S. E. SOCIETY'S

S.N.B.P. COLLEGE

Maharashtra Housing Board, Yerawada, Pune - 411 006.
Phone : 2668 6162, Email : snbp_pune2010@yahoo.co.in
AISHE CODE : C - 41455   PU/PN/C/359/2009 - College Code - 0883
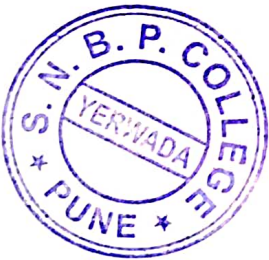
Outward No. :   Date : 20\8\2020

NOTICE

This is to inform to all student of BBA(CA) and B.Sc.(CS) that S.N.B.P. College, Yerwada organizes a value added course of "**Principles of programming Algorithm** will be conducted from 7/09/2020 to 25/09/2020 at 8.30 am to 10:30 am. This course will be conducted online. Interested student please enroll your names to respective teachers.

Course Co-ordinator: Mrs. Prajakta Temkar

Principal

I/C Principal
S. N. B. P. COLLEGE
Maharashtra Housing Board
Yerwada, Pune - 411 006

Principles of programming Algorithm

Course Content

Algorithm

Importance of an Algorithm?

How to write an algorithm?

How to build an algorithm in six steps

1. Step 1: Determine the goal of the algorithm.
2. Step 2: Access historic and current data.
3. Step 3: Choose the right models.
4. Step 4: Fine tuning.
5. Step 5: Visualize your results.
6. Step 6: Running your algorithm continuously.

What is an algorithm in coding?

What is fundamental of programming?

Advantages of Algorithm

Flow Chart

What is Flow Chart?

How to write a Flowchart

Standard Flow Chart Symbols

Flowchart Illustrations through examples

Advantages of Flow Chart

Pseudocode

What is pseudocode in programming?

How to write **effective** pseudocode?

What are the benefits of pseudocode?

Importance of pseudocode

What is a Algorithm and pseudocode?

What is a flowchart and pseudocode?

Outcomes of Sustainable Development Certificate Course:
After completing this course:

Student gets the information regarding Algorithms, Flowchart And Pseudocode, also they understand how to use it and importance of this .

- Algorithms are the foundation of programming; they allow our device. apps, and websites to make decisions. Similarly, algorithmic thinking requires not only the solution to a problem but steps that can be replicated to find said solution
- It improves the readability of any approach and is one of the best ways to start implementation of an algorithm.
- Algorithmic thinking is a critical problem-solving skill for students to learn. It strengthens the ability of the student to create a process for finding a solution as opposed to focusing on the answer itself.
- Flow chart is a diagrammatic representation of the solution to a given problem but, more importantly, it provides a breakdown of the essential steps to solving the problem. When designing and planning a process, flowcharts can help you identify its essential steps and simultaneously offer the bigger picture of the process
- Pseudocode acts as a bridge between the program and the algorithm and flowchart. It works as rough documentation and so other developers can understand the program of another when the pseudocode has been written.

S.E. Society's
SNBP College, Yerwada
Maharashtra Housing Board, Opp. Air Port Road, Pune-06.
Add on Course List of students for Principles of Programming & Algorithms
2020-21

Sr.No.	Name of Student	Class
1.	Mugle Nikita	FY BCS (CS)
2.	Kharat Riya	FY BCS (CS)
3.	Ankit Singh	FY BCS (CS)
4.	Uttekar Kshitij	FY BBA (CA)
5.	Sharma Govind	FY BBA (CA)
6.	Shelke Om Sudhakar	FY BCS (CS)
7.	Hambir Karan	FY BBA (CA)
8.	Choubey Manish	FY BCS (CS)
9.	Kamble Sahil	FY BCS (CS)
10.	Thopate Durwankur	FY BBA (CA)
11.	Patil Amaan	FY BBA (CA)
12.	Pawar Vishnu Prakash	FY BCS (CS)
13.	Shinde Akhilesh	FY BBA (CA)
14.	Singh Nidhi	FY BCS (CS)
15.	Ayyan shaikh	FY BCS (CS)
16.	Phadtare Shreyas	FY BBA (CA)
17.	Dimble Yash	FY BCS (CS)
18.	Patil Aakansha	FY BBA (CA)
19.	Dhandore Rutika	FY BBA (CA)
20.	Atharva Nerlekar	FY BCS (CS)
21.	Shishir Kumar	FY BBA (CA)

