JNAN VIKAS MANDAL'S

Mohanlal 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

Date:22/12/2022

NOTICE

All departmental members are hereby informed that the department meeting is arranged on December 23, 2022, at 10:30 a.m. in the Information Technology Lab.

Agenda

1. Conduction of Bridge course for FYIT students
2. Subject Distribution
3. Work Distribution

Asst. Prof. Archana Sanap
Incharge- IT DEPT

Asst. Prof. Janhavi Kshirsagar
Coordinator CS-IT DEPT

Dr. B. R. Deshpande
Vice-Principal

Dr.(Mrs)Leena Sarkar
Principal

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Minutes of Meeting

The departmental meeting was held on December 23, 2022, at 10:30 a.m. in the Information Technology Lab.

Following matters were discussed and finalized as per the agenda.

❖ Conduction of Bridge course for FYTT students

It was decided that the Bridge Course should be conducted from 2nd January, 2023 to 7th January, 2023. 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 Introduction to microprocessor subject will be taken by Dr. Sunitha Joshi and Mr. Mustifa Nullwala, Green Technology and Introduction to C++ Programming subjects will be taken by Mrs.Rajshree Pisal, Introduction to HTML subject will be taken by Mrs. Bhagyashree Kulkarni and Foundation of Numerical methods subject will be taken by Mr. Pintoo Jaiswar. All the teachers were asked to design the syllabus for 8 hours each by 1st January 2023.

❖ Work Distribution

Subjects are distributed among following teachers

Sr. No.	Teacher Name	Subject Name
1	Dr. Sunitha Joshi and Mr. Mustufa Nullwala	Introduction to microprocessor
2	Mrs.Rajshree Pisal	Green Technology
3	Mrs.Rajshree Pisal	Introduction to C++ Programming

4	Mrs.Bhagyashree Kulkarni	Introduction to HTML
5	Mr. Pintoo Jaiswar	Foundation of Numerical Methods

Adjournment

Meeting was adjourned at 10:30 a.m.

Following members were present:

Signature

1. Dr.(Mrs.) Leena Sarkar (Principal)
2. Dr. B. R. Deshpande (Vice Principal)
3. Mrs. Janhavi Kshirsagar (CS-IT Coordinator)
4. Mrs. Archana Sanap (IT- Incharge)
5. Dr. Sunitha Joshi (MSc-IT Incharge)
6. Mrs. Bhagyashree Kulkarni
7. Mrs. Rajshree Pisal
8. Mr. Mustufa Nullwala
9. Mr. Pintoo Jaiswal

SYLLABUS OF BRIDGE COURSE OF FYBSC.I.T

Duration: - 40 hours

Objectives-

Bridge course helps the students to open up, think creatively and become responsible and independent students. The objective of the bridge course is to demystify what is expected of students in Pre University-level classes and to provide adequate foundation in the core IT subjects, limited to moderate level so that students do not face any difficulty when the classes commence. Bridge Course will help the students to have a smooth transition to the regular course.

Outcome-

On successful completion of this course, students will be able to:

1. recognize key terms and ideas in academic contexts within in the student's field of interest
2. skim and scan reading with increasingly accurate understanding for prediction
3. deliver a presentation on academic topics

Module	Contents	Number of hours
I	**Sub:Introduction to HTML** Introduction, Web browsers. HTML History. HTML Editors- Learn HTML Using Notepad or TextEdit. HTML Basic Examples. HTML Elements. HTML Attributes. HTML Styles. HTML Formattings. Assignment	8 hours

	Test	
II	**Sub: Introduction to C++ Programming** Introduction features & key-points Applications of C++ Some interesting facts about C++ C++ Programming Basic Advantages and Disadvantages of Procedure Oriented Languages, what is Object Oriented? What is Object Oriented Development? Object Oriented Themes Benefits and Application of OOPS. --- Assignment --- Test	8 hours
III	**Sub: Green Technology** Introduction What is Green Tech? Understanding Green Tech History of Green Tech Types of Green Tech Adoption of Green Tech examples of green technology Renewable Energy vs. Nonrenewable Energy The Power of Positive Green Thinking	8 hours

	Assignment. Test.	
IV	**Sub: Introduction to microprocessor** History of Computers, Evolution of Computers, Brief history of Internet, Basics of Microprocessor, Components of MPU, Memory components ,Control Unit, RISC, CISC Assignment Test	8 hours
V	**Sub: Foundation of Numerical Methods** Basics of Number Forward Difference Table Backward Difference Table Difference Table Probability introduction Expected value using probability mass function Assignment Test	8 hours

Timetable

Class :F.Y.B.Sc. (I.T.) Bridge Course Time Table (Term – 2) Academic year: 2022-2023

