## TCS: Tailored Course Suggester

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### Motivation

#### For Students

When was the last time you got a course of your interest?

#### For Instructors

When was the last time students remained enthusiastic post two weeks?

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Won't it be nice if each student got to know about courses of his/ her own interest, each semester?

- Personalized course recommendations for each user
- In line with the "promised" academic flexibility
- Completely blackboxed: data cannot be abused
- Tremendous scope for Future development
  - Semester Template Planning
  - Recommendations with Probability
  - Recommendations with Justifications

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#### Four stages:

- Stage I: Parsing Student Data
- Stage II: Parsing Course Data
- Stage III: Creating the DataBase
- Stage IV: Training and Recommending



Figure: Stage I

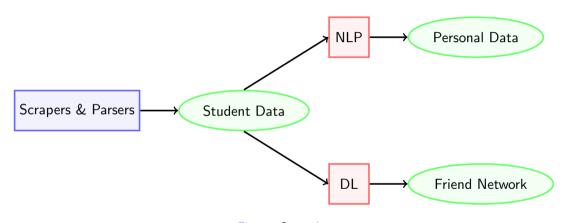


Figure: Stage I



Figure: Stage - II

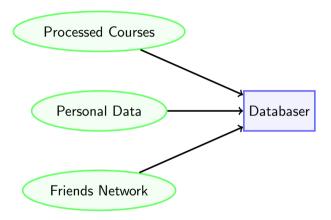


Figure: Stage - III

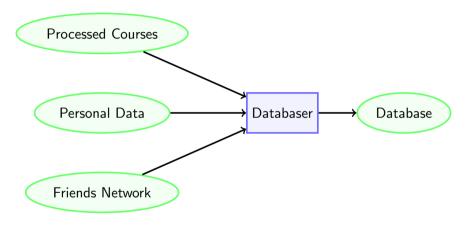


Figure: Stage - III

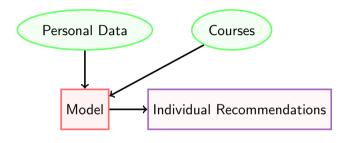


Figure: Stage - IV

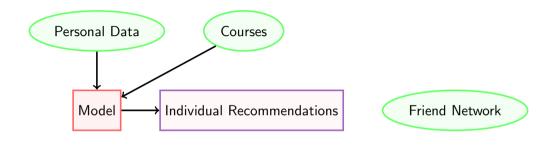


Figure: Stage - IV

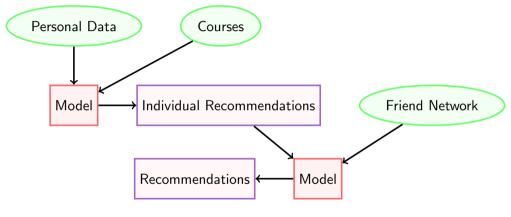


Figure: Stage - IV

- Student Data
- Course Data
- Technical Requirements
- Manpower

- Friends
- Clubs
- Groups
- Projects

- Student Data
- Course Data
- Technical Requirements
- Manpower

- Contents
- Grading
- Pre-requisites

- Student Data
- Course Data
- Technical Requirements
- Manpower

- Servers
- GPUs

- Student Data
- Course Data
- Technical Requirements
- Manpower

- SW Devs.
- ML Researchers
- Volunteers
- Others (PMs, etc.)

- Student Data
- Course Data
- Technical Requirements
- Manpower

Asset	Cost (INR)
Servers	5L
GPU	12L
Dev. Team	5.85L
Volunteers	0.15L
Buffer	2L

Table: Budget Breakdown

Total Cost:

Time:

$$25,00,000 \text{ INR}$$
  
 $1+6+3=10 \text{ months}$ 

