



आईएफटीएम विश्वविद्यालय, मुरादाबाद, उत्तर प्रदेश

IFTM University, Moradabad, Uttar Pradesh

NAAC ACCREDITED

E-Content

IFTM University, Moradabad

Lalit Johari

Search

Monday, December 12, 2022

How to Join a NPTEL Course For Jan - April 2023 Session

Hello Students

Here I will tell you how you can find, select, and enroll yourself for any NPTEL course for the session Jan - April 2023.

Very First Go to www.onlinecourses.nptel.ac.in and click on the Final Course List.

Click here to download the sheet

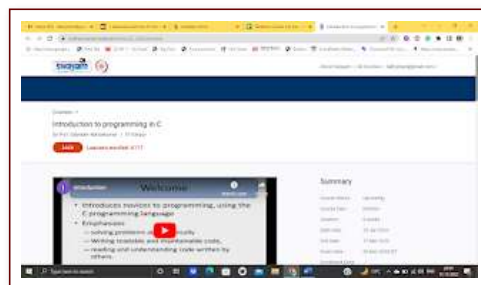
Course ID	Course Name	Faculty	Link to join the course
NPTEL12345	Introduction to Python	Dr. Anil Kumar	Click here to join the course
NPTEL12346	Advanced Python	Dr. Anil Kumar	Click here to join the course
NPTEL12347	Machine Learning	Dr. Anil Kumar	Click here to join the course
NPTEL12348	Deep Learning	Dr. Anil Kumar	Click here to join the course
NPTEL12349	Computer Vision	Dr. Anil Kumar	Click here to join the course
NPTEL12350	Natural Language Processing	Dr. Anil Kumar	Click here to join the course
NPTEL12351	Reinforcement Learning	Dr. Anil Kumar	Click here to join the course
NPTEL12352	Robotics	Dr. Anil Kumar	Click here to join the course
NPTEL12353	Autonomous Systems	Dr. Anil Kumar	Click here to join the course
NPTEL12354	Human-Robot Interaction	Dr. Anil Kumar	Click here to join the course
NPTEL12355	AI Ethics	Dr. Anil Kumar	Click here to join the course

Now choose the Appropriate Course from the Course Name considering your Branch shown as Discipline.

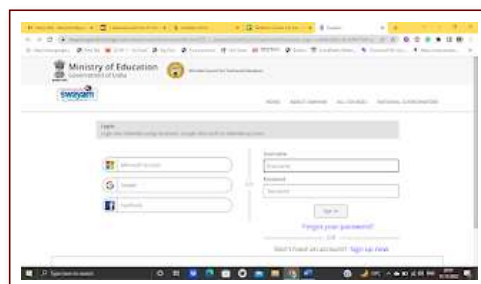
Here you can find the Detail such as who is the Faculty for that course, the course duration, the course start date, the ending date, exam date with a course joining link.

Click on the concerned course joining link from the Column **Click here to join the course**.

A new Web Page Opens click on Join Button Now.



Now if you don't have an NPTEL account, Just Sign Up and log in and click on the course joining Link.



Airflow



CETPA



N/W Security



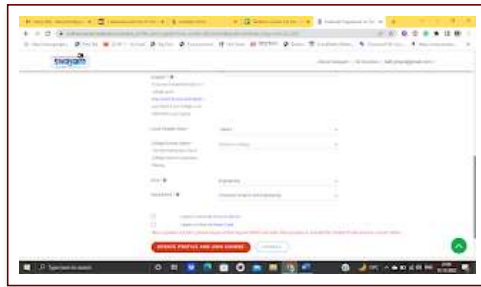
AWS



IIT Roorkee

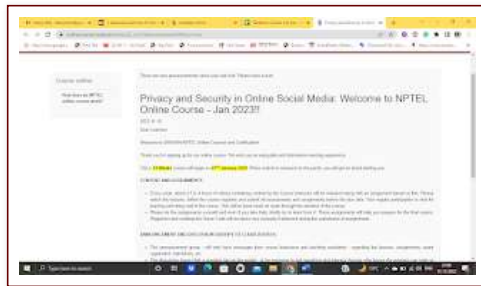
When you join any Course, you have to fill out or Update Your Profile.

