

JNAN VIKAS MANDAL'S

Mohanal Raichand Mehta College of Commerce
Diwali Maa Degree College of Science
Amritlal Raichand Mehta Degree College of Arts
Padmashree (Dr.) R.T. Doshi Degree College of Computer Science
Plot No.9, Sector -19, Airoli, Navi Mumbai
NAAC Re-Accredited CGPA-3.33 'A'-Grade

Minutes of Meeting

The online departmental meeting was held on June 12, 2022, at 10:30 a.m. in the IT lab..

Following matters were discussed and finalized as per the agenda.

❖ Conduction of Bridge course for SYTT students

It was decided that the Bridge Course should be conducted from 13th June 2021 to 18th June 2022. A total of 5 subjects are included in the Bridge Course. And it was decided that it should be 40 hours.

❖ Subject Distribution

It was decided that OOPs/Python subject will be taken by Mr.Mustufa Nullwala, COD/Microprocessor subject will be taken by Mrs. Rajshree Pisal, Digital Electronics subject will be taken by Rajshree Pisal, Imperative Programming/Data Structure subject will be taken by Mrs. Bhagyashree Kulkarni and Communication Skill subject will be taken by Ms. Jael Angel Johnson. All the teachers were asked to design the syllabus for 8 hours each share by 12th June 2022.

❖ Work Distribution

Subjects are distributed among following teachers

Sr No.	Teacher Name	Subject Name
1	Mr.Mustufa Nullwala	OOPs/Python
2	Mrs.Rajshree Pisal	COD/Microprocessor
3	Mrs.Rajshree Pisal	Digital Electronics
4	Mrs.Bhagyashree Kulkarni	Imperative Programming/Data structure
5	Ms. Jael Angel Johnson	Communication Skill



Adjournment

Meeting was adjourned at 11:30 a.m.

Following members were present:

- Dr.(Mrs.) Leena Sarkar (Principal)
- Dr. B. R. Deshpande (Vice- Principal)
- Asst. Prof. Janhvi Kshirsagar (CS-IT Coordinator)
- Asst. Prof. Archana Sanap (IT- Incharge)
- Asst. Prof. Mustufa Nullwala.
- Asst. Prof . Rajshree Pisal. .
- Asst. Prof . Bhagyashree Kulkarni.
- Asst. Prof. Ms.Jael Angel Johnson .

Signature

Leena

JK
Archana

Pikaneskar
Bk



Syllabus Bridge Course for SYBsc(IT)

Duration: - 40 hours

OBJECTIVES: -

- 1) To bridge the gap between subjects studied at pre-university level and subjects they would be studying in graduation.
- 2) To provide adequate foundation in core subjects, limited to moderate level so that students do not face any difficulty when the classes commence.
- 3) To act as a buffer for the new entrance.
- 4) To demonstrate a breadth and depth of knowledge in the discipline of computer science and information technology.

OUTCOME: -

Students will be able to

- 1) Equipped with the knowledge and confidence needed to take on bigger challenges.
- 2) Impact basic knowledge in them about advanced subjects that will be taught to them in the upcoming future.
- 3) Understand the essence of knowledge gained beyond curriculum.

Module	Contents	Number of hours
I	<p>Module: OOPs/Python</p> <p>Object Oriented Methodology: Introduction, Advantages and Disadvantages of Procedure Oriented Languages, what is Object Oriented? What is Object Oriented Development? Principles of OOPS: OOPS Paradigm, Basic Concepts of OOPS- Objects, Classes, Data Abstraction and Data Encapsulation, Inheritance, Polymorphism, Dynamic Binding, Message Passing</p> <p>Python: How to create a class, Instantiating objects, Adding attributes to a class, Defining methods within a class, Passing arguments to methods</p>	7 hours