Time	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Date	02/01/2023	03/01/2023	04/01/2023	05/01/2023	06/01/2023	07/01/2023

8.45 am 9.30 am	Maths	GT	HTML	Maths	C++	MA
9.30 am 10.15 am	C ++	MA	C++	HTML	MA	Maths
10.15am 11.00 am	GT	HTML	Maths	C++	Maths	H TML
11.15am 12.00 pm	HTML	C ++	MA	GT	GT	C ++
12.00 pm 12.45 pm	MA	Maths	GT	MA	HTML	GT
12.45 pm 01.00 pm	Maths	MA	HTML	MA	C++	MA
01.00 pm 01.45	MA	GT	MA	Maths		

pm						

Dr. Sunitha Joshi and Mr. Mustufa Nullwala- Introduction to microprocessor,

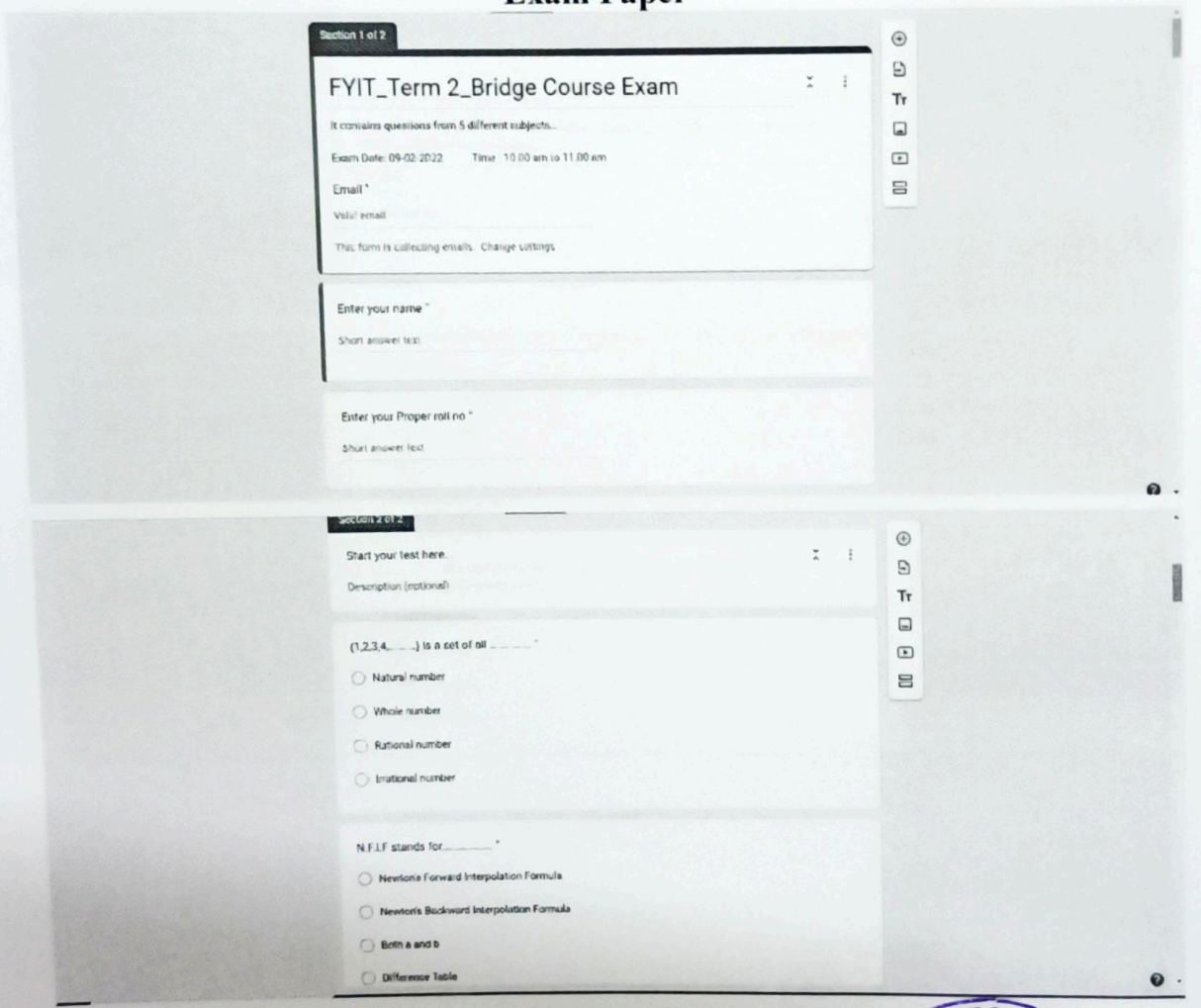
Mrs. Archana Sanap- Green Technology

Mrs.Rajshree Pisal- Introduction to C++ Programming,

Mrs.Bhagyashree Kulkarni- Introduction to HTML

Mr. Pintoo Jaiswar- Foundation of Numerical Methods

Exam Paper



N.B.I.P. stands for ____ *

- Newton's Forward Interpolation Formula
- Newton's Backward Interpolation Formula
- Both a and b
- Difference Table