Don't forget to fill in the Name of the Local Chapter State and College/School Name.



Now at Last Click on both checkboxes and Click on UPDATE PROFILE AND JOIN COURSE.

A confirmation page will open Now.



Thanks for Watching.

Posted by Lalit Johari at 9:33 AM No comments:

Thursday, May 28, 2020

A journey from Python to Web scraping --> machine Learning --> Artificial Intelligence

Hello, guys, here I am going to tell you all my steps that pushing me towards data science. Here in this post, I am going to tell you the way that I choose and you can follow as well.

So very first it is important that you must have a technical background(at least BCA) and must have a keen interest to learn new technology or programming language. I want to learn python for a long time and when I get time started my own.

Now moved to how to start.

When we start any language course, we always start with how to install that language package. In the same manner when start learning python start right from installation. Next after installation to write code you we need a Python integrated development environment (IDE). Pycharm is best because it provides all builtin functions and saves time in code typing. Best video for installation of python and pycharm is given here:

<https://www.youtube.com/watch?v=MoeQlmeJnPg>



ZIIEI



CYBER SECURITY



IIT Roorkee



#COVID19

After successful installation start any free course online that learn you python. I found it through www.educative.io. This website not only providing free python course but also giving program run environment without any installation. Anyone can write code when and where studying on this website and free of cost on any device. The interface of the website is also very user friendly. What else you need? Just start studying and be a python learner. Give at least 20 days to python otherwise, you will dump yourself.

More ways to Run Python Code

Hello once again guys, till now we have seen that by using pycharm python code can be run, It is good to use pycharm for a professional developer. But there are two more ways to run python code.

Without installing python, install anaconda navigator than all the tools are available towards data science and one from the list is Jupyter Notebook. So after installing Anaconda Navigation from the bellow given URL Jupiter is ready to run python code.

<https://www.anaconda.com/products/individual>

It is a web-based interface that is extremely easy.

Now there is one more way to run python code on your machine that is through the Sublime text editor. So first install python and then install sublime text editor from the bellow given URL.

<https://www.sublimetext.com/3>

This is a lightweight way to run python code. And working is nearly the same as pycharm.

So summarizing my today's post if going for anaconda Navigator don't install python while going for Pycharm OR Sublime Text 3 install python as per operating system.

Free Python Ebooks To Download for Reading

Books play a significant role in our life. They say that "When you open a book, you open a new world". Books are packed with knowledge, insights into a happy life. I have observed that by reading a book, you can dive much deeper into whatever you want to learn. In the case of video, the learning is a bit quicker but not that in-depth because books allow room for imagination.

It all is also true about python programming so I am here giving some links to download python books free to read.



About Me



Lalit Johari

Moradabad, India

I am a technocrat by interest and a teacher by profession. By the grace of God, teaching technologies that are creating my life so love my job by heart.

[View my complete profile](#)

Blog Archive

▼ 2022 (1)

▼ December (1)

How to Join a
NPTEL
Course For
Jan - April
2023 Se...

► 2020 (4)

These books are not large in size so easy to read on any device.

The appeal of Python is in its simplicity and beauty, as well as the convenience of the large ecosystem of domain-specific tools that have been built on top of it.

<https://www.oreilly.com/programming/free/files/a-whirlwind-tour-of-python.pdf>

The Python ecosystem is vast and far-reaching in both scope and depth. Starting out in this crazy, open-source forest is daunting, and even with years of experience, it still requires continual effort to keep up-to-date with the best libraries and techniques.

<https://www.oreilly.com/programming/free/files/20-python-libraries-you-arent-using-but-should.pdf>

There are two major versions of the Python programming language: the Python 2.x series, and the newer Python 3.x series.

<https://www.oreilly.com/programming/free/files/from-future-import-python.pdf>

Python is most definitely not a “pure functional programming language”; side effects are widespread in most Python programs. That is, variables are frequently rebound, mutable data collections often change contents, and I/O is freely interleaved with computation.

