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: 03/11/2022

NOTICE

All departmental members are hereby informed that the department meeting is arranged on November 4, 2022 at 11:30 a.m. in the IT lab.

Agenda

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

Asst. Prof. Archana Sanap   Asst. Prof. Janhavi Kshirsagar   Dr.(Mrs)Leena Sarkar

Incharge- IT DEPT   Coordinator CS-IT DEPT   Principal

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Minutes of Meeting

The departmental meeting was held on November 4, 2022 at 11:30 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 7th November 2022 to 14rd November 2022. A total of 5 subjects are included in the Bridge Course. And it was decided that it should be 30 hours.

❖ **Subject Distribution**

It was decided that Project Implementation subject will be taken by Mrs. Archana Sanap, Fundamentals of Embedded System subject will be taken by Mrs. Sharayu Kadam, Introduction to Java subject will be taken by Rajshree Pisal, Fundamentals of Graphics subject will be taken by Mrs. Bhagyashree Kulkarni and Computer Oriented Statistical Techniques subject will be taken by Mr. Pintoo Jaiswar. All the teachers were asked to design the syllabus for 8 hours each and share by 5th November 2022.

❖ **Work Distribution**

Subjects are distributed among following teachers

Sr No.	Subject name	Teacher name
1.	Mrs. Archana Sanap	Project Implementation
2.	Mrs. Sharayu Kadam	Fundamentals of Embedded System
3.	Mrs. Rajshree Pisal	Introduction to Java
4.	Mrs. Bhagyashree Kulkarni	Fundamentals of Graphics
5.	Mr. Pintoo Jaiswar	Computer Oriented Statistical Techniques

Adjournment

Meeting was adjourned at 1:00 p.m.

Following members were present: **Signature**

Dr.(Mrs.) Leena Sarkar (Principal)

Asst. Prof Mustufa Nullwala.

Asst. Prof Rajshree Pisal.

Asst. Prof Bhagyashree Kulkarni.

Asst. Prof. Ms.Jael Angel Johnson .

Syllabus Bridge Course for SYBsc(IT)

Duration: - 30 hours

OBJECTIVES: -
1)   To bridge the gap between subjects studied at pre-university level and subjects they would be studying at 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 the curriculum.

Module	Contents	Number of hours
I	Module: Fundamentals of Embedded Systems Components of Embedded Systems ● Power supply. For the embedded system the power supply is the key component to provide the power to the embedded system circuit. ... ● Processor. ... ● Memory. ... ● Timers counters. ... ● Communication ports. ... ● Output and Input. ... Circuits used in application. What are Fundamentals of Embedded Systems? The embedded systems basics include the components of embedded system hardware, embedded system types and several characteristics. An embedded system has three main components: Embedded system hardware, Embedded system software and Operating system. What is the embedded system by Tutorials point?	5 hours

	We can broadly define an embedded system as a microcontroller-based, software-driven, reliable, real-time control system, designed to perform a specific task. It can be thought of as a computer hardware system having software embedded in it.	
	Case study/Assignment and test	1 hour

II	Module: Computer Oriented Statistical Techniques
	    1. Notation
	    2. Summation Notation, Averages
	    3. Measures of Central Tendency
	    4. The Arithmetic Mean
	    5. Notation
	    6. Summation Notation, Averages
	    7. Measures of Central Tendency
	    8. The Arithmetic Mean
	    9. Notation
	    10. Summation Notation, Averages
	    11. Measures of Central Tendency
	    12. The Arithmetic Mean
	1.The Arithmetic Mean Computed from Grouped Data
	2.The Median
	3.The Mode
	4. The Empirical Relation Between the Mean, Median, and Mode Mean.
	1.Quartiles
	2. Deciles
	3. Percentiles
		5 hours

	Case study/Assignment and test	1 hour

III	Module: Fundamentals of Graphics What is CG? Its introduction, definitions. Different areas of CG. Various applications of CG. Examples of graphics devices. Input devices. Output devices.	5 hours
	Case study/Assignment and test	1 hour
IV	Module: Introduction to Java Basics of Java Introduction to Java Similarities and differences between Java and C++ Setting up the environment in Java Java Basic syntax Differences between JDK, JVM and JRE	5 hours
	Case study/Assignment and test	1 hour

V	Module: Project Implementation Introduction of Project Management Project Planning Process and Project metrics Estimation of software Project	5 hours
	Case study/Assignment and test	1 hour

