

1. Audit for the Course(ISAA) according to me:

a. **Content of the Course:** The content of the course is quite interesting according to me.

As a part of the course, we learnt how to do Risk Assessment of an entire system. I have done a risk assessment of our institute(IIIT Hyderabad) which is a very wholesome experience.

We have also learnt concepts like business continuity plan and disaster recovery. Also concepts like **RTO** and **RPO** were a part of the curriculum.

Apart from these regular course contents, we used to have very rich discussions on trending and real life topics throughout the course.

So, the course content was a mixture of both regular course curriculum and interesting out of the box discussions, assignments, projects.

b. **Discussions on trending and real-life topics in class:** We used to have very rich discussions on very good topics in the class.

For example, I remember the day when we were discussing the “judgment of the supreme court on Aadhaar card”. We were discussing why the aadhar card has been made “not compulsory” for every field of action(school admission, telecom connection, government subsidy etc.). We were solving a real-life problem at that moment. For some time, we were thinking like bureaucrats of India, because they are the ones who perform all these policy designs.

Another example is where we had to argue how biometric data can be misused by attackers.

c. **Real life assignments:** We were given very real-life assignments and projects as part of the course.

For example, we were given a very interesting task of “designing campus LAN network for IIIT Hyderabad”. This has been one of the most interesting assignments I have done in IIITH. I learnt so many things which I never got to learn from reading books or attending courses like Computer Network.

Also, one other assignment was surveying different network devices and learning what they actually do and how they perform. This was also equally interesting.

This has been a really positive point of the course.

d. **Innovative tasks:** The tasks which were given in the class were also very innovative and interesting.

For example, we were asked to identify key concerns related to use of Aadhaar Card:

1. Privacy (e.g tracking our activities?)

2. Misuse of the biometrics (e.g. replay attack?)
3. Any other risk involved (e.g. misusing it for unintended purpose?)

- e. **Interesting Class:** Sir used to keep class very interesting. As a morning 8:30 class we used to struggle a lot to attend the class. But as time went by, the classes became more and more interesting, which motivated us to attend the classes.

For example, one day, Sir showed us a piece of cloth and questioned us about what is special about the cloth. All of us guessed something or the other.

It turned out that it was the actual cotton color cloth which is very rare since the British destroyed all other cotton colors other than white because all others can't be manipulated by machine, they should be hand woven. This was pretty interesting for all of us.

- f. **Bringing someone working in the industry:** Gandham Phani Srinivasan Sir came to give us a lecture. He introduced us to various new things like NIST, HIPAA, HHS, CCPA, Sarbanes-Oxley Act. We got to know what all is happening in the industry in the present days which has been a great exposure for us.

- g. **Flexibility on open book/closed book exam:** Last but not the least, we were given options for open/closed book exam, which has been another great part of the course. The flexibility that we got is another great thing which I liked about the course.

2. Audit of My Performance in this course(ISAA):

- a. **Regular Attendance throughout the semester:** I have attended the class regularly.

This is not because of the strict attendance policy. The subject is quite new to me. In the midst of technical heavy courses, this subject has grabbed attention from the very first day.

- b. **Active Participation in the class:** I participated regularly in the class. One reason is definitely the significant weightage of the class participation marks. But, that's not the only reason. The discussions that generally happen in the class are very relatable in real life.

For example, I remember the day when we were discussing the "judgment of the supreme court on aadhar card". We were discussing why the Aadhaar card has been made "not compulsory" for every field of action(school admission, telecom connection, government subsidy etc.). We were solving a real-life problem at that moment. For some time, we were thinking like bureaucrats of India, because they

are the ones who perform all these policy designs. So, the participation came very naturally from my side.

Also, I tried to listen properly in those topics where I had not enough knowledge to argue.

- c. Doing the Assignments and Projects seriously:** I have completed all the assignments and projects which are part of the course. While doing them, I was careful to ensure that I did them in the proper way and in time. For example, we were given a very interesting task of “designing campus LAN network for IIIT Hyderabad”. This has been one of the most interesting assignments I have done in IIITH. I learnt so many things which I never got to learn from reading books or attending courses like Computer Network. Also, one other assignment was surveying different network devices and learning what they actually do and how they perform. This was also equally interesting. I would definitely thank Shatrunjay Sir for designing such real-life assignments as a part of the course.
- d. Asking Relevant and Interesting questions:** Besides performing regular assignments and course work, it is also important to think out of the box and ask some good questions in the class. This helps a lot and increases peer to peer learning. I remember some of the good questions I asked. For example, the system tends to perform slow when its storage becomes full. But, unit storage is denoted by 1 if it's full and denoted by 0 if it's empty. So, when storage becomes full, the bit zero changes to 1 only. But why does performance drop then? It's only a matter of bit change nothing else!!! Sir gave a good explanation why this happens.
- e. Delivering Interactive Presentations:** I actually presented Network Time Protocol (NTP) as part of the network protocol presentation. I ensured that the whole class participates in this and this should not be a one-way presentation. So, I asked a lot of questions to the audience and let them think and answer what can be the solutions of existing problems of the protocol. I also took a sufficient number of questions at the end of the class.
- f. Teamwork:** Some of the projects and assignments required us to work in group or team. I tried to ensure that my team performance should be equally good as my individual performance. We are going to join the IT industry in a few months. So, this skill will come into play there also.

3. Which Grade I should get:

- I analyzed carefully the requirements of the course and how I really performed in this course.
- I think that I am eligible for an “A” grade.
- Also along with the grade, the learnings which I am going to take from this course are equally important for me.
- I really think the learnings and skills which I inculcated in myself while attending this course would help me a lot while working in the IT industry.