

SHORT ANSWER QUESTIONS

Question 1

How do you think computer science, computer engineering and/or a closely related technical field is changing the world? How do you plan to contribute?

Technology or Computer Science has always made a major impact on our lives be it for the good or bad. I think that Internet Of Things and Artificial Intelligence is the most impactful development in Technology so far which has changed the world on a whole new level. Our way of doing things or for that matter living life would be completely different with these developments. If you ask me how then I would say that you can already see it happening like the Smart Home devices. These developments are automating everything that we do on a daily basis right from switching on/off lights to making phone calls to our dear ones without even touching our phones. Businesses now are connected to technology better than before with unparalleled results through innovative applications and products.

I aspire to be a part of this amazing and world changing development by planning my Masters in either of them and contributing my learnings and skills to make this world a better and convenient place to stay in.

I have already begun my part of contribution by taking up online courses to become well-versed with this technology in order to be able to efficiently contribute in the future.

Question 2

Please discuss the structural issues impacting underrepresented groups that you have observed or experienced in computer science, computer engineering, and/or a closely related technical field. What connection and/or effect do you think these have to the industry and/or the wider world?

I think that most number of structural issues are faced by women in the field of Computer Science/Engineering. Two of the major issues being Discrimination and Harassment. As this field is mostly male dominating women are never welcomed and even if they are, they are ill treated both physically and mentally. People part of the Computer Science/Engineering field feel that women are not appropriate to be “in charge” whenever it comes to this particular field. This doesn't give them equal opportunities, fair chances and respect to prove themselves or follow their passion. The sad part is that many of them lose their self-confidence.

All of this has a severe impact on the industry as female employees will feel less motivated to do their job, because they don't feel valued by their supervisors. This can

hinder productivity. It also effects the wider world as it devalues the culture. In turn this effectively sidelines more than half of the world's talent, experience and knowledge, leaving our societies operating at under 50 per cent capacity.

Question 3

Please write about an activity that you are currently or recently involved in to address structural issues for underrepresented groups in your field.

In order to empower women in the field of Computer Science/ Engineering I am a part of ML and Data Science groups for women where in meetups are organised for women to come together and share each other's contribution and knowledge among some of the experienced and inexperienced females. Many female IT industrialists are invited for motivational and technical talks.