	Case study/Assignment and test	1 hour
II	<p>Module: COD/Microprocessor</p> <p>Microprocessor, microcomputers, and Assembly Language: Microprocessor, Microprocessor Instruction Set and Computer Languages, From Large Computers to Single-Chip Microcontrollers, Applications.</p> <p>Microprocessor Architecture and Microcomputer System: Microprocessor Architecture and its operation's, Memory, I/O Devices, Microcomputer System, Logic Devices and Interfacing, Microprocessor-Based System Application.</p> <p>8085 Microprocessor Architecture and Memory Interface: Introduction, 8085 Microprocessor unit, Addressing Modes in 8085, Interrupts in 8085.</p> <p>Microprocessor: 8085 Instruction Sets, 8085 – Demo Programs</p> <p>Microcontrollers: Overview, Difference between Microprocessor and Microcontroller, Types of Microcontrollers, Applications of Microcontrollers.</p>	7 hours
	Case study/Assignment and test	1 hour
III	<p>Module: Digital Electronics</p> <p>Number system – Analog, Digital, binary, octal, hexadecimal and its conversion.</p> <p>Boolean algebra and logic gates – introduction, logic (AND, OR, NOT), Boolean theorems, De-morgans theorem, deriving expression from circuit.</p> <p>Binary Arithmetic: Binary addition, Binary subtraction.</p> <p>Negative number representation: Subtraction using 1's complement and 2's complement.</p> <p>Binary multiplication and division, Arithmetic in octal number system, Arithmetic in hexadecimal number system</p>	7 hours



	Case study/Assignment and test	1 hour
IV	<p>Module: Imperative Programming/Data structure</p> <p>Introduction: Types of Programming languages, History, features and application. Simple program logic, program development cycle, flowchart symbols, desirable program characteristics.</p> <p>Fundamentals: Structure of a program. Compilation and Execution of a Program, Character Set, identifiers and keywords, data types, constants, variables and arrays, declarations, expressions, statements, Variable definition, symbolic constants.</p> <p>Operators and Expressions: Arithmetic operators, unary operators, relational and logical operators, assignment operators, the conditional operator, bitwise operators, special operators. (With examples)</p>	7 hours
	Case study/Assignment and test	1 hour
V	<p>Module: Communication Skill</p> <p>Need and Importance Interview Resume Job Application Letter Emotional Intelligence Report Writing Email Writing, Notice and Agenda</p>	7 hours
	Case study/Assignment and test	1 hour



Timetable



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Plot no.9, Sector -19, Airoli, Navi Mumbai

Class :S.Y.B.Sc. (I.T.)

