

PIIT Final Exam

Q-2

4 will pursue for the third option
i.e. "negotiate aggressively for a cross-licencing agreement"
and following are the reasons.

- As a startup company, it would be wise not to get entangled on the court, due to long trials and delayed results. It suits more for larger companies.
- Simply ignoring the infringement is not wise. If there is something that belongs to us then at least there should be some actions taken.
- Cross licencing will help both the company to use each others patents, hence help improve the industry and will act on the people's best interests.

Q-6

A.

(1) A DRAMA FEST event in our university where a friend sung a famous song "Kali. Kali Zulfon".

It is fair use because

- It was an educational event.
- It comes under the umbrella of parody.
- It was not for monetisation reasons.

(2) A friend used a video clip from internet in order to make his reaction video.

It is fair use because

- He added further editing i.e. "reaction" to the video, so he did not simply copy-paste.
- He only took small portion of a video hence did not copied substantial portion.

B

(1) After coming back from Murree, a trip with university friends, I made a video compilation of our stay with background song "Hymn for the weekend" by Coldplay. I uploaded it on youtube and got the copyright strike unintentionally.

It was copyright infringement because

- The creator of the song was Coldplay and I used their complete song without permission.

(2) My friend told me ^{movie} streaming website having name like 123movies. I used to stream movies from that website way back

It was copyright infringement because

- That streaming website does not have ownership of movies

(C) I was building web application based on "React.js" and "Redux". Redux is difficult to work with but using chrome extension "Redux Dev Tools" help me make proper visualization of stores with component diagrams, state diagrams and simulations. // ^{increased}

- It increased the productivity to many folds
- It helped visualize the data store state
- It effectively simulate the data flow

D

- Firstly, I will lock the database so that it becomes inaccessible. It will ensure that even after the attack the data remains protected.
- Secondly, I will call legal authority FIA to take actions against cybercriminal.
- Thirdly, I will make the server "Honey pot" so that attacker may not penetrate to other server
- Lastly, I will let Mr. Afzal to continue find the attacker, as he will not be able to cause any damage after above steps.

G. In my "Software Engineering" course I was required to make project "Attelligence" (smart attendance) along with the team. We delayed the development phase to the last week due to procrastination, forcing a lot of burden on the last week we couldn't make the product as required.

- We could have avoided it by having a plan before.
- All the toDo's and important tasks should have been listed before.

H.

(1) As a kid I heard news that girls fainted out on Michael Jackson's concert due to his charismatic performance.

- I believed it because I didn't verify the sources.
- The major reason I believed was that I was a great fan and wanted it to be true i.e. let my emotions decide the facts.
- Later I found out that the girls did faint not because of charismatic performance but due to large crowd congestion.

(2) Initially I was believing that people of asia have immunity to COVID 19 due to less cases and some news.

- I was believing it due to big TV channels showing news
- The news was fake as it was not supported by enough data and later the situation proved that the news was not authentic.

I

- 'Jumpstart' is an online job seeking platform. It has extensive registration forms having to take a lot of information from users about their background.
- I registered on July /2019 and they took a lot of information
- The information was meant to find a matching company to my interests.

Q-5

Following new policies will be made

- Define roles and access within the company such that only required information is accessible to specific people
- Having code secrets is highly secured encrypted format such that it cannot be easily accessible to anyone except relevant authority
- Employee organizational email monitoring to detect and monitor official mails of employees.
- Back trace the source of leak and carefully monitor any sign of industrial espionage
- Find the perpetrators and involve legal authority to file the case against them.

Q-3 IDEA method

Yes, we can apply ideal method to solve problem

Identify: Kids around age 10 would be too young to have or make emails to use it for sign up, or to sign up directly if that's the case.

Define: The problem lies is the prerequisite step signup that is complicated for 10 yrs old kid to perform. Since most have downloaded app to see content right away

Explore: Following can be different alternative strategies

- Make signup easier eg - face ID, finger scanner
- Make signup optional like youtube
- Make process of sign up fun to do like game etc for kids

Act: Since the above mentioned strategies are mutually exclusive ie independent, what we can do is make the signup optional for those who want to see the content straight away and also a easy fun sign up option to engage kids into signing up.

Look: Doing so will result in both increase in the use of application, since no mandatory signup required and also number of sign ups will increase since it is a fun activity now.

Q-1

Following will the options that A (CIO) can employee without being disappointing

- A will try to emphasize of 5 pillars of security and convince to exclude overly budget extra feeling that are not necessary.
- A will let the final decision be made by director herself to ensure she feels confident to make right decision, however few suggestion to improve will be made.
- A will try to convince director to relook at financial plan and find some alternate effective solutions that costs lesser
- A will give confidence to the director in making the correct decision by giving some advice.

Q-4

interest rate = 27%

It is for total 5 years

The interest calculation:

$$\text{let } A = (100,000 \times 0.27) + 100,000 \rightarrow \text{year 1}$$

$$B = A + A \times 0.27 \rightarrow \text{year 2}$$

$$C = B + B \times 0.27 \rightarrow \text{year 3}$$

$$D = C + C \times 0.27 \rightarrow \text{year 4}$$

$$E = D + D \times 0.27 \rightarrow \text{year 5}$$

(a cumulative approach to interests)

The results calculation

$$= 380,013$$

Subtracting the actual cost

$$380,013 - 100,000$$

$$= \boxed{280,013}$$

the money that
could have been
earned

or Opportunity Cost.