## Ethical Hacking

## - Pssignment

The primary purpose of ethical hacking courses is to enhance students understandings of attacks and attackers, equipping them to defend systems effectively thowever, the article acknowledges concerns that teaching offensive hacking skills might inadvertently encourage students to engage in illegal activities, posing risks both to society and the students themselves.

To address thuse risks, ethical hacking programs often incorporate education on ethics and low alogside technical training, fostering fromeworks for ethical devision-making. The research in the article includes interview with 206 information security professional, who provided insights and recommendations to help minimize potential harms while moximizing the educational benifits of Such Courses. The study identifies four key cybersecurity competitions, recognizing achievements in ethical hacking, and ensuring ongoing skills development.

The importance of peer groups and social interactions is emphasized, as they help students build communities aligned with white-hat backing practices and lawful behaviour. Competitions serve as a practical tool to expose students to real-world scenarios, reinforcing ethical

principles while providing networking opportunities with industry protessionals. Recognition, such as leaderboards or accolades for ethical hocking achievements, can satisfy shidents desire for acknowledgment, reducing the appeal of black-hat achvitee. Furthermore, offering progressively challenging tasks ensures shidents remain engaged and motivated while determing unethical behaviour.

The article concludes by highlighting the critical role educators play in preparing students to apply their hacking skills ethically. By integrating ethics into the circuitam and implementing the proposed strategies. academic institutions can balance the benefits of feaching ethical backing with the responsibility to protect students and society. This approach underscores the necessity of embedding ethical considerations deeply within cybersewrity education to mitigate risks and promote the responsible use of hacking skills.