Bridge Course Time Table

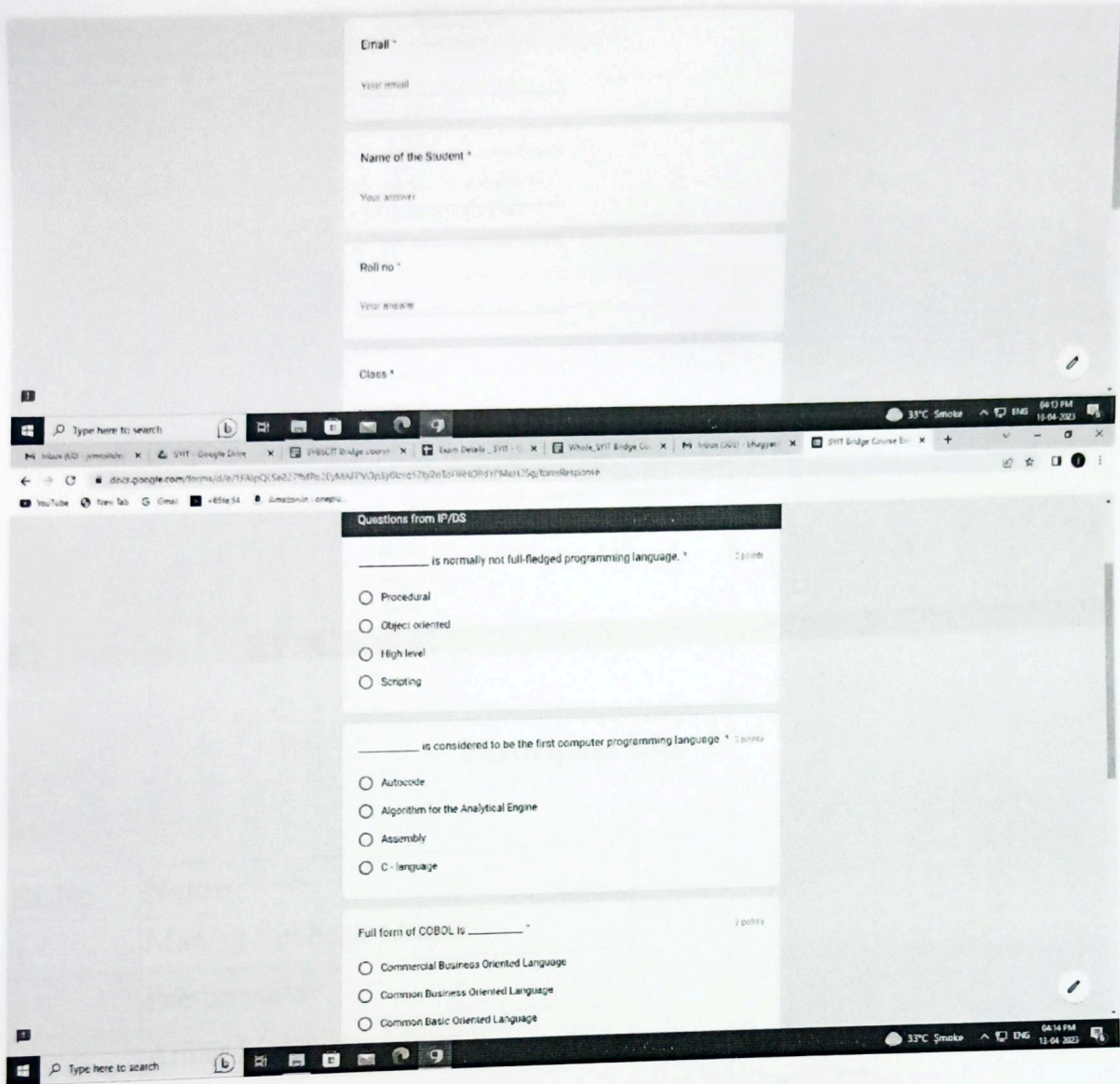
Academic year: 2022-2023

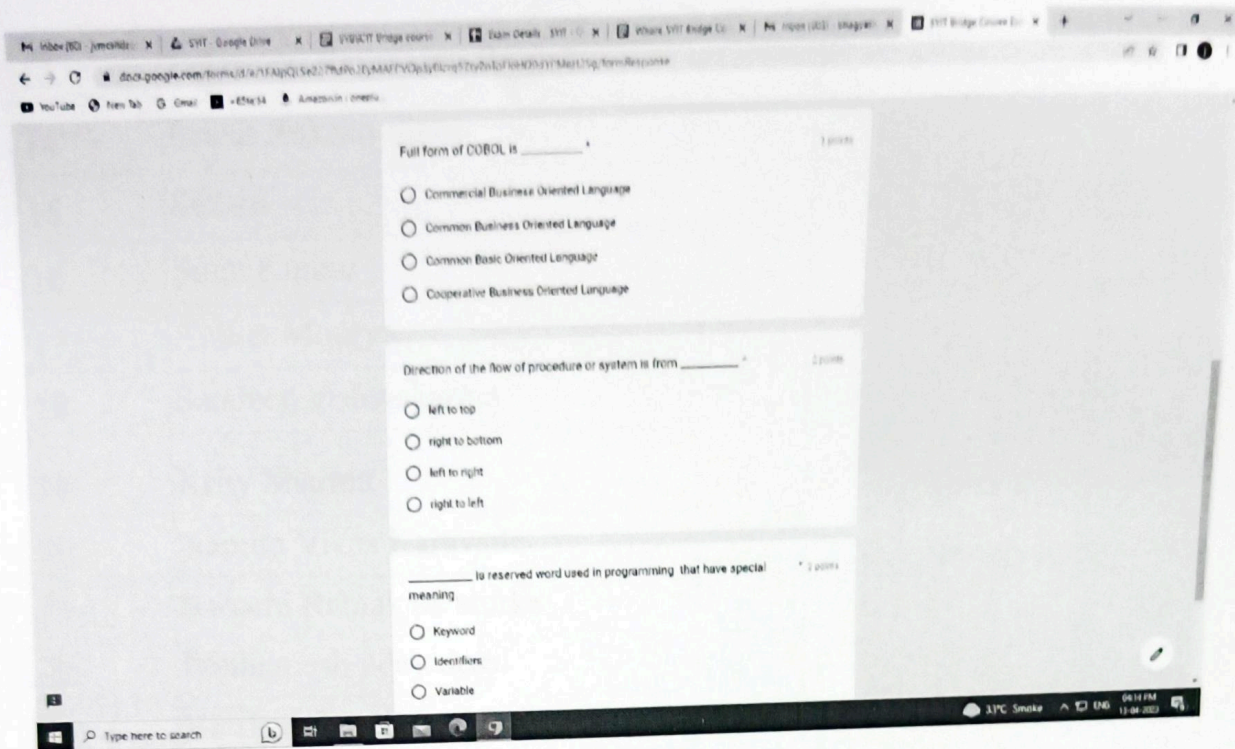
Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date	13/06/2022	14/06/2022	15/06/2022	16/06/2022	17/06/2022	18/06/2022
9-00-10-00	OOPs/Python (Mustufa)	CS (Angel)	DE (Rajshree)	OOPs/Python (Mustufa)	COD/MP (Rajshree)	IP/DS (Bhagyashree)
10-00-11-00	COD/MP (Rajshree)	IP/DS (Bhagyashree)	CS (Angel)	DE (Rajshree)	IP/DS (Bhagyashree)	OOPs/Python (Mustufa)
11-20-12-20	CS (Angel)	COD/MP (Rajshree)	COD/MP (Rajshree)	IP/DS (Bhagyashree)	DE (Rajshree)	DE (Rajshree)
12-20-1-20	DE (Rajshree)	OOPs/Python (Mustufa)	IP/DS (Bhagyashree)	CS (Angel)	OOPs/Python (Mustufa)	CS (Angel)
1-20-2-20	IP/DS (Bhagyashree)	DE (Rajshree)	OOPs/Python (Mustufa)	COD/MP (Rajshree)	CS (Angel)	COD/MP (Rajshree)

OOPs/Python: Mr.Mustufa N. DE: Mrs. Rajshree Pisal COD/MP: Mrs.Rajshree Pisal CS:Ms.Angel
