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File Tracking System under Governance of Student Data Information

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Abstract: ***Finding records is maybe the most difficult issue in schools nowadays. Time is wasted in glancing through records, energy is wasted seeking after mistakenly spelled archives, deadlines are missed. Along these lines, I decided to make a structure for report following that will handle all issues in the bestmanner .Document Global positioning framework is a web application that arrangements with all the record advancement beginning with one workspace then onto the following one and helps them in regulating stream of records effectively and beneficially.***

All of the records, for instance, reports, decisions, requesting, updates, and others can be dealt with and can similarly followed by the structure at whatever point. The system will allowthe administrator to make assets of that school and designate to them all of the divisions. Each office ought to have a client who will be at risk for that division. Nowadays Colleges use a genuine standard way for basically choosing, requests or any reports. Other than this while the reporting of records is required, they account them in genuine standard way.

In Record worldwide situating system, Which is for the most part used to follow the report who have been found in something almost identical. The nuances of seen archive list is having by the head and engraving nuances moreover moved by using this application.

A school dataframework assists school with putting away, make due, and circulate this data. School data frameworks give many advantagesto instructive establishments, for the most part coming from unified information the board and openness. Instructors can all the more handily input, make due, and access understudy information.

Keywords: Smart learning environment, blended learning, collegestudents, information literacy, evaluate

I. INTRODUCTION

Nowadays Colleges use a genuine standard way for choosing, requests or any reports. Other than this while the chronicling of archives is required, they account them in genuine standard way. In most of the cases the chronicling should be done in successive or numbering demand.

This causes an energy and time wasting, losing of records, a portion of the time even hardship of them. Imagine in the event that a school wants to go with a decision or a report, how long and energy is wasted. A school Minister needs tomake the report print it in many copies for sending it to theeducational board and others responsible for dynamic conditions for their thoughts, and at whatever point recognized, email to all workplaces what's more, administrative board to enlighten them for another decisionmade. As you can see not simply venture is wasted, but it has in like manner a paper cost for printing copies of that record. Another situation is reporting records.

Expect that aschool sought after a decision in a specific point and after the decision is chosen they need to narrative that decision record in reporting room. Other than going to the archive room, they have moreover to find the proper spot for recording. In the other way, eventually, to put a hand on the record that is reported they will consume time to go to the narrative room and find the genuine report. These exerciseswill consume an unnecessary measure of time and waste energy.

II. EXISTING SYSTEM

In existing method, The Students' information literacy is a complex high-level ability literacy, especially the scientific and accurate evaluation of college students is a very challenging tasksIn existing it has CIAP techniques had been used. Multiple intelligences theory, connectionist learning theory and ubiquitous learning theory providestrong theoretical support for the construction of smart learning environment It describes the smart learning environment of information literacy training from four levels. Conceptual level (CL), intelligence level (IL), action level (AL) and process level (PL) constitute the smart learning environment of information literacy training. The information literacy education for college students smart learning environment elements.

A. Drawbacks

1) This technique is more complex.
2) Students cannot handle multitasking at a time.
3) Low security
4) Efficiency is less

III.PROPOSED SYSTEM

Generally used to follow the document that has been seen in something similar.The subtleties of seen document list are having bythe head and imprint subtleties likewise transferred by utilizing this application. In proposed we have used Cryptography techniques, AES Algorithm.

A. Advantages

1) All data is secured using some cryptography technique
2) Portable and user-friendly Tracking is implemented.
3) Efficiency is more

IV.LITERATURE SURVEY

A. Title: Suman Chatterjee, Student of MCA Acharya Institute of Technology Manish Kumar Thakur, professor department of MCA,Acharya Institute of Technology Bangalire, India