No. अ. क्र.	Name नांव	Designation हुदा	1 १	2 २	3 ३	4 ४	5 ५	6 ६	7 ७	8 ८	9 ९	10 १०	11 ११	12 १२	13 १३	14 १४	15 १५	16 १६	17 १७	18 १८	19 १९	20 २०	21 २१	22 २२	23 २३	24 २४	25 २५	26 २६	27 २७	28 २८	29 २९	30 ३०	31 ३१	Total Days एकूण दिवस	Signature & Remarks सही व शेरा
									P	A	P	P	P	P		P	P	P	A	P	P		P	P	P	P	P								
1.	Mugle Nikita								A	P	P	P	P	P		P	P	P	P	P	P		P	P	A	P	P								
2.	Kharat Riya								P	P	A	A	P	A		P	P	P	P	P	P		A	P	P	P	P								
3.	Ankit Singh								P	A	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P								
4.	Uttekar Kshitij								P	A	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P								
5.	Sharma Govind								A	P	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P								
6.	Shelke Om Sudhakar								P	P	P	A	P	P		P	P	P	P	P	P		P	P	A	P	P								
7.	Hambir Karan								P	A	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P								
8.	Choubey Manish								P	P	P	P	A	P		P	P	P	P	P	P		P	P	P	P	P								
9.	Kamble Sohil								A	P	P	P	P	P	S	P	P	P	P	P	P		P	P	P	P	P								
10.	Thopate Ourwankur								P	P	P	A	P	P	U	P	P	P	P	P	P	S	P	P	P	P	P								
11.	Patil Amaan								P	P	P	P	A	P	N	P	P	P	P	P	P	U	P	P	P	P	P								
12.	Pawar Vishnu P.								P	P	P	A	P	P	D	P	P	P	P	P	P	N	P	P	P	P	P								
13.	Shinde Akhilesh								P	A	P	P	P	P	A	P	P	P	P	A	P	D	P	P	P	P	P								
14.	Singh Nidhi								P	P	A	P	P	P	Y	P	P	P	P	P	P	A	P	P	P	P	P								
15.	Ayyan Shaikh								A	P	P	P	P	P		P	P	P	P	P	P	Y	P	P	P	P	P								
16.	Phadtare Shreyas								P	P	P	A	P	P		P	P	P	P	P	P		P	P	P	P	P								
17.	Dimple Yash								P	P	P	P	A	P		P	P	P	P	P			P	P	P	P	P								
18.	Patil Aakansha								A	P	P	P	P	P		P	P	P	P	P			P	P	P	P	P								
19.	Dhandore Rutika								P	P	P	A	P	P		P	P	P	P	P			P	P	P	P	P								
20.	Atharva Neylekar								P	A	P	P	P	P		P	P	P	P	P	P		P	P	P	P	P								
21.	Shishir kumar								P	P	P	P	A	P		P	P	P	P	P	P		P	P	P	P	P								

Subject Na Principles of Programming & Algorithr **Date** 28/09/2020

Subject Code : PPA01

Roll No	Name	viva (10)	Assignment (20)	Total (30)
1	Mugle Nikita	8	18	29
2	Kharat Riya	6	16	22
3	Ankit Singh	5	16	21
4	Uttekar Kshitij	5	17	22
5	Sharma Govind	8	11	19
6	Shelke Om Sudhakar	6	15	21
7	Hambir Karan	7	14	21
8	Choubey Manish	7	13	20
9	Kamble Sahil	6	14	20
10	Thopate Durwankur	5	15	20
11	Patil Amaan	8	14	22
12	Pawar Vishnu Prakash	7	18	25
13	Shinde Akhilesh	7	16	23
14	Singh Nidhi	6	16	22
15	Ayyan shaikh	5	17	22
16	Phadtare Shreyas	8	15	23
17	Dimble Yash	7	14	21
18	Patil Aakansha	7	18	25
19	Dhandore Rutika	6	16	22
20	Atharva Nerlekar	6	17	23
21	Shishir Kumar	5	15	20

Report

College has successfully completed add-on course on **Principles of programming Algorithm**. Total 21 students were enrolled in course. All 21, students successfully Completed the course

Certificate

This is to certify that Mr./Ms. _Shinde Akhilesh_

Studying in the class of F.Y. B.B.A.(CA) / F.Y. B.Sc.(CS). He/She has successfully completed the Value Added Course under Choice Based Credit System in _Principles of Programming Algorithm_ subject in the Academic year 2020 - 2021

He/She has obtained __A__ Grade.

Date: 28/09/2020   **Course Co-ordinator**   **I/C Principal**