



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

NOTICE

Date: 18/07/2023

All departmental members are hereby informed that the department meeting is arranged on July 19, 2023, at 11.30am in IT 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 July 19, 2023, at 11:30 a.m. in IT 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 21st July, 2023 to 31st July, 2023. A total of 4 subjects are included in the Bridge Course. And it was decided that it should be 30 hours.

❖ **Subject Distribution**

It was decided that DBMS subject will be taken by Mrs. Archana Sanap, Discrete Mathematics subject will be taken by Mrs. Sharayu Kadam, digital Electronics subject will be taken by Rajshree Pisal, Introduction to Programming subject will be taken by Mrs. Bhagyashree Kulkarni and. All the teachers were asked to design the syllabus for 8 hours each share by 20th July, 2023.

❖ **Work Distribution**

Subjects are distributed among following teachers

- 1 Mrs. Archana Sanap -DBMS
- 2 Mrs.Sharayu Kadam -Discrete Mathematics
- 3 Mrs.Rajshree Pisal -Digital Electronics
- 4 Mrs.Bhagyashree Kulkarni -Introduction to Programming

Adjournment

Meeting was adjourned at 12:30 p.m.

Following members were present:

Dr.(Mrs.) Leena Sarkar (Principal)

Dr. B.R.Deshpande (Vice Principal)

Asst. Prof. Janhavi Kshirsagar

Asst. Prof. Archana Sanap

Asst. Prof Sharayu Kadam.

Asst. Prof Rajshree Pisal.

Asst. Prof. Bhagyashree Kulkarni

Signature

Leena

JR
Shubra
Arka
Aruneeta
AK





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SYLLABUS OF BRIDGE COURSE OF FYBSC.I.T

Duration: - 30 hours

Objectives-

1. To understand the structure and operation of modern processors and their instruction sets.
2. To introduce various concepts of programming to the students
3. To introduce the concept of the DBMS with respect to the relational model
4. To familiarize the prospective learners with mathematical structures that are fundamentally discrete
5. To familiarize students with basics of Statistics

Outcome-

Students will be able to

1. Understand the basics of digital electronics needed for computers.
2. Understand the concepts of programming before actually starting to write programs.
3. Understand the concepts of Permutation, Combination and Probability
4. Enable learners to know descriptive statistical concepts

Module	Contents	Number of hours
I	<p>Database Management Systems</p> <p>Introduction to DBMS</p> <p>Characteristics</p> <p>Type of Constraint</p> <p>Normalization</p> <p>Types of Keys</p> <hr/> <p>Assignment</p> <hr/> <p>Video Lecture</p> <hr/> <p>Test</p>	8 hours
II	<p>Digital Electronics</p> <p>Introduction to Digital Electronics System:</p> <p>Signal</p> <p>Types of Signal- Analog Signal</p> <p style="padding-left: 40px;">Digital Signal</p> <p>Number System:</p> <p>Binary</p> <p>Octal</p> <p>Decimal</p> <p>Hexadecimal</p> <p>Conversion of Number System:</p> <p>Decimal to Other Radix</p> <p>Radix to Decimal</p> <p>Binary to Octal</p> <p>Binary to Hexadecimal</p>	7 hours



	<hr/> Assignment <hr/> Video Lecture <hr/> Test	
III	Introduction of Programming: <ul style="list-style-type: none"> ● Introduction to program and programming language. ● Types of Programming languages. <ul style="list-style-type: none"> i. Procedural ii. Object oriented iii. Scripting ● History of programming language, features and application. ● Algorithm and Flowchart- Definition, symbols, desirable programs on algorithm and flowcharts. <hr/> Assignment. <hr/> Video Lecture <hr/> Test.	7 hours
IV	Discrete Mathematics Factorial : What is Factorial? How to calculate Factorial, examples based on factorial method. Permutation: Definition of Permutation, general formula of permutation, Examples of permutation. Combination : Definition of combination? general formula of combination, examples of combination. <hr/> Assignment. <hr/> Video Lecture <hr/> Test.	8 hours

