

# PART II

## DESIGN PROJECT

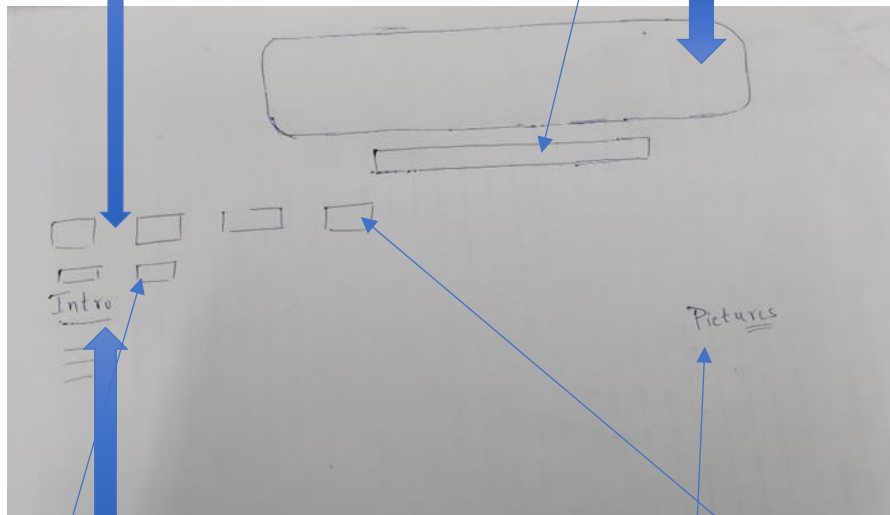
BY AAKRITY PANDEY

2020MT60865

I also placed the icons on left side of screen as it is the area where users first cast their eyesight.

Added the imp point thing below the heading as it was unnoticeable +looked very odd above the heading

I added the heading in rounded rectangle because it give a more premium look to our website than rectangle.



A lot of content was very vaguely presented on a single page- so I shifted them to different webpages and organized the contents properly ...so that user only sees the content he wishes to view and don't have to scan through all the data available on one page

There was no intro to the course, so I added one so that non-col100 students can also get to know about the course content and it is standardized practice to add basic info on home page.

I also added an imparts button and not Moodle, since our all the col100 resources where either on the site I redesigned or on impartus not Moodle. This way all the contents regarding Col100 page can be accessed through this site.

The course is about C, and programming stuff and there are many students into cp , so they should also add a tab with links to site like , code forces etc. and I added in my site to encourage the newbies into CP.

Students, especially after JEE don't want to study. And u make a boring website for studies, who will then care to visit. Adding pictures attracts viewers to our site.

# Original Site

This page will be updated regularly. Please visit (and reload) often. You are responsible for all information on this page.

## COL 100: Introduction to programming (Sem II, 2020-2021)

Navigator: [LabGroups](#) | [Assignments](#) [LabExams](#)

### Lab Groups and TA information

Lab Group	Timings	TA Name	TA Email
G21	Wednesday(1pm-3pm)	Naman Jain	<anz208848@iitd.ac.in>
G22	Wednesday(1pm-3pm)	Mohit Gupta	<cs5160433@iitd.ac.in>
G23	Thursday(1pm-3pm)	Shivani Ashok Kumar Mehta	<anz208490@iitd.ac.in>
G24	Thursday(1pm-3pm)	Ansh Sapra	<cs5160392@iitd.ac.in>
G25	Friday(1pm-3pm)	Rajat Singh	<csz208507@iitd.ac.in>
G26	Friday(1pm-3pm)	Ankit Kumar	<mt1170727@iitd.ac.in>
G27	Monday(1pm-3pm)	Aarushi Ranjan	<anz208846@iitd.ac.in>
G28	Monday(1pm-3pm)	Mohit Kumar Prajapat	<me1170591@iitd.ac.in>
G29	Tuesday(1pm-3pm)	Soumen Basu	<soumen.basu@cse.iitd.ac.in>
G30	Tuesday(1pm-3pm)	Saumya Gupta	<me1160689@iitd.ac.in>
G31	Friday(1pm-3pm)	Vivek Singh	<mcs192574@iitd.ac.in>
G32	Friday(1pm-3pm)	Meraj Ahmed	<mcs192565@iitd.ac.in>
G33	Monday(1pm-3pm)	Prakhar Agrawal	<cs5160387@iitd.ac.in>
G34	Monday(1pm-3pm)	Shivansh C Tripathi, Deepak Kunwar	<shivansh@cse.iitd.ac.in, mcs202455@cse.iitd.ac.in>
G35	Tuesday(1pm-3pm)	Anant Gulgulia	<mcs192558@iitd.ac.in>
G36	Tuesday(1pm-3pm)	Satyam Jay, Ashima Mittal	<mcs202468@cse.iitd.ac.in, anz208486@iitd.ac.in>
G37	Wednesday(1pm-3pm)	Priyadarshi Hitesh	<mcs192569@cse.iitd.ac.in>
G38	Wednesday(1pm-3pm)	Aman Shreshtha, Sai Kandregula	<csy207599@iitd.ac.in, csy207570@cse.iitd.ac.in>
G39	Thursday(1pm-3pm)	Shayan	<cs1170375@iitd.ac.in>
G40	Thursday(1pm-3pm)	Samidha Verma, Mayank Gupta	<csy207575@cse.iitd.ac.in, csy207571@cse.iitd.ac.in>