Timetable

Time	Monday	Wednesday	Thursday	Friday	Saturday	Monday
Date	07/11/2022	09/11/2022	10/11/2022	11/11/2022	12/11/2022	14/11/2022
8.40 am- 9.30 am	Java	PI	Statistics	Java	PI	ES
9.50 am- 10.40 am	ES	CG	ES	CG	Java	PI
10.40 am- 11.30 am	Statistics	Java	CG	PI	ES	Statistics
11.30 am– 12.20 pm	CG	ES	PI	Statistics	Statistics	Java
12.20 pm– 1.10 pm						CG

Intoduction to Java: Mrs.Rajshree Pisal
Project Implementation: Mrs. Archana Sanap
Fundamentals of Embedded Syatem: Mrs.Sharayu Kadam
Statistics: Mr.Pintoo Jaiswar
Fundamentals of Graphics: Mrs. Bhagyashree Kulkarni

Exam Paper

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

Send

Section 1 of 3

2022 SYIT Term 2 (bridge course examination)

Date-14/11/2022 time-4 pm to 5 pm

Email *

Valid email

This form is collecting emails.   Change settings

Name *

Short answer text

Roll number *

Short answer text

Section 2 of 3

MCQ

Description (optional)

Arithmetic mean of 8,2,4,6------------------ *

◯ 3

◯ 9

◯ 5

◯ 7

Median of data 14,25,70,19,60 is ------------------- *

◯ 25

◯ 14

Median of data 14,25,70,19,60 is ------------------ *

- ◯ 25
- ◯ 14
- ◯ 19
- ◯ 60

Mean of data 10,20,30,40 is _____ *

- ◯ 25
- ◯ 26
- ◯ 27
- ◯ 30

Mode of the data 3,3,4,3,5,3,4,4,3,7 is _____ *

- ◯ 3
- ◯ 4
- ◯ 5
- ◯ 7

The median of the data: 22,43,56,54,44,23,55,75,98 *

- ◯ 22
- ◯ 54
- ◯ 55
- ◯ 44

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

JAVA was developed by James Gosling at Sun Microsystems in the year _____ *

- 1990
- 1989
- 1991
- 2000

In the Running phase of a program, JVM executes the _____ generated by the compiler. *

- Cyper text
- Plain text
- Parity
- Bytecode

In java, we don't have _____ and so we cannot access out-of-bound arrays. *

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

In java, we don't have_____, and so we cannot access out-of-bound arrays. *

- pointers
- Abstraction
- Encapsulation
- Single Inheritance

WORA stands for _____ *

- Read Once Write Anywhere
- Write Once Run Anywhere
- Write Anywhere Run Once
- Read Anywhere Write Once

_____ are not allowed to use as variable names or objects. *

○ White-spaces

○ Access modifiers

○ Keywords

○ Comments

Which of the following is an important factor that can affect the accuracy and efficacy of estimates? *

○ Project size

○ Planning process

○ Project complexity

○ Degree of structural uncertainty

What describes the data and control to be processed? *

○ Planning process

○ Software scope

○ External hardware

○ Project complexity

Model selection is based on _____. *

○ Requirements

○ Development team & users

○ Project type & associated risk

○ All of the above

docs.google.com/forms/d/1s1URIdxrvRF5riJuh1CMZ8W1gstGK8CYGQappDBh3bQ/edit

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

Risk management is one of the most important jobs for a *

○ Client

○ Investor

○ Production team

○ Project manager

What is related to the overall functionality of the delivered software? *

○ Function-related metrics

○ Product-related metrics

○ Size-related metrics

○ None of the mentioned

The term of Graphics comes from Greek _____ *

tybcom sem-v com....xls   Show all

Type here to search   33°C Smoke   ENG   13:26 02-05-2023

The term of Graphics comes from Greek _____ *

○ graph

○ graphikos

○ graphical

○ All the above

Four main areas of computer graphics are _____ ,Design, User interfaces and Simulation *