IP/DS: Mrs. Bhagyashree Kulkarni

Exam Paper

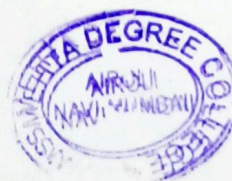






Participant List

Sr No	Name
1	Manish Subhash Shinde
2	Perna yadav
3	Aman Mahendra Maurya
4	Priya Prasad
5	Manav.V.Patil
6	Tapasvi Narayan Mohite
7	Manav.V.Patil
8	MITALI
9	Diwakar janardan sharma
10	Satyam Kumar Maurya
11	Shiva singh
12	Archana Arvind Gupta



13	Tejasvini Ramkisan Rajput
14	Rupal Rakesh Saroj
15	Sakshi
16	Sonu Kumar
17	Aniket Mourya
18	Sandeep vishwakarma
19	Krity Sharma
20	Namita Vikas Karavade
21	Suruchi Ramakant shirke
22	Prathamesh uday desai
23	Vaishnavi mohan charate
24	Yadav Ankit Omprakash
25	Sanskruiti bhosale
26	Shraddha Santosh Yadav
27	Yash Singh
28	Kishan Nishad
29	Sakshi Anand Tambe
30	Seema Gangaram Shende
31	Harshad Hiranman Sonawale
32	Prajwal pawar
33	Ronit Rawal
34	Sanika
35	Riddhi Mochemadkar