Timetable

FYIT Bridge Course Time table 2022-23

Date	21/07/2023	22/07/2023	24/07/2023	25/07/2023	26/07/2023	27/07/2023	31/07/2023
Time	Fri	Sat	Mon	Tue	Wed	Thu	Mon
8.00-9.00	DBMS(AS)	DE(RP)	IP(BK)	DMS (SMK)	DBMS (AS)	DE(RP)	DBMS (AS)
9.10-10.10	DE(RP)	IP(BK)	DMS (SMK)	DBMS (AS)	DE(RP)	IP(BK)	DMS(SMK)
10.20-11.20	IP(BK)	DMS (SMK)	DBMS(AS)	DE(RP)	IP(BK)	DMS (SMK)	DBMS(AS)



Exam Paper

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FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

Section 1 of 6

FYIT Bridge course examination 2023-24

Date-31-07-2023 Time: 2.00 pm to 3.00 pm

Email *

Valid email

This form is collecting emails. Change settings

Name *

Short answer text

Class *

Short answer text

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docs.google.com/forms/d/1E5DXV510jehCeSUy4Zhb3SeYRZbLfeHVYmq3YLUw/edit

FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

Database Management Systems

Description (optional)

1. What is the full form of DBMS? *

a) Data of Binary Management System

b) Database Management System

c) Database Management Service

d) Data Backup Management System

2. What is a database? *

a) Organized collection of information that cannot be accessed, updated, and managed

b) Collection of data or information without organizing



3. What is DBMS? *
- a) DBMS is a collection of queries
 - b) DBMS is a high-level language
 - c) DBMS is a programming language
 - d) DBMS stores, modifies and retrieves data



4. Which type of data can be stored in the database? *
- a) Image oriented data
 - b) Text, files containing data
 - c) Data in the form of audio or video
 - d) All of the above

5. Who created the first DBMS? *
- a) Edgar Frank Codd
 - b) Charles Bachman
 - c) Charles Babbage
 - d) Sharon B. Codd



After section 2 Continue to next section

Section 3 of 6

Digital Electronics
Description (optional)



Convert 127 decimal number into binary *

- 1010101
- 1100110
- 1111111
- 1000001



The binary equivalent of decimal number 21.125 is *

- 10101 001
- 1111.110
- 101010.100
- 11100.010



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FYIT Bridge course examination 2023-24

Questions Responses 64 Settings Total points: 40

The decimal equivalent of the binary number 1101 is *

- 9
- 11
- 12
- 13

The octal equivalent of decimal number 100 is *

- 441
- 141
- 140
- 144

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URL: docs.google.com/forms/d/1E5DXVi51oJehCeSUy4Zhb3SeYR2bLfrHVYmq9YLWw/edit

FYIT Bridge course examination 2023-24

Questions Responses 64 Settings Total points: 40

The hexadecimal equivalent of decimal number 49 is *

- 30
- 31
- 13
- 33

After section 3 Continue to next section

Section 4 of 6

Introduction of Programming

Description (optional)



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FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

Full form of CPU is *

- Center Procedure Unit
- Centrifugal Processing Unit
- Central Processing Unit
- Central Procedure Unit

_____ is collection of instructions given to computer to perform a task *

- Algorithm
- Flowchart
- Both
- None

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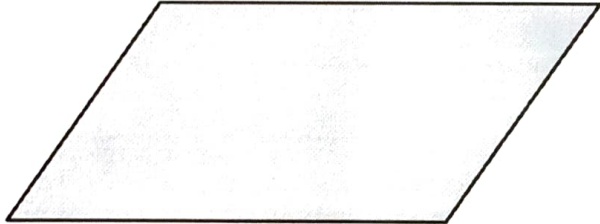
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FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

In flowchart following symbol represent *



- Input/Output
- Decision
- Flow line
- Process



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FYIT Bridge course examination 2023-24

Questions Responses **64** Settings Total points: 40

_____ means diagrammatic representation of algorithm *

- Flowline
- Flowgraph
- Flowchart
- All the above

Operating system is _____ type of software *

- Application
- System
- Both
- None

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FYIT Bridge course examination 2023-24

Questions Responses **64** Settings Total points: 40

Section 3/4/0

Discrete Mathematics

Description (optional)

A _____ is an ordered collection of objects. *

- Relation
- Function
- Set
- Proposition

The set O of odd positive integers less than 10 can be expressed by _____. *

- $\{1, 2, 3\}$
- $\{1, 3, 5, 7, 9\}$



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FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

Power set of empty set has exactly _____ subset.

