

SINDHI COLLEGE
INTERNAL EXAMINATION 2 - ODD SEM 2019 - 2020

TIMINGS : 7.30 am to 10.30 am

TIME TABLE

DATE / CLASS	I SEM B.Com		I SEM BBA		I SEM BCA		I SEM B.Sc		I SEM BA		I SEM BBA(Aviation)		III SEM BA		V SEM BCA		V SEM B.Sc	
21/10/2019 Monday	FA	K/H/S	CA	FA	CO	ENG	MATHS	ENG	Psychology	ENG	AMD	K/H/S	Psychology	ENG	MP	CA	ELE - V	MATHS - V
22/10/2019 Tuesday	BDE	ENG	K/H/S	ENG	C	K/H/S	C	K/H/S	Journalism	K/H/S	QTM-I	ENG	Journalism	C&D	SE	B&F	ELE - VI	B&F
23/10/2019 Wednesday	CSA	IFIM	POM	PM	EPH	MATHS	EPH	ELE - I	EPH	Opt.Eng	FM	IAI	Opt.Eng	K/H/S	JAVA	DCN	JAVA	MATHS - VI
24/10/2019 Thursday	IC (7.30)	Class	IC (7.30)								IC (7.30)						VP (7.30)	Class

TIMINGS : 11.00 am to 2.00 pm

DATE / CLASS	III SEM B.Com		III SEM BBA		III SEM BCA		III SEM B.Sc		V SEM B.Com		V SEM BBA	
21/10/2019 Monday	QABD - II	BE	SS	BE	C++	K/H/S	DBMS & SE	K/H/S	AA / IFM	IT	EM	AFM / EWSS
22/10/2019 Tuesday	K/H/S	ENG	CA	K/H/S	AFM	C&D	ELE - III	C & D	CM	ED	FM&S / HRM	IM
23/10/2019 Wednesday	PR&C C	CA	BR	CE	ENG	OS	ENG	MATHS - III	GST	IFRS	MA	CAB
24/10/2019 Thursday	S&S (7.30)	FM	S&S (7.30)	HRM					C&D (7.30)	Class	C&D (7.30)	Class

[Signature]
PRINCIPAL
SINDHI COLLEGE
#33/2B Kempapura, Hobbal,
Bengaluru-560 024.

ODD SEM IEM - 2
2019-2020

Sindhi College
BCA 6th Sem- 2019-20

Internal Assessment

Sl No	Name of the Student	Reg No	Toc	SP	CR	WP	WPU	PRO	E&J					
1	Abhilash N	17NMSB7002	30	40	40	18	10	70	18					
2	Aditya S Avalakki	17NMSB7004	45	40	45	27	15	96	27					
3	Akash Anand Khandari	17NMSB7005	48	50	46	26	14	98	28					
4	Akhilash K H	17NMSB7006	35	38	20	15	10	75	21					
5	Akshay Mehla	17NMSB7007	45	50	45	24	14	95	25					
6	Anjali Mary	17NMSB7008	40	48	36	24	13	85	22					
7	Ankit H Chandwani	17NMSB7009	45	50	46	28	14	97	28					
8	Arun Kumar D M	17NMSB7010	38	35	36	20	10	85	20					
9	Ashwin Pradeep	17NMSB7011	42	38	45	24	14	96	25					
10	Chandana K	17NMSB7015	38	35	40	20	12	75	20					
11	Chandru S	17NMSB7016	49	50	40	29	15	100	29					
12	Gayithri G S	17NMSB7017	50	50	50	30	15	100	30					
13	Harsha K V	17NMSB7018	40	40	20	15	12	90	15					
14	Harshitha S	17NMSB7019	42	47	30	23	14	90	23					
15	Junaid Shariff	17NMSB7021	42	45	25	22	13	90	22					
16	Karthik S	17NMSB7022	35	30	20	14	08	70	14					
17	Kavyashree K	17NMSB7023	50	50	49	30	15	100	30					
18	Kedhar N	17NMSB7024	40	48	45	25	14	95	25					
19	Lalith Prasad M	17NMSB7026	30	36	20	13	10	75	12					
20	Lohith R	17NMSB7027	35	40	25	20	12	80	20					
21	Manisha Kumari	17NMSB7028	50	50	50	30	15	100	30					
22	Mehul Patel	17NMSB7029	40	45	25	22	10	85	22					