○ Display of data

○ Display of information

○ Both

○ None

tybcom sem-v com....xls   Show all

Type here to search   33°C Smoke   ENG   13:26 02-05-2023

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

CAD stands for _____ *

○ Computer Aided Design

○ Computer Aided Data

○ Cascading Aided Data

○ Cascading Aided Design

_____ most commonly refers to art created on a computer in digital form. *

○ Computer graphics

○ Simulation

○ Digital Art

○ Virtual Reality

Choose incorrect video input device *

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

Choose incorrect video input device *

○ Digital camera

○ Portable media player

○ Webcam

○ Pointing device

Embedded systems requires ____ power supply *

○ 1V

○ 5V

○ 8V

○ 10V

For any embedded system the _____ acts as the brain of the system *

○ Power supply

○ Memory

○ Processor

○ None of the above

The _____ languages include machine code, object code, and assembly language. *

○ Low level

○ High level

○ Middle level

○ All are mentioned

A _____ is essentially a CPU, central processor unit, or processor with integrated memory or peripheral devices. *

○ Microprocessor

○ Software

○ Hardware

○ Microcontroller

A _____ is a single VLSI chip having a CPU. *

○ Microprocessor

○ Software

○ Hardware

○ Microcontroller

Participant List

Sr.No.	Name	Roll number
1	Namita karavade	6113
2	Rupal Rakesh Saroj	6130
3	Sonu Kumar	6102
4	Archana Arvind Gupta	6111
5	Parth	6103
6	Abhinay Gupta	6110
7	Tejasvini Ramkishan Rajput	6125
8	Tejaswini Santosh Kakade	6112
9	Karan Mishra	6154
10	Prerna Rajendra Yadav	6147
11	Prathamesh uday desai	6108
12	Manav Vishwanath Patil	6121
13	Shiva singh	6139
14	Kaif Faruk shaikh	6131
15	Vaishnavi charate	6107
16	Tapasvi Narayan Mohite	6117
17	Yadav Ankit Omprakash	6144
18	Priya Prasad	6124
19	Pankaj yadav	6146
20	Dinesh Patil	6120
21	Suruchi shirke	6138
22	Sonali ramlkhan yadav	6149
23	Aditya sanas	6129
24	Sadiqua maqsood Ahmed Samani	6151
25	Sanika	60109
26	Sakshi	6104
27	Krity Sharma	6134
28	Aniket Mahesh Mourya	6153

29	Manish Subhash Shinde	6136
30	MITALI	6128
31	Om borhade	6106
32	Shraddha Yadav	6048
33	Yash Singh	6140
34	Sakshi Anand Tambe	6142
35	Kishan Nishad	6119
36	Ujala Rao	6156
37	Sujal Shinde	6137
38	Prajwal pawar	6122
39	Ronit Rawal	6127
40	Petiwala Asim Umar	6123
41	Aman maurya	6115
42	Riddhi Mochemadkar	6116
43	Satyam Kumar Maurya	6101
44	Harshad Hiraman Sonawale	41
45	Sanskruti santosh bhosale	6015
46	Seema Gangaram Shende	6150
47	diwakar janardan sharma	6133
48	Sandeep Vishwakarma	6143
49	Sainath	6118
50	Bhagesh shinde	35
51	Laxman Yadav	6145
52	Sohail shaikh	6032

Marksheet

Sr. No.	Score	Name
1	44 / 50	Namita karavade
2	42 / 50	Rupal Rakesh Saroj

3	38 / 50	Sonu Kumar
4	44 / 50	Archana Arvind Gupta
5	46 / 50	Parth
6	46 / 50	Abhinay Gupta
7	32 / 50	Tejasvini Ramkishan Rajput
8	44 / 50	Tejaswini Santosh Kakade
9	38 / 50	Karan Mishra
10	42 / 50	Prerna Rajendra Yadav
11	40 / 50	Prathamesh uday desai
12	46 / 50	Manav Vishwanath Patil
13	42 / 50	Shiva singh
14	38 / 50	Kaif Faruk shaikh
15	46 / 50	Vaishnavi charate
16	36 / 50	Tapasvi Narayan Mohite
17	36 / 50	Yadav Ankit Omprakash
18	36 / 50	Priya Prasad
19	42 / 50	Pankaj yadav
20	46 / 50	Dinesh Patil
21	46 / 50	Suruchi shirke
22	36 / 50	Sonali ramlkhan yadav
23	40 / 50	Aditya sanas
24	42 / 50	Sadiqua maqsood Ahmed Samani
25	46 / 50	Sanika
26	38 / 50	Sakshi
27	40 / 50	Krity Sharma
28	40 / 50	Aniket Mahesh Mourya
29	44 / 50	Manish Subhash Shinde
30	46 / 50	MITALI
31	40 / 50	Om borhade
32	34 / 50	Shraddha Yadav
33	44 / 50	Yash Singh
34	36 / 50	Sakshi Anand Tambe