One

Two

Zero

Three

The Cartesian Product $B \times A$ is equal to the Cartesian product $A \times B$.

TRUE

FALSE

The set of positive integers is _____.

Infinite

Type here to search

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docs.google.com/forms/d/1E5DXV151oJehCeSUY4Zhb35eYRZbLfeHVYmq9YUJw/edit

FYIT Bridge course examination 2023-24 ☆

Questions Responses 64 Settings Total points 40

The Cartesian Product $B \times A$ is equal to the Cartesian product $A \times B$.

TRUE

FALSE

The set of positive integers is _____.

Infinite

Finite

Subset

Empty

After section 5 Continue to next section

Participant List

Sr. No.	Name	Class
1	Menari	Fy
2	Tanishq Gantelu	Bsc it
3	Harshal Jagtap	FY BSC -IT



4	Abhijeet	Fy Bsc.It
5	Soyam kadam	<u>FYBsc.it</u>
6	SOMIL .S. SHINDE	FY B.sc.IT
7	Rajkumar Vishwakarma	FYIT
8	Vinay Wagh	FY. BSc.IT
9	Ayush Chandrakant Bhoir	FY-BSC IT
10	Aryapratap Nayak	<u>FY.IT</u>
11	Sanjit bhagat	FY BSc IT
12	Rohit Rajbali Jaiswal	FYBScIT
13	Nikhil Singh	FYBSCIT
14	Yadav vikash Rakesh	FYBSC IT
15	Ayush Chandrakant Bhoir	FY-BSC IT
16	Sarvesh kishor Gangurde	FYBSC IT
17	Rushika Swami Dhamale	F. Y. Bsc IT
18	Sandesh Shankar shinde	FYIT
19	Saeer Prakash Kadam	FYBSC-IT
20	Disha Devasi	FYBSCIT
21	Vijay vishwakarma	FYIT
22	Atul kumar upadhyay	B.sc iT
23	Jairaj maru	Fy it
24	JADHAV OMKAR BABAN	FY. Bsc IT
25	Prachi Tayade	<u>FY.BSC.IT</u>
26	Bhargavi Eknath Ambre	FYBSCIT
27	Shreya Sunil Chavan	FYBSCIT
28	Arjun Yadav	<u>FY.IT</u>
29	Atul kumar upadhyay	B.sc iT
30	Arunesh dubey	Fybscit
31	Utsav jaiswar	<u>FYBSC.IT</u>
32	Payal Borude	fybscit
33	Soham	FYBSC-IT
34	Kabya varma	FY



35	Rushika Swami Dhamale	F.Y.BscIT
36	Rajeshwari Chauhan	F.Y.B.S.C .I.T
37	Shubham Sawant	FY BSC IT
38	Rohan Rajesh thombare	FYBSC IT
39	Dinesh choudhary	FYIT
40	Aditya Yadav	Fy IT
41	Aashutosh Tiwari	FY B.Sc(IT)
42	Abhay Santosh Singh	Fybscit
43	Rajdatt sawant	FY BSC IT
44	Arpit Mishra	I.T
45	Utsav jaiswar	<u>FYBSC.IT</u>
46	Makrand	FY BSC IT
47	Aaditya Maruti Patil	FY- BSCIT
48	Sneha mourya	FY IT
49	Aaditi Sawant	<u>Bsc.it</u>
50	Anvi kashinath sawant	FY-IT
51	Tanvi Prakash Gujar	FY BSC IT
52	GAYATRI VIJAY SHEDGE	Fy Bsc IT
53	Siddhesh Sandip Vichale	FY Bsc IT
54	Supriya Chandrabhan Pal	FY IT
55	Vaishnavi Rajesh Katalkar	FYBSCIT
56	Sanika Pushpraj bodake	FY B.sc.IT
57	Shivani ramnarayan yadav	F.y BSC IT
58	Priti Arun Gawade	F.Y.Bsc-IT
59	Sakshi Sawant	FY BSC IT
60	Sahili Rajesh more	FY BSC IT
61	Jyoti shyam bahadur mourya	FY bsc it
62	Radhika KrishnaKumar Gupta	Fybsc IT
63	Mansi pandey	Bsc it