Flyer

JNAN VIKAS MANDAL'S DEGREE COLLEGE
NAAC RE-CREDITED 'A' RE-CREDITED (CGPA 3.33)
PLOT NO.9, SECTOR-19, AIROLI, NAVI MUMBAI

DEPARTMENT OF INFORMATION TECHNOLOGY ORGANIZES BRIDGE COURSE FOR SYIT

Mr. Mustafiz Nallwada
Mrs. Rajshree Pisal
Mrs. Bhagyashree Kulkarni
Ms. Jael Angel Johnson

Mrs. Archana Sanap
IT-Incharge

Mrs. Jhanvi Kshirsagar
CS-IT Coordinator

Dr. (Mrs.) Leena Sarkar
Principal

Date-13th June to 18th June 2022
Duration-30 Hours

Certificate

Jnan Vikas Mandal's Degree College
NAAC Re-Accredited 'A' Grade (CGPA- 3.33)
Plot No. 9, Sector-19, Airoli, Navi Mumbai, Maharashtra - 400 708

Certificate

This certificate is awarded to

<<NAME>>

of **<<CLASS>>** who has successfully completed Bridge Course organized by Department of Computer Science and Information Technology of JVM's Degree College.

Asst. Prof. Archana Sanap
IT In-Charge

Asst. Prof. Janhavi Kshirsagar
CS-IT Coordinator

Dr. (Mrs.) Leena Sarkar
Principal



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REPORT

The bridge course was conducted for the students of information technology of second year. The course commenced from 13th June 2022. The course ended on 18th June 2022. Total five subjects were included in the bridge course with the aim of making the concepts more familiar. The total duration of course was 40 hours. Following faculties conducted the lectures.

Sr No.	Teacher Name	Subject Name
1	Mr.Mustafa Nullwala	OOPs/Python
2	Mrs.Rajshree Pisal	COD/Microprocessor
3	Mrs.Rajshree Pisal	Digital Electronics
4	Mrs.Bhagyashree Kulkarni	Imperative Programming /Data structure
5	Ms. Jael Angel Johnson	Communication Skill

Assignments were given to students by respective teachers. Course exam was conducted on 18th June 2022 from 1 p.m. to 2 p.m. 5 questions from each subject were included in the online exam. Total 50 marks exam was conducted by Mrs. Rajshree Pisal.

Results of the bridge course were released via email to the students who attempted the exam and submitted the assignments. 35 students benefited.

Archana

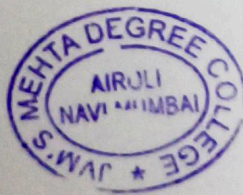
Asst. Prof. Archana Sanap

Incharge- IT DEPT

B.R.D.

Dr. B. R. Deshpande

Vice Principal



JK

Asst. Prof. Janhavi Kshirsagar

Coordinator CS-IT DEPT

Neena

Dr.(Mrs)Leena Sarkar

Principal
PRINCIPAL

JNAN VIKAS MANDAL'S
M.R. MEHTA COLLEGE OF COMMERCE
D.M. COLLEGE OF SCIENCE
A.R. MEHTA COLLEGE OF ARTS
Dr. R.T. DOSHI COLLEGE OF COMPUTER SCIENCE
Plot No.8, SEC. - 19, AIROLI,
NAVI MUMBAI-400 705



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Date: 11/06/2022

NOTICE

All departmental members are hereby informed that the department meeting is arranged for conduction of bridge course on June 12, 2021 at 10:30 a.m. in ITlab.

Agenda

1. Conduction of Bridge Course for SYIT students
2. Subject Distribution
3. Work Distribution

Asst. Prof. Archana Sanap

Incharge- IT DEPT

Dr. B. R. Deshpande

Vice Principal

Asst. Prof. Janhavi Kshirsagar

Coordinator CS-IT DEPT

Dr.(Mrs)Leena Sarkar

Principal



PRINCIPAL

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