

From
The Eye, CSEA
PSG College of Technology,
Coimbatore - 641004

27th July, 2023

To
The Principal
PSG College of Technology,
Coimbatore – 641004

Through: Computer Science and Engineering Association

Subject: Proposal for Cybersecurity Center and Computer Lab Allocation

Respected Sir,

I wish to put forward a proposal that provides awareness and understanding of cybersecurity amongst our student community. In today's digital age, cybersecurity plays a critical role in safeguarding our online presence and ensuring a secure digital environment. With this proposal, we intend to create a dedicated Cybersecurity Center in the form of a specialized computer lab, where our club members can carry out projects and research focused on bolstering cybersecurity practices.

Our proposed Cybersecurity Center will focus on various crucial aspects, including:

1. Mentorship Programme by Senior Students for Juniors: Senior club members will guide and mentor junior students, fostering a collaborative learning environment that enhances their cybersecurity skills.
2. Cybersecurity Research Collaborative (R&D): The lab will be utilized for conducting cutting-edge research in cybersecurity to address emerging challenges and devise innovative solutions. Our club will research and propose security protocols for upcoming technologies to ensure their safe integration.
3. Virtual Labs Simulation: Simulated environments will be set up to mimic real-world cyber threats, providing students with practical hands-on experiences. Along with this, a simulated Supervisory Control and Data Acquisition (SCADA) system will be developed to understand and defend against cyber threats in industrial environments.
4. Intrusion Detection System (IDS) Simulation: Students will learn to implement and analyze IDS to detect potential security breaches.
5. Policies and Procedure Making for Protocols within PSG: Our club will collaborate with the college authorities to suggest and implement cybersecurity protocols and guidelines.
6. Cybersecurity Library: A software and hardware library will be established, providing access to essential resources for cybersecurity research and learning. Additionally, a dedicated lab will be set up to investigate and analyze digital evidence related to cybersecurity incidents.

We assure you that we will take complete responsibility for the equipment and resources provided to us. Additionally, to ensure transparency and accountability, we commit to submitting a detailed progress report every six months outlining the activities and achievements of the Cybersecurity Center.

Sincerely,

Aaditya Rengarajan and Team,
The Eye (CSEA)

Faculty In-Charge

Dr. N. Gopikarani,
Dr Vijayalakshmi S

Head of Department, CSE

Dr. G. Sudha Sadhashivam

The Principal