Smart College Management system is an android based application which is the new technical way to manage all department related jobs. Smart Collage management system is helpful for students as well as the colleges. In the existing system all the activities are done manually. It is very costly and time consuming. In our proposed system, students can view results using Android phones. The data will be stored in the college server.To store the data SQL server will be used. The Admin, Faculty or the student should be a register user. The faculty can login into their college account through the app itself and update the academic result like internal exam marks obtained by the students.In this system students have easy access for viewing the marks, The application will check user authentications. Students are not permitted to manipulate any data. The proposed work has two modules: A. Student B. Teacher C. Admin. In the student's module, students need to register their university registration number, college registration number, student name. Admin module maintains the student's marks of internal college exams. Other than this the advanced features are: In case of natural calamities such as floods, etc.notification to students will be sent from admin office through app directly. Any new notice for a particular semester will be uploaded by professor through application notifying to respective semester students. The studentscan download different subject notes according to their departments.Application also includes logic to support above mentioned facilities to its students, however if the person downloading the application is not a student but an aspirant who has completed HSC and wants to know about the college then it only includes the advertisement of the college. Senior college toppers can also share their tips and tricks with other students via chat interface. Student's attendance is also monitored by the application.

B. Title: Nikhlil Jadhav, Bhupesh Singh, Kunal Lunge, Gopi Mali ,Nilesh Patil

Mobile technology is one of the vast technologies spreaded between people .The main motivation behind mobile technology is To connect people with each other. Mobile technology has introduced new Environment among student and teacher that can be used to improve todays learning system.

Taking intoconsideration this promising setting, a study was undertaken to realize the impact of such an environment, made possible by the android platform, on the learning process amongst students. The proposed system will introduce and improve interactivity, accessibility, and convenience in the learning process. Overall notification to students will be sent from admin office through app directly. Any new notice for a particular semester will be uploadedby professor through application notifying to respective semester students. Application also includes logic to support above mentioned facilities to its students, however if the person downloading the application is not a student but an aspirant who has completed HSC and wants to know about the college then it only includes the advertisement of the college. Senior college toppers can also share their tips and tricks with other students via chat interface. Student's attendance is also monitored by the application.

C. Title: Mary Jane Magno-Tan, Allan V. Crisostomo, Bill Villaflor, and James C.

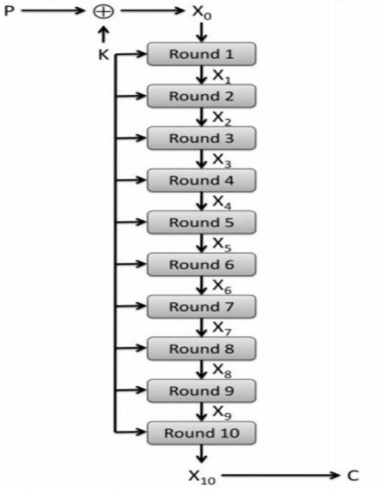
All colleges within universities are being evaluated for funding and program accreditation primarily in terms of the college's curriculum, faculty, physical facilities, research, and extension works, it is therefore important that documents and records relatedto these areas be managed efficiently from the creation, storage, update, communication and dissemination. As individual collegesare managed by their respective deans and chairpersons, it is alsoimportant that relevant and accurate reports on gathered information be available to them for informed collegewide decisions and plans.This study aimed to design and develop a cloud-based customizable system that provides detailed and summarized information on these critical areas to guide college administrators in planning and decision-making. It is accessible anywhere anytime as data is stored remotely and made available to users over the internet. Object-oriented method was used in the design and development of the computerized system following an incremental development process. In developing and testing the software, an evolutionary or operational prototype was created. Itis tested to the College of Computers and Information Science (CCIS) of the Polytechnic University of the Philippines (PUP). To evaluate the developed system, the study used questionnaire- checklist accomplished by the system users and information technology (IT) experts. The system was evaluated in terms of functionality, user-friendliness,usability, security, performance and robustness. Results gathered showed that evaluators rated the software very satisfactory in terms functionality, userfriendliness, usability, performance, and security; and good in terms of robustness. This implies that other colleges may adopt this systemfor more efficient information management and more effective management decisions.

D. Title: Lalit Mohan Joshi M.tech scholar BTKIT Dwarahat,Almora, Uttarakhand

This paper is aimed at developing an Online Intranet College Management System (CMS) that is of importance to either an educational institution or a college. The system (CMS) is an Intranet based application that can be accessed throughout the institution or a specified department. This system may be used for monitoring attendence for the college. Students as well as staffs logging in may also access or can be search any of the informationregarding college. Attendance of the staff and students as well as marks of the students will be updated by staff. This system (C.M.S)is being developed for an engineering college to maintain and facilitate easy access to information. For this the users must be registered with the system after which they can access as well as modify data as per the permissions given to them. CMS is an intranet based application that aims at providing information to all the levels of management with in an organization. This system canbe used as a knowledge/information management system for the college. For a given student/staff (technical/Non-technical) can access the system to either upload or download some information from the database.

