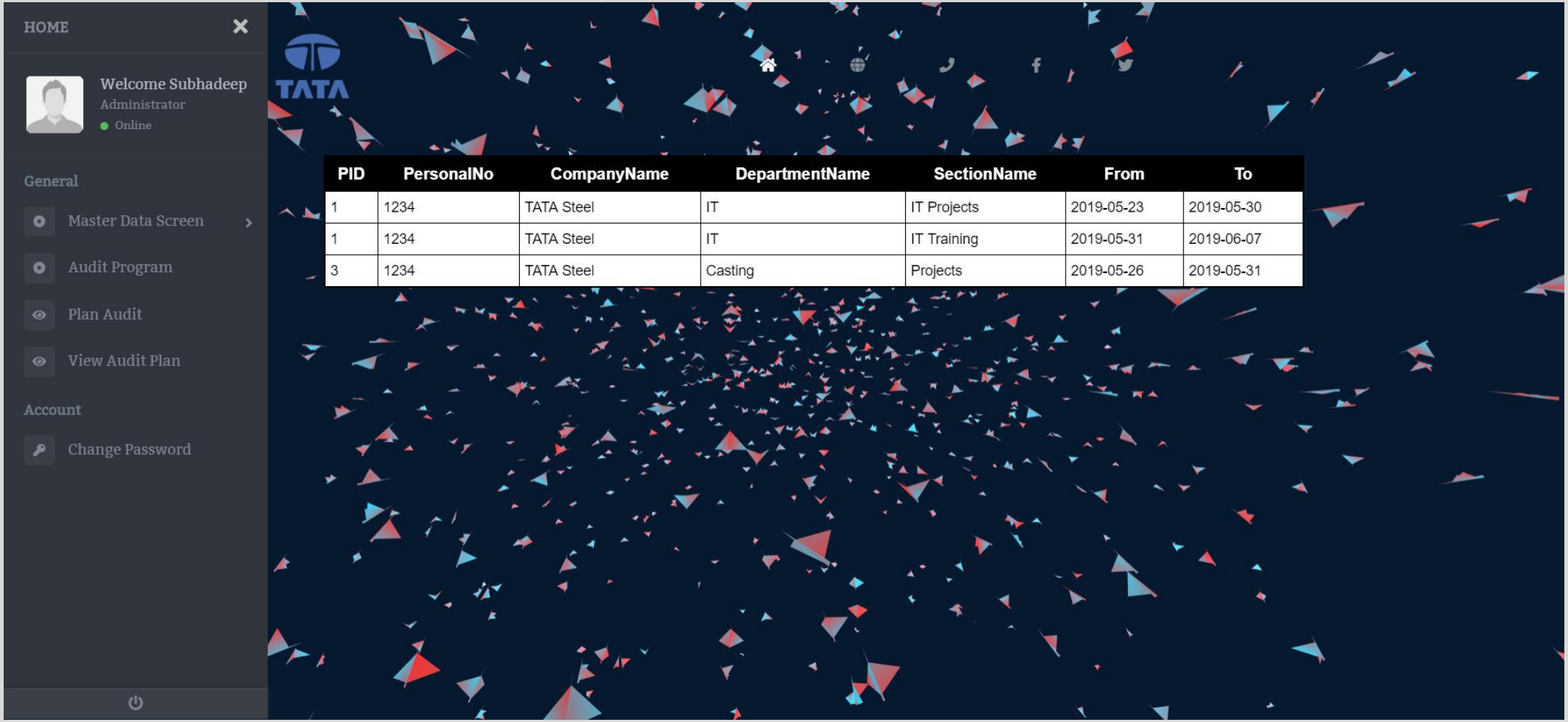
Plan Audit Page - 1



Plan Audit Page - 2



View Audit Plan Page



PID	PersonalNo	CompanyName	DepartmentName	SectionName	From	To
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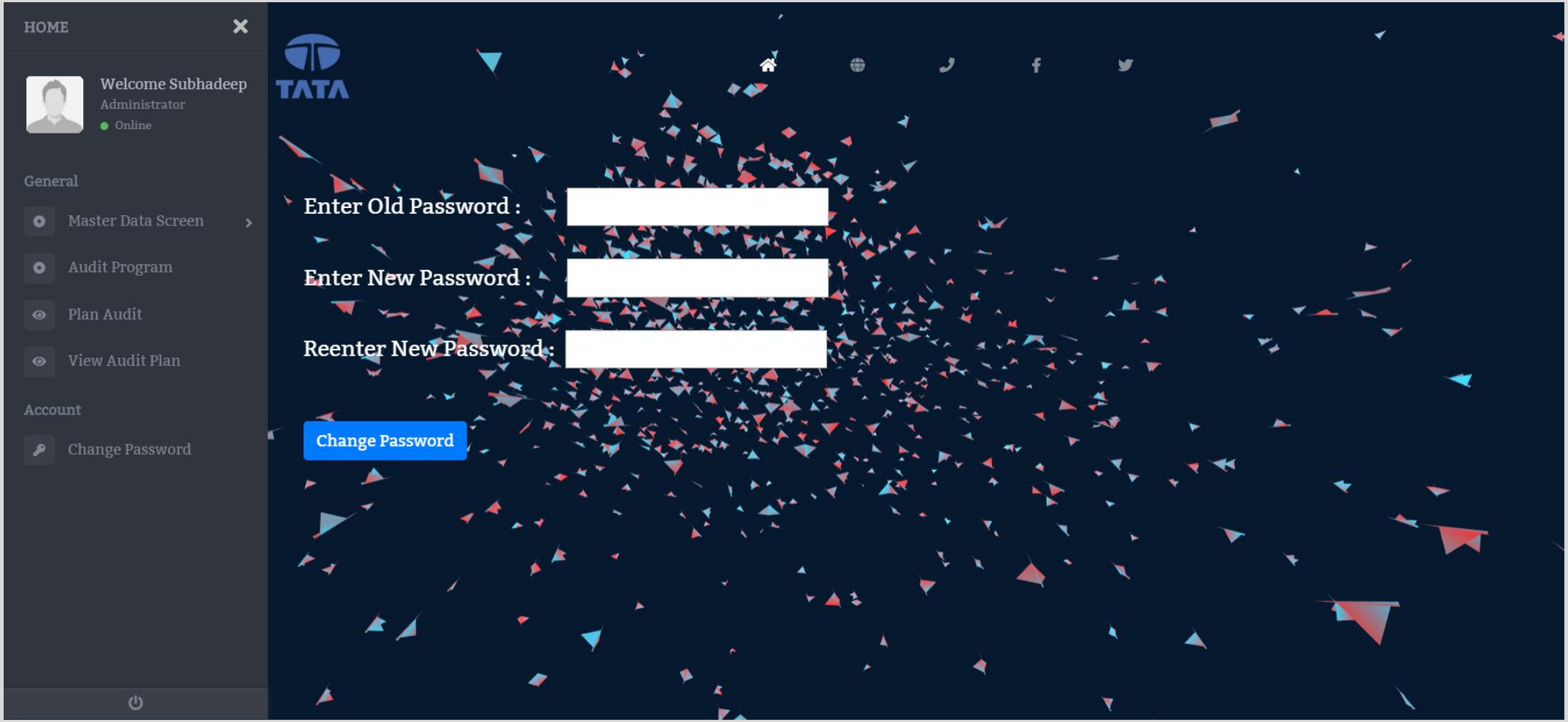
1	1234	TATA Steel	IT	IT Training	2019-05-31	2019-06-07
3	1234	TATA Steel	Casting	Projects	2019-05-26	2019-05-31

Change Password Page



CODE

The complete project can be found on the following github link :

https://github.com/prgaurav/WORK-FLOW-FOR-AUDIT-MANAGEMENT-USING-ASP.NET.git

ADVANTAGES OF THE PROJECT

- It enables companies to easily create work flow for various audit management processes.
- It improves efficiency of the audit management process.
- It exposes valuable information that otherwise might not be discussed.
- It has an user friendly interface.
- Data is easily synced between the users.

BIBLIOGRAPHY

- WIKIPEDIA – Information about Audit.
- WEB BROWSER - Various Tutorials for implementing various functionalities in the project like vanta.js, glyphicons, master page, side menu, etc.
- YOU TUBE – Various tutorials for ASP.NET.