35	28 / 50	Kishan Nishad
36	40 / 50	Ujala Rao
37	46 / 50	Sujal Shinde
38	38 / 50	Prajwal pawar
39	44 / 50	Ronit Rawal
40	44 / 50	Petiwala Asim Umar
41	36 / 50	Aman maurya
42	44 / 50	Riddhi Mochemadkar
43	34 / 50	Satyam Kumar Maurya
44	36 / 50	Harshad Hiraman Sonawale
45	46 / 50	Sanskruti santosh bhosale
46	38 / 50	Seema Gangaram Shende
47	44 / 50	diwakar janardan sharma
48	40 / 50	Sandeep Vishwakarma
49	44 / 50	Sainath
50	44 / 50	Bhagesh shinde
51	48 / 50	Laxman Yadav
52	42 / 50	Sohail shaikh

Feedback Form

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

How useful to you was this course? *

○ Very Useful

○ Moderately useful

○ Not at all useful

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? *

2022 SYIT Term 2 (bridge course examination)+(Feedback)

Questions   Responses 52   Settings   Total points: 50

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? *

Short answer text
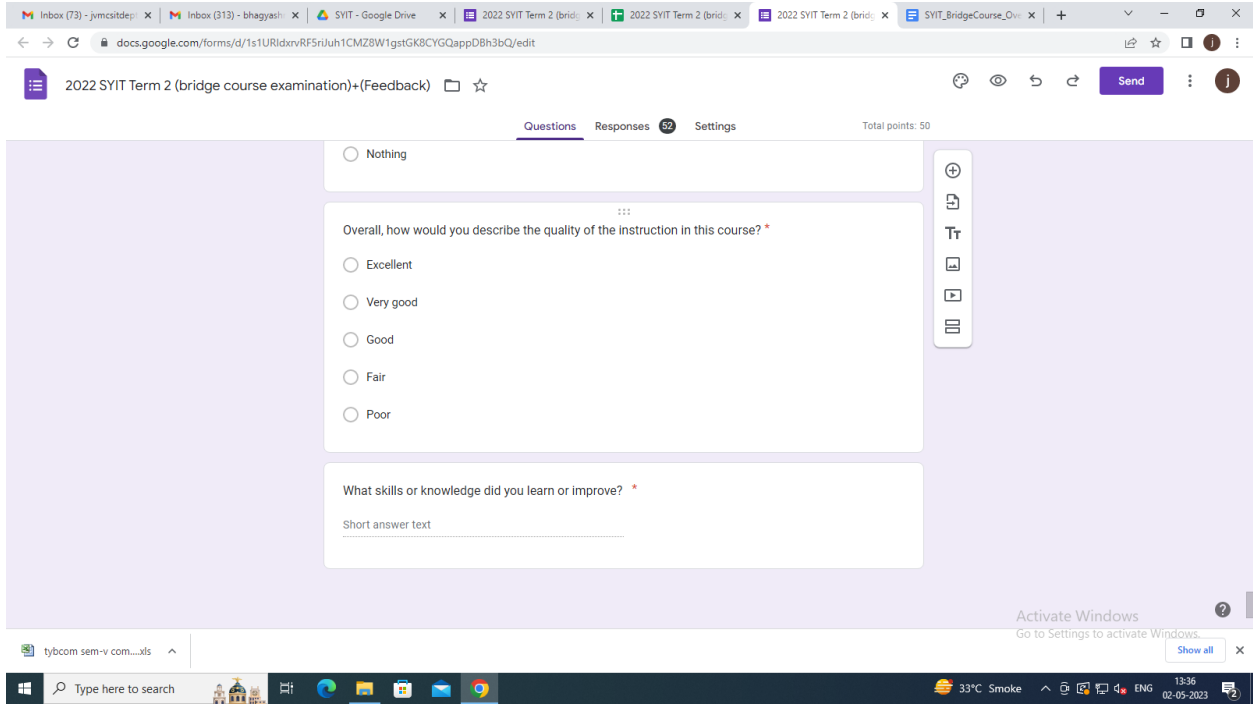
Feedback Analysis

Were the objectives of the course clear to you?