			Tot	SP	CR	WP	WPU	PRO	E21					
23	Mohamed Ali Yousif Mohamed	17NMSB7030	30	30	20	20	10	75	20					
24	Nataraj C	17NMSB7034	30	38	25	19	10	75	18					
25	Naveen J.N	17NMSB7035	35	38	20	15	10	75	14					
26	Omer Mukhtar Osman Mohamed	17NMSB7037	30	30	20	15	08	70	10					
27	P K Tharun Raj	17NMSB7038	50	50	46	30	15	100	30					
28	Pachila Anupama	17NMSB7039	48	49	49	29	15	100	28					
29	Pallavi B M	17NMSB7040	40	40	36	22	13	90	28					
30	Pulicherla Yasmin	17NMSB7043	45	47	42	24	13	95	25					
31	Rakhi Kumari	17NMSB7046	48	50	50	27	14	95	28					
32	Ramprasad A Donur	17NMSB7047	42	45	20	20	12	90	20					
33	Ranveer Patel	17NMSB7048	38	42	22	15	10	85	20					
34	Rohan N	17NMSB7049	45	48	40	28	14	98	28					
35	Rohan S	17NMSB7050	45	48	40	28	14	98	28					
36	Rushikesh Naidu T	17NMSB7051	50	50	48	30	15	100	29					
37	Sagar Rao G	17NMSB7052	49	50	48	28	14	98	28					
38	Sahana M	17NMSB7053	45	49	48	27	15	98	26					
39	Sai Sandhya D P	17NMSB7054	45	50	48	27	14	98	27					
40	Sandhya R M	17NMSB7055	42	47	48	28	15	92	27					
41	Sharan P M	17NMSB7056	45	45	20	25	13	97	25					
42	Sharath Kumar R	17NMSB7057	42	38	25	22	10	75	15					
43	Shashank V	17NMSB7058	50	50	48	30	15	100	30					
44	Shivam Bhardwaj	17NMSB7059	38	42	25	15	12	80	15					
45	Shravani A N	17NMSB7060	48	50	48	26	14	98	29					
46	Shreelakshmi R	17NMSB7061	48	47	45	28	14	95	29					
47	Shreya S	17NMSB7062	47	48	48	27	15	97	28					

			TOC	SP	CR	WIP	WPIU	PRO	ELI						
48	Shwetha B	17NMSB7063	47	47	40	26	14	97	28						
49	Solomon Jacob M	17NMSB7064	40	48	25	24	12	85	20						
50	Soumya P	17NMSB7065	45	48	45	27	13	90	25						
51	Sumiya Bee S	17NMSB7067	48	48	48	29	15	98	29						
52	Suresh	17NMSB7068	39	40	20	16	10	80	20						
53	Syed Shahbaz	17NMSB7071	50	50	50	30	15	100	30						
54	Tahir Faizan D	17NMSB7072	50	50	50	30	15	100	30						
55	Tejas R	17NMSB7073	47	50	48	28	15	96	28						
56	Thilak N	17NMSB7074	40	38	20	14	10	75	20						
57	Vaibhav G V	17NMSB7076	46	50	48	29	15	95	28						
58	Vamshi S	17NMSB7077	40	42	25	18	10	85	20						
59	Vigneshwar Singh P	17NMSB7079	38	38	20	15	10	85	20						
60	Vinay Chandra M	17NMSB7080	45	45	46	28	15	98	29						
61	Abdur Rahaman Sherieff	17NMSB7001	35	48	20	20	10	75	20						

Navin Yash
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HEAD OF THE DEPARTMENT
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PTM for Even Semester 2018-19 on 13/4/2019





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SINDHI COLLEGE

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ASSESSMENT BOOK

2019 - 2020

Student Name : Deeksha P Reg. No. : 51810805

Class : B.Sc Section : - Semester III

Subject : DBMS & SE - (1)

Deeksha

Signature of the Student

Redh

Signature H.O.D.

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Signature of Faculty

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Assignment-01

01. Write a note on DBMS, Advantages.

A database management system is a collection of programs that enable the users to create a database, maintain a database or to perform any manipulation with the database.

Advantages of DBMS:

* Controlling Redundency:

The existence of the same data in multiple places or the replication of the same data or duplication of data is known as 'data redundancy'. This redundancy in multiple files has some disadvantages.