Forward difference table uses_____ operator. *

- Delta
- Del
- Both a and b
- None

P is p.m.f(probability mass function) if summation of all probabilities is equals to_____ *

- 1
- 2
- 3
- 4

_____ is one of the most successful green technologies and is now cheaper to deploy than fossil fuels in many countries. *

- Wind
- Solar power
- Bioplastic
- Water

IEA stands for _____ *

- International Economy Agent
- Indian Energy Agency
- Indian Economy Agent
- International Energy Agency

_____ also called green technology, is the environmentally responsible use of computers and related resources. *

- White computing
- Blue computing
- Green computing
- Yellow computing

If you just throw away _____ with the regular trash, it usually ends up in a landfill. *

- technostress
- dust
- water
- garbage

_____ measures Power Consumption of Devices. *

- Transistor
- Registor
- Ameter
- Multi-meter

What does the abbreviation HTML stand for? *

- HyperText Markup Language
- HighText Markup Language
- HyperText Markdown Language
- None

What is the smallest header in HTML by default? *

- h1
- h2
- h6
- h4

What is the effect of the <b> tag? *

- It converts the text within it to bold font.
- It is used to write black-colored font.
- It is used to change the font size.
- None of the above.

How to display preformatted text in HTML? *

- <p>
- <pre>
-
- All of the above.

50

What are the attributes used to change the size of an image? *

- Width and height
- Big and Small
- Top and bottom
- None of the above

The two keywords_____ are used very often for taking inputs and printing outputs respectively. *

- cout and cin
- cin and cout
- printf and scanf
- scanf and printf

_____ are statements that are not executed by the compiler and interpreter. *

- constants
- variables
- keywords
- comments

There are mainly two types of variable scopes, Local and _____ Variables. *

- Final
- Global
- State
- National

_____ is an illegal operation performed by the user which results in abnormal working of the program. *

- Error
- Output
- Result
- Program

The basic principal of _____ is to divide a program in functions and modules. *

- monolithic programming approach
- object oriented programming approach
- structured programming approach
- procedural programming approach

M 9

CISC Stand for _____ *

- Correct Instruction Set Computer
- Correct Instruct Said Computer
- Common Instruction Set Computer
- Complex Instruction Set Computer

_____stores the address of the next instruction based on the value of the PC *

- PC
- IP
- CP
- PI

Convert this to hexadecimal 625.625 base 10 *

- 201.A 16
- 210.B 16
- 271.A 16
- 201.B 16

ARPANET stands for_____ *

- Advanced Research Projects Agency Network
- Advanced Research Programmed Auto Network
- Advanced Research Project Automatic Network
- Advanced Research Project Authorized Network

ARPANET stands for_____ *

- Advanced Research Projects Agency Network
- Advanced Research Programmed Auto Network
- Advanced Research Project Automatic Network
- Advanced Research Project Authorized Network

The basic architecture of computer was developed by_____ *

- John Von Neumann
- Charles Babbage
- Blaise Pascal
- Gorden Moore

Participant list

Sr. No	Name of the Student	Roll No
1	Aman gupta	6017
2	SUNNY VIRENDRAPRASAD BIND	6003
3	Prajwal	7071
4	Saish kulkarni	6035
5	Chaitanya jadhav	6022
6	Rayyan sabit rumaney	7063
7	Prince Abraham Nadar	6046
8	Raju pal	6053
9	Rahul Medtiya	6041
10	Kavita Ramlakshan Maurya	7043
11	Samir Sunil Dhanawade	6009
12	ANAND MOHAN SHENOY	6065
13	Pratik Lahane	6037
14	Nishant Vijay Ghadge	6015
15	Prachi	6044
16	Dhiraj Narvankar	6049

17	Sajankumar Narayan Mahto	6039
18	Videshika Gautam Nikalje	6050
19	Kalpita kishor gaonkar	6013
20	Arya subhash dhuri	6011
21	Yash prajapati	7060
22	Gandharva Vitthal Naik	6047
23	Yash chandrashekhar Hande	6021
24	Sheetal Tiwari	6066
25	Shubham mulchand gupta	6020
26	SOHAM SUNIL SALUNKE	6064
27	Sai Sunil Biramane	6004
28	Shraddha Ramji yadav	6072
29	Sakshi Jetinga Vanjare	68
30	disha shyam dhanawade	6008
31	Sumi Dhara	6010
32	Nirmal Sunila Bhikhu	6051