### Assignments

Assignment	Solutions
<a href="#">Assignment 0 , VPN setup</a>	
<a href="#">Assignment 1</a>	<a href="#">Download Solutions</a>
<a href="#">Assignment 2</a>	<a href="#">Download Solutions</a>
<a href="#">Assignment 3</a>	<a href="#">Download Solutions</a>
<a href="#">Assignment 4</a>	<a href="#">Download Solutions</a>
<a href="#">Assignment 5</a>	<a href="#">Download Solutions</a>
<a href="#">Assignment 6</a>	

### Lab Exams

Lab Exam	Start	End
<a href="#">Mock Lab Exam Instructions</a>	23rd March 10 am	24th March 11.59 pm
<a href="#">Lab Exam-1 Instructions , Lab Exam-1 Question Paper</a>	27th March 3:30 pm	27th March 5:00 pm
<a href="#">Lab Exam-2 Instructions</a>	25th April 3:30 pm	25th April 5:00 pm

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Dept. of Computer Sc. & Engg.  
IIT Delhi  
New Delhi 110016

After I redesigned the site. Do check out my zip file  
I have attached the html files in the submission.

I've created this div to be blinking  
to grab the attention of the user  
...as a must read info should  
capture the attention of the user.

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- Home
- Lab Groups
- Assignments
- Lab Exams
- Impartus

For CP

- Codeforces
- Hackearth

### OVERVIEW

COL100: Introduction to Computer Science is intended for First Year B. Tech. students with some prior elementary background in programming. The course COL100 addresses on the following issues:


1. Problem formulation in a precise and concise fashion and independent of language considerations.
2. The design of an algorithm from the problem specification -- its correctness and analysis of its efficiency.
3. The intermediate steps in the design of a program from an algorithm through a process of step-wise refinement. Language dependent considerations may be used in this process, but not elsewhere.

The emphasis throughout the course is in the analysis required while designing correct and efficient algorithms. The course is intended to teach a student a systematic process of design - beginning with problem formulation from an informal specification, through convincing arguments to algorithms, the analysis of their correctness and efficiency, and finally arriving at programs through a process of step-wise refinement. A programming language bias is avoided and programs are developed in both imperative and functional styles.

The first part of the course introduces the basics of the functional and imperative models of computation, recursive and iterative processes, and the basics of programming using higher-order functions. The programming languages used for functional and imperative programming are Standard ML and Python, respectively.

The second part of the course introduces data-directed programming. It emphasizes on programming with records, lists, trees, arrays and developing abstract data types.

The third part of the course addresses the issues in design and analysis of simple algorithms. Examples are taken from Divide and conquer, Backtracking, Numerical algorithms, Randomized algorithms and Geometric algorithms.



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Organized the contents properly on different pages and made navigation easier. Using the 5 buttons above.

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An attractive background is necessary for a good website and since the subject is about programming dark colours as in VSCode looks cool therefore I decided to choose the above background .as a reference for colors to be used int the website I used the site:

1. <https://visme.co/blog/website-color-schemes/>
2. VS Code
3. [https://www.w3schools.com/colors/colors\\_picker.asp](https://www.w3schools.com/colors/colors_picker.asp) (for various colour codes)

For content organization I was inspired by the following sites:

1. <https://cse.iitk.ac.in/users/hk/cs201/2017/left.html/> (the way they added buttons for various links instead of viewing all the contents on a single page).
2. [https://www.iitr.ac.in/hi/departments/CSE/pages/Academics+Course\\_Structure\\_PG\\_Computer\\_Science\\_and\\_Engineering.html/](https://www.iitr.ac.in/hi/departments/CSE/pages/Academics+Course_Structure_PG_Computer_Science_and_Engineering.html/) (the bluish hue inspired me)

Since this was my first html project, I took the help of the following sites to write various html codes:

1. <https://www.w3schools.com/>
2. <https://www.bitdegree.org/learn/html-button/>
3. <https://html.com/>

Was nice experience learning and using HTML first time, Looking forward to more of web and app developments.