So to avoid this redundancy we have data which stores data item in one place. This avoids inconsistency by saving effort and by providing efficient updation.

* Restricting unauthorised access:

To maintain the security of data, access to database has to be controlled where multiple users share a large database. DBMS provide security by setting userid and password.

★ Providing persistent storage for program objects and data structures:

Database can be used to provide persistent storage for program objects and data structures. This is the reason why object oriented database (OODB) came into existence. OODB systems like DBMS compatible systems provide suitable file storage.

★ Providing storage structure for efficient query processing:

DBMS system is having capabilities for efficiently executing queries and updates. It also provides data base in main memory buffer. Queries processing data can also be stored in metadata.

★ Providing backups and recovery:

In a DBMS there should be always a facility to recover from hardware or software failures. This facility is called as 'backup & recovery system'.

★ Providing multiple-user interface:

GUI consist of both form style interface and menu driven interfaces which will provide multiple access to data base in more efficient manner.

* Representing complex relationship among data:

A database may include numerous varieties of data that are inter related in many ways and the DBMS is having capacity of representing complex data's in an efficient way.

Q2. Explain database languages:

i) DDL (Data definition language):

It is used to define the database. DDL is used to specify conceptual schema.

Commands:

* Create:

used to create database.

eg:

```
create table student (name varchar(11), regno integer);
```

* Alter:

used to modify in database

eg:

```
alter table student drop column name;
```

* Drop:

used to delete entire table.

eg:

```
drop table student.
```


ii) DML (Data manipulation language):

It is used to perform different manipulations with the database.

Commands:

★ Select:

Retrieve the data.

eg:

Select * from student;

★ Insert:

insert values to the table data base

eg:

insert into student values ('101', 'Varsha');

★ Delete:

delete data from the table data base

eg:

delete

★ Update:

perform modifications of the data base.

eg:

update student set regno = 100 where name = 'Varsha';

- iii) SDL (Stored definition language):
used to define internal schema.
- iv) VDL (View definition language):
used to specify user views and their mappings to conceptual schema.
- v) SQL (Structured query language):
It is a combination of DDL, DML, VDL and SDL. It is used for all purpose query language i.e for retrieval of data, update, delete etc.
- vi) Host language and Database language:
A host language is a general purpose programming language.
A database language is an embedded form of high level or low level DML commands.

Q3. Explain classification of DBMS.

1) Based on Data models:

i) Relational data model:

- Introduced by professor E.F. Codd.
- Represents data in the form of tables.
- It is high level query language, hence called as RDBMS.
- Follows concepts like entity, attribute & relationship.

ii) Network datamodel:

- Data is represented in the form of 'records'.
- one to one relationship exists between entities called 'set type'.
- Data is organised into logical units called as 'record types'.
- It has only one entry and exit.

iii) Hierarchical datamodel:

- Data is represented in the form of 'tree like structure'.
- This hierarchy represents data in the form of 'parent & child data segments'.
- Easy to understand and has high speed retrieval of data.

iv) Object-oriented data model:

- Data is represented in the form of objects, classes, their properties and operations.
- Objects of same structure belongs to same class.
- Shows the properties of modularity.

v) Object-relational data model:

- Also called as ORDBMS.
- Inherits property of different objects.

eg:

Oracle 9i, Oracle 8 etc.

2) Based on no. of users:

★ Single user system:

→ Supports only one user at a time.

★ Multi user system:

→ supports multi user at a time.

3) Based on no. of sites:

★ Centralised DBMS:

→ Always the data and DBMS software resides only at one place or site; that is called as server system.

→ Other site are connected to the centralised site and can access the database.

★ Distributed DBMS:

→ In this, the database is maintained at a no. of different sites.

★ Homogeneous DBMS:

→ It is the same DBMS existing in multiple sites.

★ Online transaction processing DBMS (OLTP):

→ It supports larger no. of transactions to be performed online.

3) Based on Purpose:

i) Special Purpose:

→ used for only a specific type of applications like online reservations, banking etc.

ii) General purpose:

→ used for any type of applications

4) Based on cost:

i) DBMS cost mode:

A low end DBMS can cost 3000\$ to 1,00,000\$

Q4. Differentiate between distributed and centralised DBMS.