<https://www.oreilly.com/programming/free/files/functional-programming-python.pdf>

Posted by Lalit Johari at 7:48 PM 1 comment:

Labels: For Friend

Saturday, May 23, 2020

Make First Educational Video

Make First Educational Video Using only Laptop and Mobile.



Hello friends. Here I am posting a video that tells, how easily we can create an educational video to teach our students. Using my method you are not going to develop a professional video but you can communicate with your students in an easy and effective manner.

So enjoy the video here.

Posted by Lalit Johari at 4:53 AM 2 comments:
Wednesday, April 29, 2020

Client-Server Computing for M.C.A.

IFTM UNIVERSITY
DEPARTMENT OF COMPUTER APPLICATIONS
Client-Server Computing
MCA 415
Assignment:#1

NOTE: ATTEMPT ALL QUESTIONS AND SUBMIT BEFORE 21/5/2020

- Q1. Explain client-server computing with its characteristics. What is a single system image?
- Q2. What are the services of the server? Explain the network operating system.
- Q3. Define right-sizing, upsizing, and downsizing.
- Q4. What is the system integration life cycle?
- Q5. What do you mean by object linking and embedding?
- Q6. What are bridges and routers?

IFTM UNIVERSITY
DEPARTMENT OF COMPUTER APPLICATIONS
Client-Server Computing
MCA 415
Assignment:#2

NOTE: ATTEMPT ALL QUESTIONS AND SUBMIT BEFORE 22/5/2020

- Q1. What is system availability, serviceability, help desk, remote system management?
- Q2. What do you mean by training advantages of GUI applications?
- Q3. Explain the difference between end-user training and database administrator training.
- Q4. What is preserving mainframe applications?
- Q5. What are the different client services? Explain
- Q6. What do you mean by inter-process communication?

HOW TO SUBMIT:

1. Write answers to the above assignments by hand on a copy.
2. Take a photo of each page on your mobile.
3. Install clearscanner app from play store
4. Convert assignment images into one pdf file
5. Whatsapp this one pdf file that has two assignments on 9997213060 or mail me lalitjohari@gmail.com.

"TO GET THE ANSWERS OF ALL QUESTIONS USE THE FOLLOWING LINK"

http://mm.iit.uni-miskolc.hu/Data/texts/BOOKS/Client_Server_Computing/csc01.htm
(COMPLETE BOOK OF CLIENT SERVER COMPUTING BY PATRICK SMITH)

Posted by Lalit Johari at 12:20 PM No comments:
Labels: for mca students

Data Structure & Algorithms for B.C.A.

IFTM UNIVERSITY
DEPARTMENT OF COMPUTER APPLICATIONS
DATA STRUCTURE & ALGORITHM
BCA 212
Assignment: #1

- Q1. Define Data Structure.
- Q2. Explain the classification of Data Structure.
- Q3. Explain various operations performed on Data Structures.
- Q4. Explain complexity and its types considering any algorithm?
- Q5. What is a 2-Dimensional Array? Explain in detail.
- Q6. Write an algorithm for linear search. Discuss its cases.
- Q7. Define Stack. Write an algorithm for pop operation.
- Q8. What is a circular queue? Write an algorithm for deleting an element.

Assignment: #2

- Q1. What is Binary Tree?
[HINT: <https://www.youtube.com/watch?v=uWBqWvjreNo&t=725s>]
- Q2. Explain INORDER, PREORDER and POST ORDER traversal of binary tree.
[HINT: <https://www.youtube.com/watch?v=cbaWHXSsSCY&t=232s>]
- Q3. Explain linked representation of binary tree with example?
[HINT: <https://www.youtube.com/watch?v=l7P4ESrSaqc>]
- Q4. Explain Linear array representation of binary tree with example?
[HINT: <https://www.youtube.com/watch?v=disnC1RFE4M&t=82s>]
- Q5. Create a binary tree using inorder and preorder traversal
Inorder = 3, 6, 7, 11, 13, 15, 16
Preorder = 11, 6, 3, 7, 15, 13, 16
[HINT: <https://www.youtube.com/watch?v=LrmitUxgXbc&t=72s>]
- Q6. Create a binary tree using Inorder and Postorder Traversal
Inorder = 4, 2, 5, 1, 6, 3, 7
Post-order = 4, 5, 2, 6, 7, 3, 1
[HINT: <https://www.youtube.com/watch?v=IVICn-DNO5k>]

