**Homework- 1**

**(Kunal Saini, 2014053)**

**Q1:-** There are 2 government url that provide information regarding any person with just 2-3 fields to fill. And my experiment to glean the PPI of faculty and staff uses these two links, Backpack, Facebook and Google Image Search.

Those two url are:-

1. <https://incometaxindiaefiling.gov.in/eFiling/Services/KnowYourPanLink.html>

You just need to enter the Surname and Date of Birth and get the pan card number

1. <http://electoralsearch.in/>

You just need to enter the name and you will get the voter id details of the person

**1st Experiment**

I will just enter the name and get the voter id detail and to get the pan card number I will enter the name and for the date of birth I need to try a combination of 12(months)\*31(days)\*X(year) ,and they might block me so if will keep on changing my IP too and for the year:-

1. It can be estimated from the level of education that we can get from Facebook for instance:- for a professor who has done PhD we can calculate the year through the survey on internet that tells that :-

The average student takes 8.2 years to slog through a PhD program and is 33 years old before earning that top diploma.(Link:- <http://www.cbsnews.com/news/12-reasons-not-to-get-a-phd/>)

Earning a **Ph.D.**, also known as a Doctor of Philosophy, regardless of the subject of study, requires a set of tasks that typically take 5-6 years to complete(Link:- <http://study.com/how_long_does_it_take_to_get_a_phd.html>)

1. We can get the date of birth through Facebook (faculty and staff) or backpack (faculty) but for this they should have mentioned that there
2. As I am an image analysis student there are algorithm that can estimate your age by looking at your image that I could get from Facebook or Google, and filtering is done on these website on the basics of IIITD as they are part of it.

**2nd Experiment**

Though this experiment might not be too successful but can fetch some good result, this I thought to try on PK sir too .I would call if **Spam Emails Test**

In this experiment I will make a Gmail account having a similar name of the organization to which that person (faculty or staff) is assonated to or was previously associated ,and I will apply some Machine Learning or Data Mining algorithm to analyze the king of emails send by these organization and will try to make some same sort of email ,like some seminar is going on or we are thinking to hire you for some task and will ask for some of their PPI ,some identity proof type ,like in case of PK sir I have made a google account [cmuniversity.edu@gmail.com](mailto:cmuniversity.edu@gmail.com) resembles to that of CMU and I do have some mails of CMU send to its former students with me ,so I will also compose a mail for some seminar or guest invite to motivate students and ask for information .

**Q2:-**