64

Mayank Harad

Fybsc IT

Marksheet

Sr. No.	Marks	Name
1	12 / 40	Menari
2	34 / 40	Tanishq Gantelu
3	38 / 40	Harshal Jagtap
4	40 / 40	Abhijeet
5	36 / 40	Soyam kadam
6	32 / 40	SOMIL .S. SHINDE
7	38 / 40	Rajkumar Vishwakarma
8	38 / 40	Vinay Wagh
9	40 / 40	Ayush Chandrakant Bhoir
10	38 / 40	Aryapratap Nayak
11	38 / 40	Sanjit bhagat
12	36 / 40	Rohit Rajbali Jaiswal
13	34 / 40	Nikhil Singh
14	36 / 40	Yadav vikash Rakesh
15	40 / 40	Ayush Chandrakant Bhoir
16	36 / 40	Sarvesh kishor Gangurde
17	40 / 40	Rushika Swami Dhamale
18	38 / 40	Sandesh Shankar shinde
19	38 / 40	Saeer Prakash Kadam
20	40 / 40	Disha Devasi
21	32 / 40	Vijay vishwakarma
22	36 / 40	Atul kumar upadhyay
23	32 / 40	Jairaj maru
24	34 / 40	JADHAV OMKAR BABAN
25	36 / 40	Prachi Tayade
26	36 / 40	Bhargavi Eknath Ambre
27	38 / 40	Shreya Sunil Chavan




28	34 / 40	Arjun Yadav
29	36 / 40	Atul kumar upadhyay
30	36 / 40	Arunesh dubey
31	36 / 40	Utsav jaiswar
32	34 / 40	Payal Borude
33	40 / 40	Soham
34	32 / 40	Kabya varma
35	38 / 40	Rushika Swami Dhamale
36	30 / 40	Rajeshwari Chauhan
37	36 / 40	Shubham Sawant
38	36 / 40	Rohan Rajesh thombare
39	36 / 40	Dinesh choudhary
40	38 / 40	Aditya Yadav
41	36 / 40	Aashutosh Tiwari
42	30 / 40	Abhay Santosh Singh
43	32 / 40	Rajdatt sawant
44	38 / 40	Arpit Mishra
45	38 / 40	Utsav jaiswar
46	36 / 40	Makrand
47	38 / 40	Aaditya Maruti Patil
48	38 / 40	Sneha mourya
49	36 / 40	Aaditi Sawant
50	32 / 40	Anvi kashinath sawant
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57	32 / 40	Shivani ramnarayan yadav



58	34 / 40	Priti Arun Gawade
59	32 / 40	Sakshi Sawant
60	30 / 40	Sahili Rajesh more
61	34 / 40	Jyoti shyam bahadur mourya
62	38 / 40	Radhika KrishnaKumar Gupta
63	14 / 40	Mansi pandey
64	22/40	Mayank Harad

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 >>



who has successfully completed Bridge Course organized by
Department of Information Technology of JVM'S Degree College.