Assignment: #3 (MCQ)

NOTE: CHOOSE CORRECT OPTION AND EXPLAIN IN A SINGLE STATEMENT

- 1) What is Data Structure?
A. Way to organize data
B. Accessing of data elements in specified manner
C. Organization of mathematical and logical concepts

D.All of Above

2) The memory address of the first element is called ?

- A.Floor Address
- B.Foundation Address
- C.First Address
- D.Base Address**

3) The operation of the processing element is called?

- A.Traversing**
- B.Inserting
- C.Deleting
- D.Searching

4) The terms PUSH and POP are related to ?

- A.Arrays
- B.Stacks**
- C.LinkedList
- D.None

5) In order traversal of binary search tree will produce –

- A.unsorted list
- B.reverse of input
- C.sorted list**
- D.none of the above

6) Queue data structure works on

- A.LIFO
- B.FIFO**
- C.FILO
- D.none of the above

7) Which of the following data structure is non-linear type?

- A. Strings
- B. Lists
- C. Stacks
- D. None of above**

8) An algorithm that calls itself directly or indirectly is known as

- A. Sub algorithm
- B. Recursion**
- C. Polish notation
- D. Traversal algorithm

9) When new data are to be inserted into a data structure, but there is no available space; this situation is usually called

- A. underflow
- B. overflow**
- C. housefull
- D. saturate

10) Two main measures for the efficiency of an algorithm are

- A. Processor and memory
- B. Complexity and capacity
- C. Time and space**
- D. Data and space

IFTM UNIVERSITY
DEPARTMENT OF COMPUTER APPLICATIONS
DATA STRUCTURE & ALGORITHM
BCA 212
Assignment: #4

SUBMIT THIS ASSIGNMENT BEFORE 21/5/2020

Q1. What is a Linked list? Give a memory representation of the Linked list.

Q2. What is the Avail list? Explain underflow and overflow in a linked list.

Q3. Write an algorithm to insert an element into a Linked list.

Q4 . Write an algorithm to delete an element from a Linked list.

Q5. How polynomial representation is possible in Linked list. Explain

Q6. Write short note on the following:

- a) Doubly Linked list
- b) Circular Linked list
- c) **Header Linked list**

HOW TO SUBMIT:

1. Write answers to the above assignments by hand on a copy.
2. Take a photo of each page on your mobile.
3. Install clearscanner app from play store
4. Convert assignment images into one pdf file
5. Whatsapp this one pdf file that has two assignments on 9997213060 or mail me lalitjohari@gmail.com.
6. You can also find it all on lalitjohari.blogspot.com

ANY STUDENT CAN FIND COMPLETE STUDY MATERIAL OF DATA STRUCTURE USING THE FOLLOWING LINKS:

CHAPTER 1: <https://edutechlearners.com/download/DS/01Introduction.pdf>

CHAPTER 2: <https://edutechlearners.com/download/DS/02Arrays.pdf>

CHAPTER 3: <https://edutechlearners.com/download/DS/04Stacks.pdf>

CHAPTER 4: <https://edutechlearners.com/download/DS/05Queues.pdf>

CHAPTER 5: https://edutechlearners.com/download/DS/06Linked_List.pdf

CHAPTER 6: <https://edutechlearners.com/download/DS/07Trees.pdf>

CHAPTER 7: <https://edutechlearners.com/download/DS/08Sorting.pdf>

Posted by Lalit Johari at 11:58 AM 9 comments:

Labels: [for bca students](#)

[Home](#)

Subscribe to: [Posts \(Atom\)](#)

Simple theme. Powered by Blogger.