AYUSH KUMAR
21EC10008
DEPARTMENT OF ELECTRONICS & ELECTRICAL COMMUNICATION ENGINEERING
LALA LAJPAT RAI HALL OF RESIDENCE

Contesting for the post of
General Secretary Technology
Technology Students' Gymkhana
Indian Institute of Technology Kharagpur (2023-24)

PROPOSAL 1: CONDUCTING A WOMEN LEADERS ENCLAVE IN KSHITIJ

Objective:
The objective of this proposal is to bring together distinguished women leaders on a common platform to engage in discussions on a wide range of topics, with a special focus on the field of Technology and Management.

Benefits:
This Women Leaders Enclave will contribute to the empowerment of women, particularly those who are participating in Kshitij from various parts of India and Tier 2 and Tier 3 colleges. Witnessing women leaders holding prominent positions in the industry will serve as a motivating force for these female participants.

Groundwork:
The 20th Edition of Kshitij has seen a participation of more than 300 female attendees. In November 2022, a similar event, Women's Leadership Conclave, was conducted by Partha Ghosh Academy of Leadership, which saw limited participation. Therefore, conducting this Enclave in association with Partha Ghosh Academy of Leadership could be beneficial.

PROPOSAL 2: INTEGRATION OF MODERN ERA INDUSTRY-RELEVANT TECHNOLOGY IN OPEN IIT

Objective:
In order to promote the integration of industry-relevant technology in Open IIT to facilitate its introduction in General Championship, I propose an increase in the number of technology competitions, specifically in areas such as cybersecurity and blockchain.

Benefits:
Cybersecurity and blockchain are considered to be two of the most critical technologies in the present era. Cybersecurity technologies, such as firewalls, intrusion detection and prevention systems, and encryption, provide advanced protection against cyber threats and ensure data confidentiality, integrity, and availability. Meanwhile, blockchain technology's unique features, such as decentralization, immutability, and transparency, have led to its widespread adoption in various industries, including finance, supply chain, and healthcare. In the finance industry, blockchain-based solutions have the potential to revolutionize transaction processes by providing a secure and transparent platform, reducing costs, increasing efficiency, and eliminating intermediaries.

Execution:
The upcoming event will offer a collaborative experience where teams of 6 members max will explore the fundamentals of both Blockchain and Cybersecurity, including topics like contracts, and risk management. To ensure that participants are well-equipped to tackle the challenges, experienced senior members will conduct workshops in both areas leading up to the event.
After the workshops, teams will receive a problem statement that involves both Blockchain and Cybersecurity, and will be tasked with developing a solution that integrates both technologies. This challenge will culminate in a presentation and demonstration, scheduled for one week following the release of the problem statement.
By combining the two emerging fields of Blockchain and Cybersecurity, the event aims to provide participants with a comprehensive understanding of the intersection between the two fields, and how they can work together to solve real-world problems. The event will offer participants an opportunity to gain practical experience in both areas, work collaboratively in a team setting, and showcase their skills in a presentation and demonstration.

PROPOSAL 3: DIGITALIZATION OF B. C. ROY TECHNOLOGY HOSPITAL AND COUNSELLING CENTRE

Objective:

I propose the digitalization of B. C. Roy Hospital and Counselling Centre, to enhance healthcare and wellness services such as ERH system, telehealth system, m-health system.

Benefits:

Implementing an EHR (Electronic Health Record) system, telehealth system, and mHealth technology in a college hospital can have numerous benefits for both healthcare providers and patients. Implementing these in a college hospital can have numerous benefits for both healthcare providers and patients.

EHRs can make it easier for healthcare providers to access and share information. This can improve the efficiency of healthcare delivery and reduce the risk of errors or duplication. It can also help to improve patient safety by providing accurate and up-to-date information.

mHealth technology can be used to improve communication between healthcare providers. It allows students to see the availability of doctors in real-time. These apps can also allow students to book appointments, view their medical records, and receive reminders about upcoming appointments.

In emergency situations, telehealth can provide quick and easy access to medical care. Students can connect with healthcare providers from their hall or any remote location, without needing to travel to a hospital or clinic.

Execution:

To successfully implement EHRs, telehealth systems, and mHealth technology in a college hospital, a series of steps can be taken. These include conducting a needs assessment to identify the specific requirements and goals of the college hospital and its student population, developing a plan for implementation, including timelines, budget, and resources required. The next step is to identify and select vendors or partners who can provide the necessary technology and support for implementation. After that, healthcare providers and staff should be trained on the proper use of the systems to ensure student safety and quality of care. Policies and procedures for data security and privacy should be established to protect student information. It is important to communicate the implementation and benefits of the systems to students to encourage their participation and use. Finally, the effectiveness of the systems should be evaluated regularly, and necessary adjustments made to ensure continuous improvement.