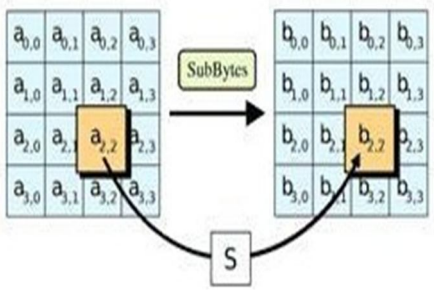
V. ALGORITHM

The AES algorithm (also known as the Rijndael algorithm) is a symmetrical block cipher algorithm that takes plain text in blocks of 128 bits and converts them to cipher text using keys of 128, 192, and 256 bits. Since the AES algorithm is considered secure, it is in the worldwide standard. The AES algorithm uses a substitution-permutation, or SP network, with multiple rounds to produce cipher text. The number of rounds depends on the key size being used. A 128-bit key size dictates ten rounds, a 192-bit key size dictates 12 rounds, and a 256-bit key size has 14 rounds. Each of these rounds requires a round key, but since only one key is inputted into the algorithm, this key needs to be expanded to get keys for each round, including round 0.



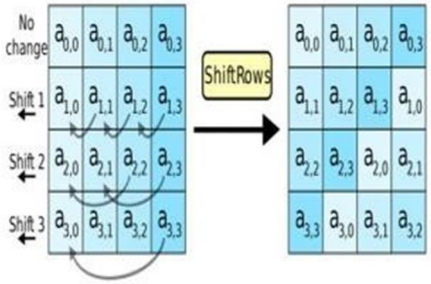
A. Substitution Bytes

In the first step, the bytes of the block text are substituted based onrules dictated by predefined S-boxes



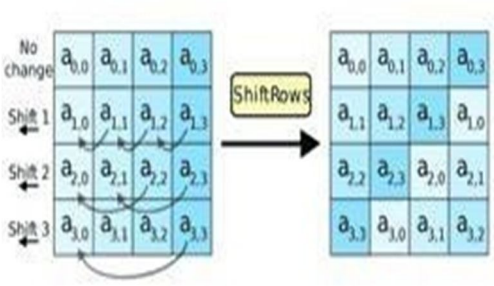
B. Shifting Rows

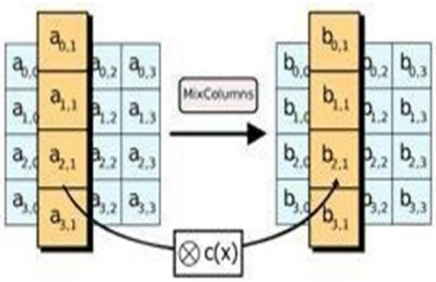
Next comes the permutation step. In this step, all rows except the firstare shifted by one, as shown below.



C. Mixing Columns

In the third step, the Hill cipher is used to jumble up the message moreby mixing the block's columns.





D. Adding Round Key

In the final step, the message is XORed with the respective round key

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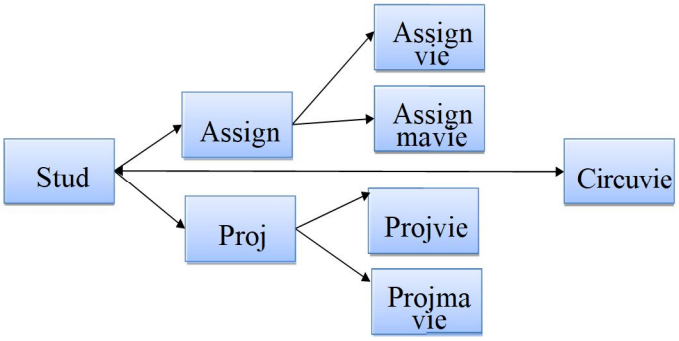
VI. METHODLOGY