33	Anushka Pathak	57
34	Prachi Premlal Chaudhary	6006
35	Anuj sheshnath pal	52
36	Siddhi Vinod Kadam	6031
37	Towhid Khan	6034
38	Ritesh	6032
39	Abhijeet Ganesh Bhavanashi	6001
40	Amishay Amiel Gadkar	6012
41	Madhavi Prashant Joshi	6029
42	Neha	6038
43	Ashlesha Prakash Gaude	6014
44	Ayush	6027
45	Rishi R Jha	6028
46	Prakash kevat	6033

Marksheet

Sr. No	Name of the Student	Marks
1	Aman gupta	32 / 50
2	SUNNY VIRENDRAPRAS	32 / 50

	AD BIND	
3	Prajwal	40 / 50
4	Saish kulkarni	38 / 50
5	Chaitanya jadhav	40 / 50
6	Rayyan sabit rumaney	40 / 50
7	Prince Abraham Nadar	34 / 50
8	Raju pal	34 / 50
9	Rahul Medtiya	42 / 50
10	Kavita Ramlakshan Maurya	36 / 50
11	Samir Sunil Dhanawade	40 / 50
12	ANAND MOHAN SHENOY	44 / 50
13	Pratik Lahane	40 / 50
14	Nishant Vijay Ghadge	38 / 50
15	Prachi	34 / 50
16	Dhiraj Narvankar	36 / 50
17	Sajankumar Narayan Mahto	38 / 50
18	Videshika Gautam Nikalje	42 / 50
19	Kalpita kishor gaonkar	34 / 50
20	Arya subhash	34 / 50

	dhuri	
21	Yash prajapati	32 / 50
22	Gandharva Vitthal Naik	34 / 50
23	Yash chandrashekhar Hande	40 / 50
24	Sheetal Tiwari	38 / 50
25	Shubham mulchand gupta	34 / 50
26	SOHAM SUNIL SALUNKE	38 / 50
27	Sai Sunil Biramane	34 / 50
28	Shraddha Ramji yadav	32 / 50
29	Sakshi Jetinga Vanjare	40 / 50
30	disha shyam dhanawade	42 / 50
31	Sumi Dhara	46 / 50
32	Nirmal Sunila Bhikhu	38 / 50
33	Anushka Pathak	44 / 50
34	Prachi Premlal Chaudhary	40 / 50
35	Anuj sheshnath pal	38 / 50
36	Siddhi Vinod Kadam	38 / 50
37	Towhid Khan	46 / 50

38	Ritesh	34 / 50
39	Abhijeet Ganesh Bhavanashi	46 / 50
40	Amishay Amiel Gadkar	38 / 50
41	Madhavi Prashant Joshi	34 / 50
42	Neha	28 / 50
43	Ashlesha Prakash Gaude	44 / 50
44	Ayush	38 / 50
45	Rishi R Jha	34 / 50
46	Prakash kevat	38 / 50

Certificate

JNAN VIKAS MANDAL'S DEGREE COLLEGE
NAAC RE-ACCREDITED GRADE 'A' (CGPA 3.33)
Plot No. 9, Sector-19, Airoli, Navi Mumbai, Maharashtra - 400708

CERTIFICATE
OF PARTICIPATION
This is to certify that,

<<NAME>>

of F.Y.Bsc(I.T)has successfully completed Bridge course organized by Department of Information Technology of JVM'S Degree College from 28th January, 2022 to 9th February,2022.

Asst. Prof. Archana Sanap
IT Incharge

Asst. Prof. Janhavi kshirsagar
CS-IT Incharge

Dr. (Mrs.) Leena Sarkar
Principal

M.S. MEHTA DEGREE COLLEGE AIROLI NAVI MUMBAI

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Report

The bridge course was conducted for first year students of information technology.

The course commenced from 2nd January, 2023 to 7th January, 2023. 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	Dr. Sunitha Joshi and Mr. Mustufa Nullwala	Introduction to microprocessor
2	Mrs. Archana Sanap	Green Technology
3	Mrs.Rajshree Pisal	Introduction to C++ Programming
4	Mrs.Bhagyashree Kulkarni	Introduction to HTML
5	Mr. Pintoo Jaiswar	Foundation of Numerical Methods

Assignments were given to students by respective teachers. Course exam was conducted on 9th January, 2023 from 10am to 11am. 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. Also students who have passed the bridge course exam are given the certificate. 46 students from FYBSc(IT) had submitted papers.

Asst. Prof. Archana Sanap
Incharge- IT DEPT

Asst. Prof. Janhavi Kshirsagar
Coordinator CS-IT DEPT

Dr. B. R. Deshpande
Vice-Principal

JVM'S MEHTA DEGREE COLLEGE AIROLI NAVI MUMBAI

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Principal