Asst. Prof. Archana Sanap
IT Incharge


Asst. Prof. Janhavi Kahlrsagar
CS-IT Coordinator


Dr. (Mrs.) Leena Sarkar
Principal

Feedback Form

Feedback form

Description (optional)

Were the objectives of the course clear to you? *

Very Clear

Moderately Clear

Not at all Clear

The lectures were clear & easy to understand *

Strongly Agree

Agree

Neutral

Disagree

Strongly Disagree



The course was organized in a manner that helped you understand the underlying concepts? *

- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

IT



How useful to you was this course? *

- Very Useful
- Moderately useful
- Not at all useful

Questions Responses 62 Settings

Total points 50

How much did you learn from this course? *

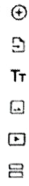
- A great deal
- A lot
- A moderate amount
- A little
- Nothing



Overall, how would you describe the quality of the instruction in this course? *

- Excellent
- Very good
- Good
- Fair
- Poor

- A moderate amount
- A little
- Nothing



Overall, how would you describe the quality of the instruction in this course? *

- Excellent
- Very good
- Good
- Fair
- Poor

What skills or knowledge did you learn or improve? *

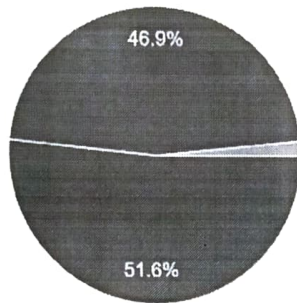
Long answer text



Feedback Analysis

Were the objectives of the course clear to you?

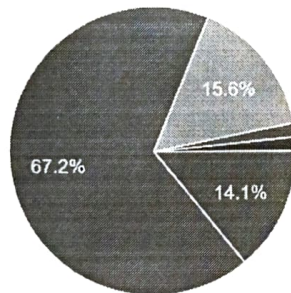
64 responses



- Very Clear
- Moderately Clear
- Not at all Clear

The lectures were clear & easy to understand.

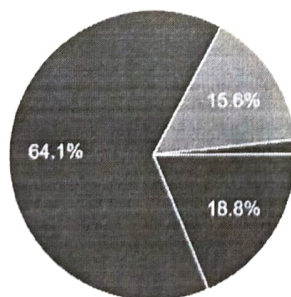
64 responses



- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

The course was organized in a manner that helped you understand the underlying concepts.

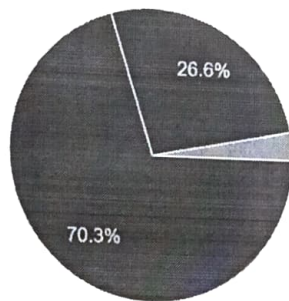
64 responses



- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

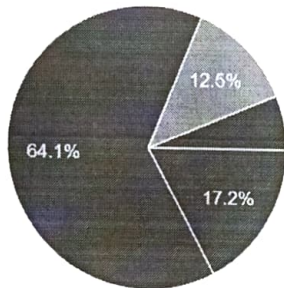


How useful to you was this course?
64 responses



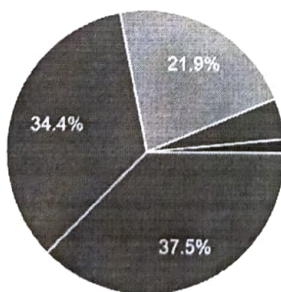
- Very Useful
- Moderately useful
- Not at all useful

How much did you learn from this course?
64 responses



- A great deal
- A lot
- A moderate amount
- A little
- Nothing

Overall, how would you describe the quality of the instruction in this course?
64 responses



- Excellent
- Very good
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- Fair
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FIRST YEAR BRIDGE COURSE REPORT 2023-24

The bridge course was conducted for first year students of information technology. The course commenced from 21st July, 2023. The course ended on 31st July, 2023. Total four subjects were included in the bridge course with the aim of making the concepts more familiar. The total duration of course was 30 hours. Following faculties conducted the lectures.

Sr. No.	Teacher Name	Subject Name
1	Mrs. Archana Sanap	DBMS
2	Mrs. Sharayu Kadam	Discrete Mathematics
3	Mrs. Rajshree Pisal	Digital Electronics
4	Mrs. Bhagyashree Kulkarni	Introduction to Programming

Assignments were given to students by respective teachers. Course exam was conducted on 31st July, 2023 from 2pm to 3pm. 5 questions from each subject were included in the online exam. Total 40 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. Total 64 students were benefited.

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