In proposed system there are four methodlogy

1) STUDENT
2) STAFF
3) HOD
4) PRINCIPAL

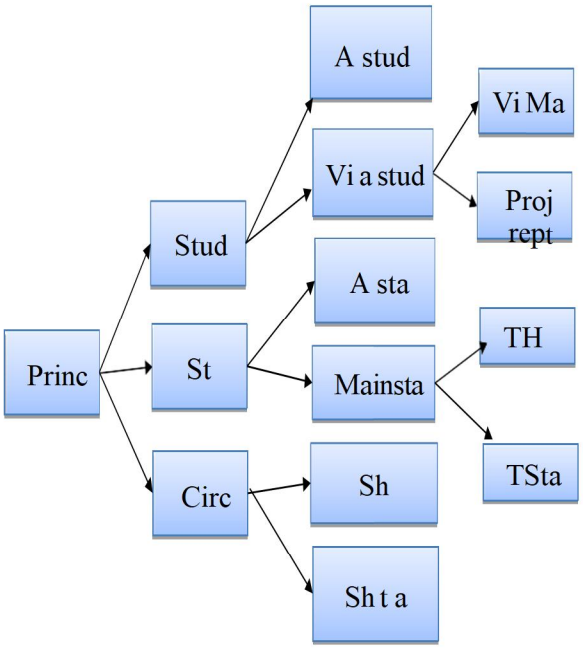
A. *Module Organization*

1) *Student*



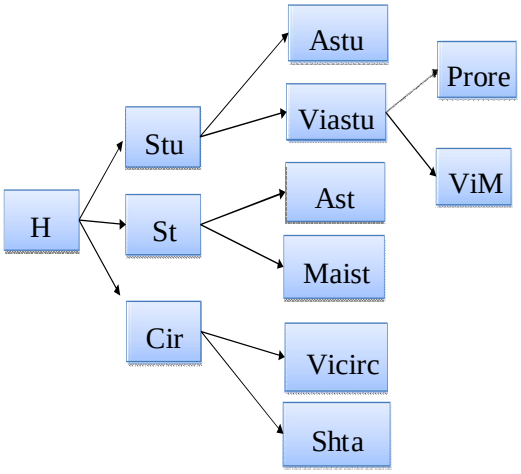
The understudy view the roundabout arrangement that sent by head and shared by staff. Then, at that point, task answer are transferred to staff imprints can be seen and projects are refreshed to their separate staff.

2) *Staff*

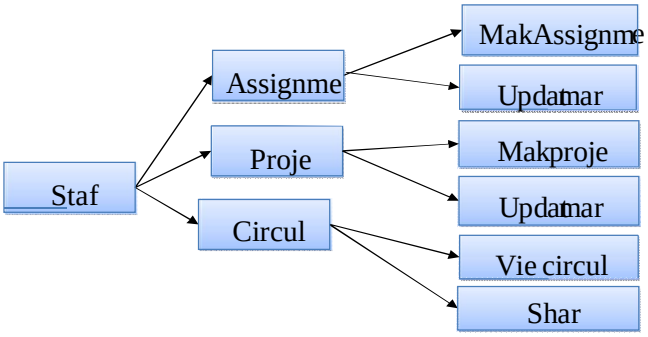


The staff view the roundabout configuration that sent by head and shared by HOD. Then task marks are transferred for separate understudies imprints can be seen and projects marks are refreshed totheir particular understudy.

