Double Minor

Worth It ?

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CSE and CMInDS

What is a Double Minor ?

- Possible to complete two minors in your stay at Insti
- Degree reads out **"Bachelor of Technology in XX with a minor in YY and ZZ"**
- Many combinations of (YY, ZZ) possible, mainly those which allow tagging of electives into M courses during retagging. Check minor requirements !

All about Planning and Time Management !

- Even possible to complete **Honors + Double Minor**
- Also **Triple Minor** in some cases

CSE Minor

- Strong foundation in Theoretical Computer Science: CSE Core Courses : Discrete Mathematics, Logic for CS, Automata, Operating Systems, Networks .etc
- Clear prereqs for adv courses, developing research interests for CS/EECS MS PhD
- Course content may be helpful for IT/Software Placement/Intern Tests/Interviews
- Heavy ! Not recommended if interested in programming/implementation only

AI and Data Science (CMInDS) Minor

- Huge basket of courses, more electives allows time flexibility
- Has some extremely practical, hands-on course projects, working with industry tools in DS, ML-AI, python libraries, assists in filling up your resume
- Theoretical courses often hand-wavy, not really helpful for delving into depth*
- Can be useful if planning to do a CMInDS IDDDP in future

* From my experiences of courses done, there may be exceptions to this claim

More about the Double Minor (CSE + CMInDS)

How to Complete It ? How much Time is Needed ? How to plan for It ?

- CSE minor requires 30 credits (5 M* courses / 4 M courses + 1 CSE elective)
- CMInDS requires 30 credits (2 M courses + 3 electives / 1 M course + 4 electives)
- In best case minimum of 5 semesters required to complete it
- May have to register for 54 credits for some semesters !

How did I plan for it ? How to manage with heavy core course load ?

- Sem 3 : DS203, Sem 4: DS303 : Both semesters heavy in EE core
- Sem 5: CS224, Sem 6: CS207, GNR602 (Maxed out on DE, IEs)
- Need to do 2 CS-M + 2 CMInDS electives in final year to complete

* Will be referring to Slot 5 courses (via pre-reg) as M. Ultimately everything is retagged to M

Is it worth doing a double minor ? Strategy ? Fundae ? Drawbacks?

- In some sense "making the most" out of your academic stay in the institute
- Confused about the research interests ? "Opportunity to explore sans CPI"
- Minor courses can assist in DE and IE completion and vise versa
- Allows filling up empty course slots, to optimise number of trips to LHC
- Assists in research, more graduate level courses, tech placement prep
- Allows technical expertise, even if not from a technical background
- Highly recommended for EE junta, since DEs and course content overlap

- "Choose Instructor over Course Content" : Batchmate/Senior reviews essential
- Often high CPI requirements : 8.5+ should be safe. Else plan ordering of courses
- Electives generally do not have CPI requirements