



GenAI Usage in Programming Assignments

1 message

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To: cs22b007@smail.iitm.ac.in

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Thanks for filling out [GenAI Usage in Programming Assignments](#)

Here's what was received.

Edit response

GenAI Usage in Programming Assignments

Put your thoughts/experiences regarding GenAI usage in solving programming assignments

Your email (cs22b007@smail.iitm.ac.in) was recorded when you submitted this form.

Email ID *

cs22b007@smail.iitm.ac.in

What is the size (LOC) of the largest programming project that you have done so far in life? *

- ☐ < 1000 LOC
- ☐ 1000 - 5000 LOC
- ☒ 5000 - 10000 LOC
- ☐ > 10000 LOC

On average GenAI is able to help you with what fraction of your programming assignments? *

1 2 3 4 5

You do not use it

☐ ☐ ☒ ☐ ☐

Completely

What tool(s) you prefer using? (e.g., ChatGPT, Perplexity etc.) *

perplexity

Do you pay for these tools? Which ones? *

perplexity pro is free with smail ID

You use GenAI to: *

- ☐ Learn about the background required to solve the assignment
- ☒ Write code snippets/functions after writing a skeleton code yourself
- ☐ Mostly useful for debugging code
- ☐ Write entire code for you

Do you cross check the code generated whether it makes sense semantically? (apart from trivial warnings or compilation issues) *

- ☒ Yes, completely
- ☐ Yes, minimally
- ☐ No! I believe in GenAI more than myself

Are you comfortable using GenAI code as long as it works, even if you do not understand the syntax or logic? *

- ☐ Yes, completely
- ☐ Yes, mostly to get things done
- ☒ Not often
- ☐ Absolutely not!

Given that you have access to GenAI, do you start assignments late compared to the time you would have started without such tools? *

- ☐ No
- ☒ Somewhat late
- ☐ Yes, very late

How long did you take to write a working code for the current assignments (problem 1 and problem 2)? *

problem 1 -> 8 hrs; problem 2 -> 4 hrs

Do you think that your coding skills are getting weaker due to excessive use of GenAI tools? *

- ☐ Yes, very much
- ☒ Yes, moderately so
- ☐ No, not much
- ☐ Absolutely not

Apart from all the good that GenAI tools have to offer, how do you think it is harming you intellectually? What all skills are getting impacted? *

It is inhibiting my curiosity and critical thinking. Instead of reasoning why we are taking each and every step in a particular way, we get a path taken by genAI and then find a reason it works. The entire part of "learning from mistakes" gets severely impacted.

Can you suggest a way how GenAI can be integrated to your curriculum, in particular for programming assignments? How should professors and students make the best use of it?

The assignments can have a requirement of detailed reports of each and every design decision of the code, and justification for steps taken.

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