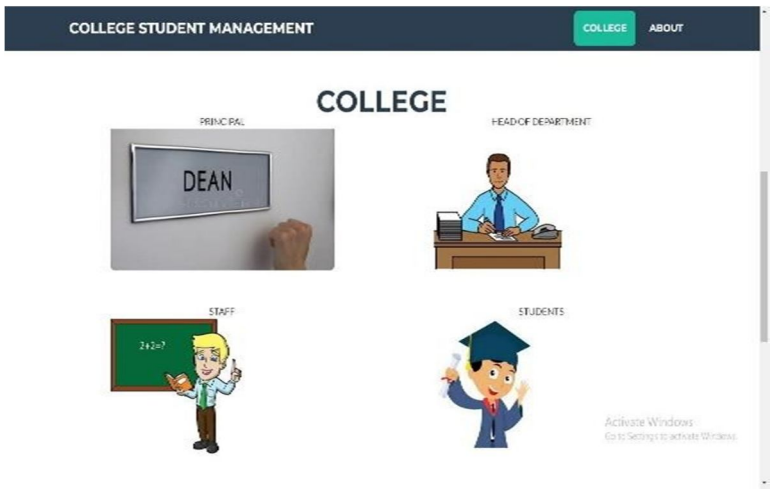
3) HOD

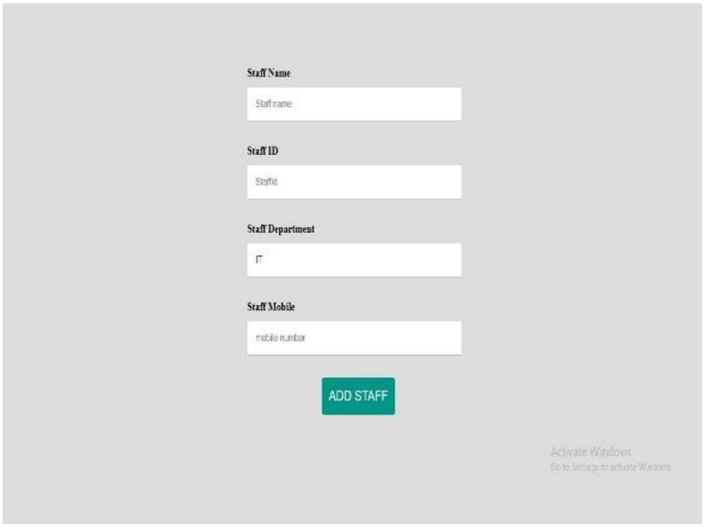


4) Prinicipal



VII. RESULT

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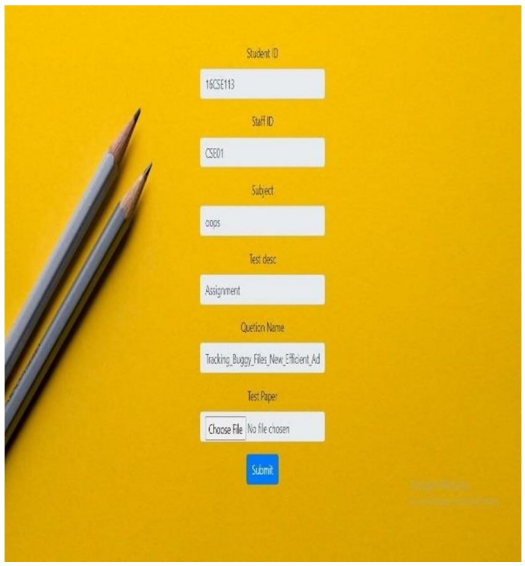
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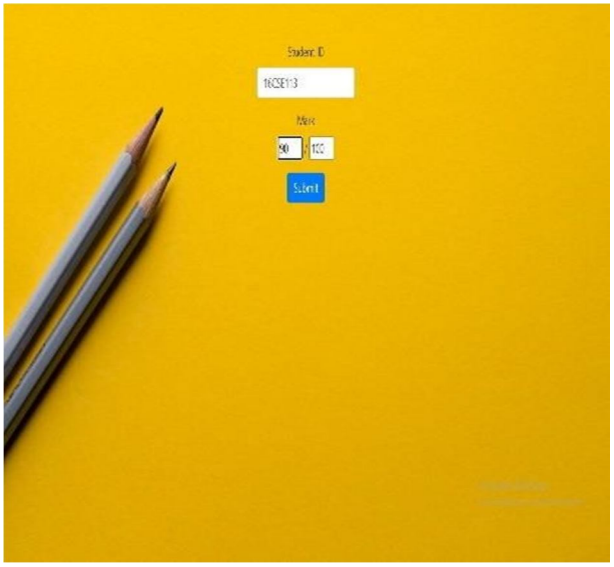
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Marks
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Our project is to develop a GUI (graphical user interface) based software i.e. platform independent, user friendly and which can befit into any college system. It is more efficient and convenient for the colleges. It reduces the manpower needed to perform the entire administration task by reducing the paper works needed.

