**“****Judiciary Information System”**

A PROJECT REPORT

***Submitted by***

Anirban Dey (CSE 3G, 82)

Asesh Chatterjee (CSE 3G, 83)

Rik Bhattacharya (CSE 3G, 84)

**Software Engineering Laboratory using C++ (CS691)**

Project Guide - Prof. Anay Ghosh & Prof. Sreyashi Bhattacharya

B. Tech 3rd year

2019



University of Engineering & Management (UEM)

University Area, Plot No. III - B/5, New Town, Action Area - III, Kolkata, West Bengal 700156

**CERTIFICATE**

Certified that this project report “**Judiciary Information System”** is the bonafide work of

1. Anirban Dey
2. Asesh Chatterjee
3. Rik Bhattacharya

of B.Tech, CSE, who carried out the project work under our supervision.

………………………………..

………………………………..

**SIGNATURE**

**Examiner:**

**ACKNOWLEDGEMENT**

The completion of this project could not have been accomplished

without the support of our teachers and guide Prof . Anay Ghosh & Prof. Sreyashi Bhattacharya. We are thankful to you for allowing us your time to research and write.

We are also very thankful to our respected teachers for their co-operation and suggestion regarding the project work.

Last but not the least we are very thankful to our HOD, Prof. Sukalyan Goswami for giving us an opportunity of doing such an interesting project work.

* **Anirban Dey**
* **Asesh Chatterjee**
* **Rik Bhattacharya**

**OVERVIEW**

Judicial System or the court system is also the Judiciary System. The court has the power to make decisions and also enforce the law, solve disputes. Judiciary system consists of Judges and other magistrates, they form the bench or the core of the judiciary system.

On 26 January 1950, the Indian Constitution was written and it is worlds largest constitution written. The constitution is the source of law in India and also the supreme law of India. Judicial System of India consists of Supreme Court, High Court, District Court or Subordinate Court.

Supreme Court of India

Under the constitution of India, the supreme court is the final court of appeal. Hence has the chief justice of India, including 30 judges and other judges for advisory jurisdiction. Unsolved or still in dispute cases are leveled up to Supreme court to reattain justice. If the supreme court declares a law it is binding on all other courts of all States and Union territory.

**INTRODUCTION**

C++:

**C++ ranks 4th in popularity according to 2016 IEEE spectrum Top Programming Language ranking. Learning C++ is a wise investment for all programmers.**

**This guide answers all your questions related to C++ on what is it, when is it used, why is it used and how to get yourself started with it.**

**“C++ is a statically-typed, free-form, (usually) compiled, multi-paradigm, intermediate-level general-purpose middle-level programming language.”**

**In simple terms, C++ is a sophisticated, efficient and a general-purpose programming language based on C. It was developed by Bjarne Stroustrup in 1979.**

**Many of today’s operating systems, system drivers, browsers and games use C++ as their core language. This makes C++ one of the most popular languages today.**

**Since it is an enhanced/extended version of C programming language, C and C++ are often denoted together as C/C++.**

Dev C++:

**Dev-C++ is a free full-featured integrated development environment (IDE) distributed under the GNU General Public License for programming in C and C++. It is written in Delphi.**

**It is bundled with, and uses, the MinGW or TDM-GCC 64bit port of the GCC as its compiler. Dev-C++ can also be used in combination with Cygwin or any other GCC-based compiler.**

**Dev-C++ is generally considered a Windows-only program, but there are attempts to create a Linux version: header files and path delimiters are switchable between platforms.**

**FUCNTIONS**

Register a New Law:

**This function takes in three inputs:**

1. **The IPC Code Number**
2. **The Title of the Law**
3. **The Discription about the new Law**

**We create an object which in trun calls the inputVals() function**

Delete a Record:

The deleteRecord() function takes in one input parameter i.e. the IPC Code which needs to be deleted..

View all Law Records:

The viewAllRecords() function fetches all the stored records and prints it to the output screen. This function does not take any inputs.

**MAINTENANCE AND SUPPORT**

Corrective Maintenance:

In case of any bugs left in the system, the bugs and issues will be fixed for smooth running of the application. More features can be added inside the Library class with functions if needed.

Adaptive Maintenance:

The features in the application can be added such as all the records can be kept in the log. The available list of IPC Laws can also be added for covering more number of records.

**CONCLUSION AND RECOMMENDATION**

Conclusion:

This project aims to build a C++ software that shows all Judiciary related informations. The project is designed in such a way that the system takes the user as input and produce output when print all records function is called.

Recommendations:

This project has not implemented searching of a specific record to the user. So, Search technique can be implemented in the project. History about the laws for a user can be kept as a log and recommendation can be implemented for further records.

**BIBLIOGRAPHY**

The existing Laws were taken from:

Indian Judiciary Paperback – 2015

by P.V. SETHU

<https://www.amazon.in/Indian-Judiciary-P-V-SETHU/dp/9351429857>

Doing Justice: A Prosecutor’s Thoughts on Crime, Punishment and the Rule of Law Paperback – 19 Mar 2019

by Preet Bharara (Author).

Labour Laws (2019 Edition) Paperback – 2019

by Taxmann (Author)

Companies Act with Rules-As Amended by Companies (Amdt.) Ordinance 2018 (11th Edition 2019) Paperback – 2018

by Taxmann (Author)K.M. Al-Aidaroos, A. B. (n.d.).

Criminal Major Acts by RC KHERA Edition 2018 [Criminal Manual (Containing I.P.C, Cr.P.C & Evidence Act) [English/Hindi] Diglot Edition, Amended Up-to-date] (Hindi) Hardcover – 2018

by R C Khera (Author)