52 responses

- Very Clear
- Moderately Clear
- Not at all Clear

46.2%

51.9%
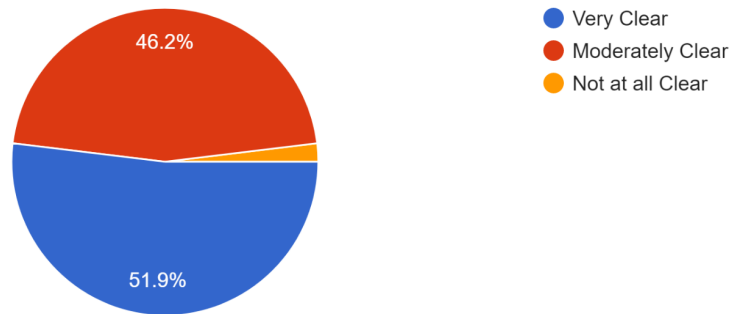
The lectures were clear & easy to understand.
52 responses

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

67.3%
11.5%
19.2%
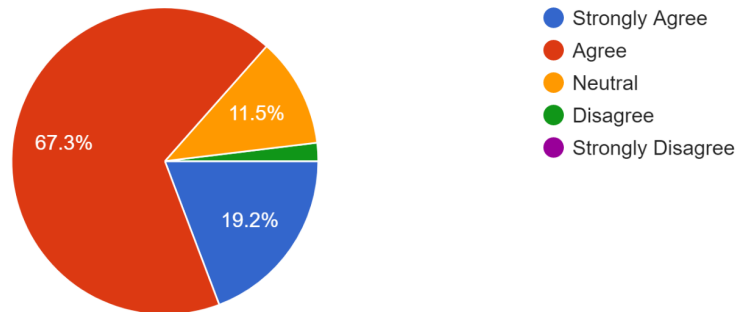
The course was organized in a manner that helped you understand the underlying concepts.
52 responses
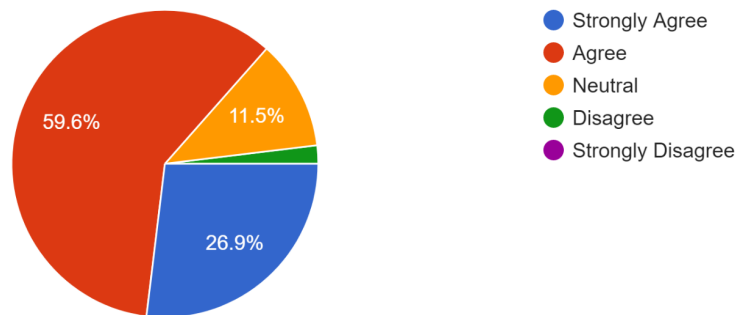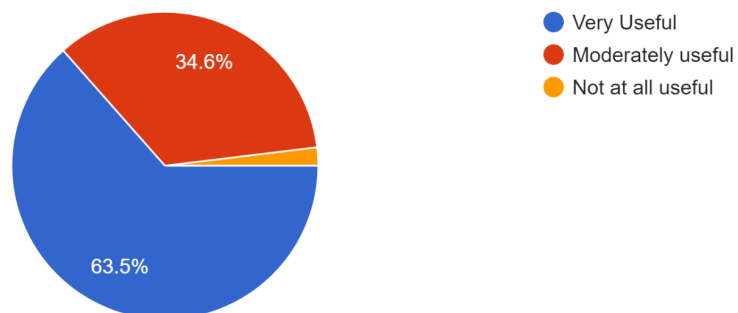
- Strongly Agree
- Agree
- Neutral
- Disagree
- Strongly Disagree

59.6%
11.5%
26.9%

How useful to you was this course?
52 responses

- Very Useful
- Moderately useful
- Not at all useful

34.6%
63.5%

How much did you learn from this course?