VIII. CONCLUSION

The undertaking entitled as Development of Understudy Information Data administration Framework is the framework that arrangements with the issues connected with a specific foundation.

1) This undertaking is effectively carried out with every one of theelements referenced in framework necessities determination

2) The web application gives suitable data to clients as per thepicked administration.

Arrangement of our application will surely assist the school with lessening superfluous wastage of time in specifically going to every division for some data

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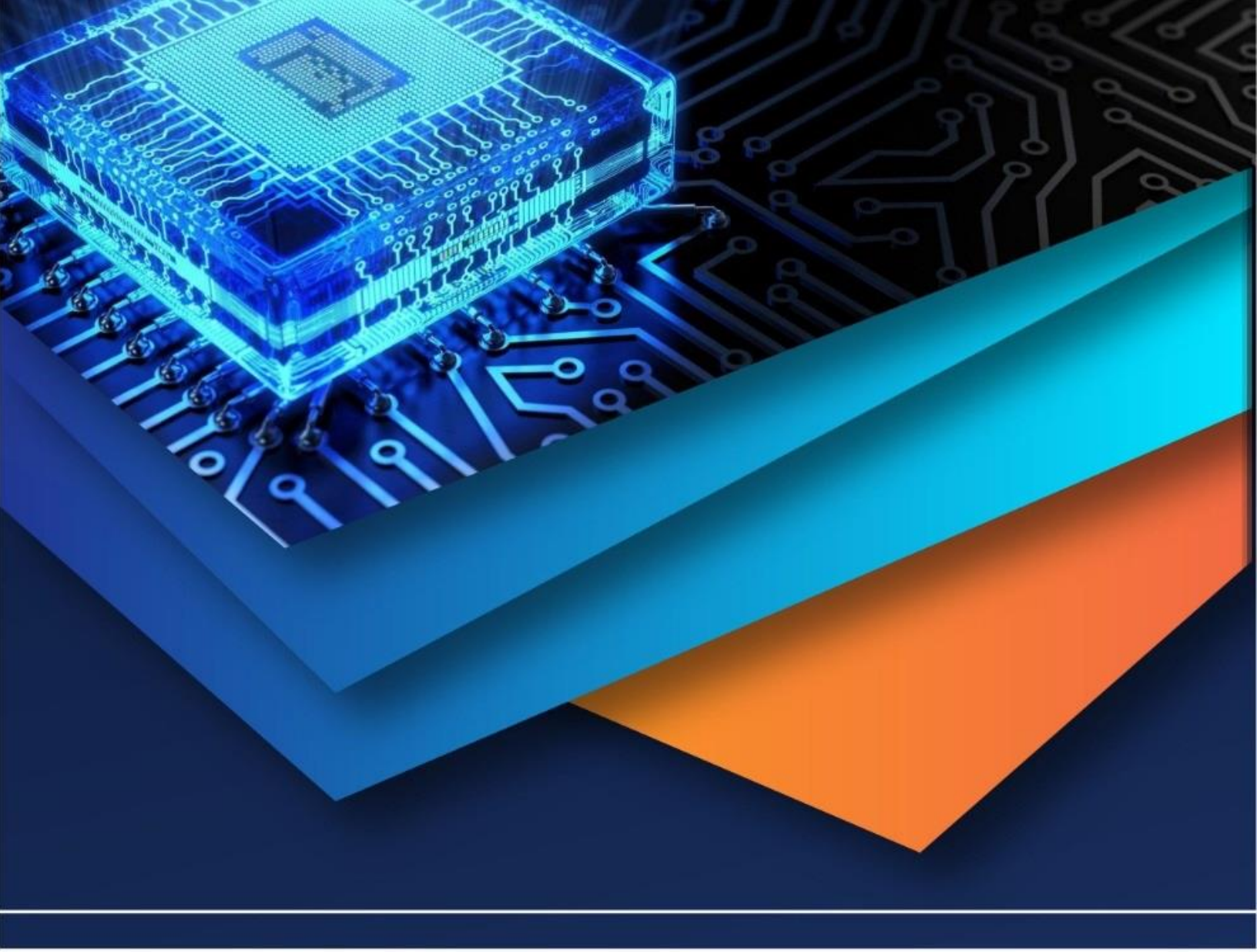

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