52 responses

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

26.9%
42.3%
30.8%

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

52 responses

- Excellent
- Very good
- Good
- Fair
- Poor

26.9%
34.6%
38.5%
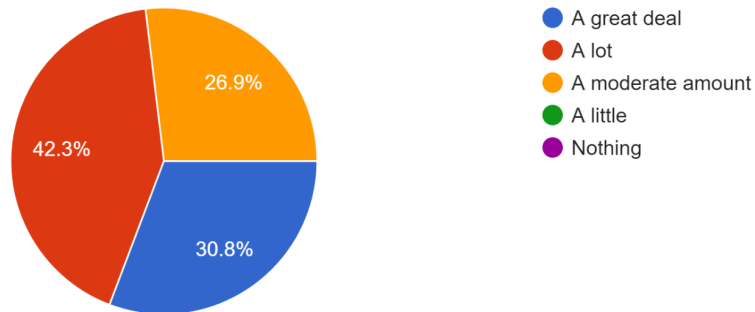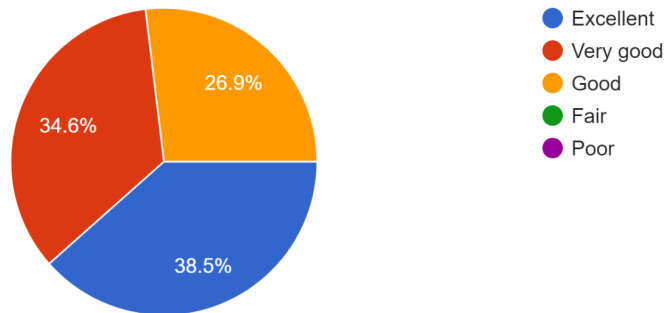
What skills or knowledge did you learn or improve?

52 responses
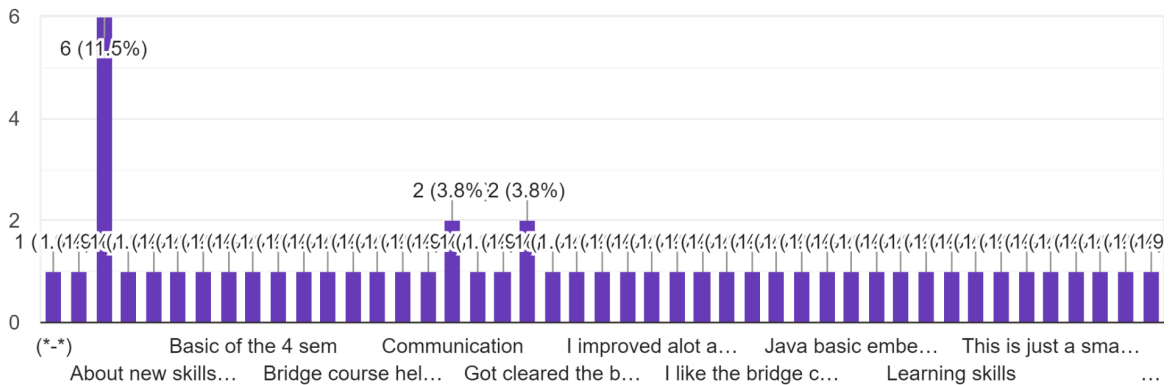
6 (11.5%)

2 (3.8%) 2 (3.8%)

1 (1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...1...9

(*-*)
About new skills...
Basic of the 4 sem
Bridge course hel...
Communication
Got cleared the b...
I improved alot a...
I like the bridge c...
Java basic embe...
Learning skills
This is just a sma...
...

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REPORT

Second Year bridge course report 2022 (term 2)

The bridge course was conducted for Information technology students of second year. It was started from 07/11/2022 to 14/11/2022.

Total 5 subjects are included in this bridge course and following faculties have taken 8 lectures .i.e total duration was 40 hrs.

Sr No.	Subject name	Teacher name
1.	Mrs. Archana Sanap	Project Implementation
2.	Mrs. Sharayu Kadam	Fundamentals of Embedded System
3.	Mrs. Rajshree Pisal	Introduction to Java
4.	Mrs. Bhagyashree Kulkarni	Fundamentals of Graphics
5.	Mr. Pintoo Jaiswar	Computer Oriented Statistical Techniques

Final exam was conducted on 14/11/2022 . All subject teachers provided 5 questions of their respective topics. (each of 2 Marks).

Total 50 marks exam was conducted by Mrs. Bhagyashree kulkarni.

Exam was conducted from 4:00 pm to 5:00 pm.

And finally result was released to all the students who have attempted test by sending email.

52 students from SYBSC(IT) had submitted paper.

Asst. Prof. Archana Sanap   Asst. Prof. Janhavi Kshirsagar   Dr.(Mrs)Leena Sarkar

Incharge- IT DEPT   Coordinator CS-IT DEPT   Principal