<u>Centralised DBMS</u>	<u>Distributed DBMS</u>
* Database is maintained at one site.	* Database is maintained at a number of different sites.
* If centralised system fails, entire system is halted.	* If one system fails, system continues work with other site.
* Less reliable	* More reliable
* Managing, updating and taking in backups of data is	* As there are multiple database files, it needs time to synchronize

easier as there is only one database file.

* Requires time for accessing data because multiple users access the database file.

data.

* Speed in accessing the data is higher because the data is retrieved from the nearest database file.

05. Explain qualities of good software.

Qualities of good software:

i) Maintainability:

The ability to be retained in its original form and to be restored to that form in case of failures.

The factors deals with this are:

* Modifiability:

→ ease of modification that a software can accommodate.

* Flexibility:

→ Ability of the software to use in different systems.

* Testability:

→ Effort required to test a software.

* Portability:

→ Ability of a system to run under different computing.

★ Reusability:

→ Degree of repeated use of a software.

★ Inter-operability:

→ Effort required to connect one system with the other.

ii) Dependability:

Degree of how much the system is trusted by the users.

The factors are:

★ Availability:

→ Ability to deliver services when requested.

★ Correctness:

→ extent to which a program satisfies its specifications.

★ Reliability:

→ ability to perform according to its specifications.

★ Security:

→ ability of system to defend itself against intrusion.

★ Safety:

→ ability of system to operate without catastrophic failure.

iii) Efficiency:

The extent to which a system may be expected to achieve its objectives.

The factors are:

★ Response time:

→ time taken to react to a given input.
→

★ Memory requirements:

→ Applications that are required to install and use software efficiently.

★ Processing time:

→ time used for processing.

★ Memory utilization:

→ Amount of memory used.

iv) Usability

Degree of comfortability to use.

★ User familiarity

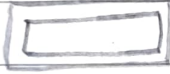
★ Consistency

★ User guidance.

ASSIGNMENT-02

- 1) What is ER Model? Explain ER Diagrams.
It is a graphical representation of the entity, the relationship and the attributes.

Notations for ER Diagram:

- i)  Represents fundamental entity.
- ii)  weak entity
- iii)  Attributes
- iv)  main attributes
- v)  Multi-valued attributes
- vi)  Derived attributes
- vii)  Relationship

viii)		1:1
		1:M
		M:M
		M:1

- 2) Explain entity, attributes and relationship.
explain the types of attributes

Entity:

It is a thing or an object with an independent exist.

Ex: Student company.

Attributes:

It is the property that describes an entity.

Types of attributes:

- i) Simple attribute:

It takes only one value at a time.
eg: age

- ii) Single attribute:

this cannot be further divided.
eg: regno

- iii) Composite attribute:

this can be sub-divided into smaller parts.

eg: name

iv) Multivalued attribute:

It takes more than one value at a time.
eg: degree.

v) Stored attribute:

that cannot be derived from other attribute.
eg: age

vi) Null-valued:

Sometimes may not have any applicable value.
eg: phoneno.

Relationship:

The association among two or more entities.

3) Explain DBA and its responsibilities:

It is Database administrator, he is the person who is controlling and co-ordinating the DBMS system.

Responsibilities:

* The DBA is responsible for authorizing access to the database and for acquiring software and hardware resources as needed.

* He is accountable for problems such as

security and poor response time.

- * DBA administrates the three levels of the data base - internal, external, conceptual
- * He is responsible for mapping between the three levels of the DBMS.
- * A DBA should ensure that integrity is maintained within the DBMS.

4) Explain selection and projection operations:

i) Selection (σ):

It is used to select row wise - selection. This is an operation that select some of the tuples in relation in row-wise. It is a horizontal subset of the given relation. To have a tuple in the resultant relation the selection condition has to be satisfied.

Syntax:

$\sigma \langle \text{selection condition} \rangle \langle R \rangle$

eg:

ID	Name
101	A
102	B

$\sigma \langle ID < 102 \rangle \langle \text{Employee} \rangle$

ID	Name
101	A

ii) Projection (π):

The projection of a relation is defined as the projection of all its tuples over some set of attributes in column-wise. It is a vertical subset of a relation.

It is used to reduce the number of attributes in the resultant relation and it is also used to re-order the attributes.

Syntax:

$\pi < \text{attribute list} > < R >$

eg:

ID	Name	Address
101	A	Hebbal
102	B	Yelahanka
103	C	Kempapura

$\pi < ID, Name > < Employee >$

ID	Name
101	A
102	B
103	C

5. Explain process models:

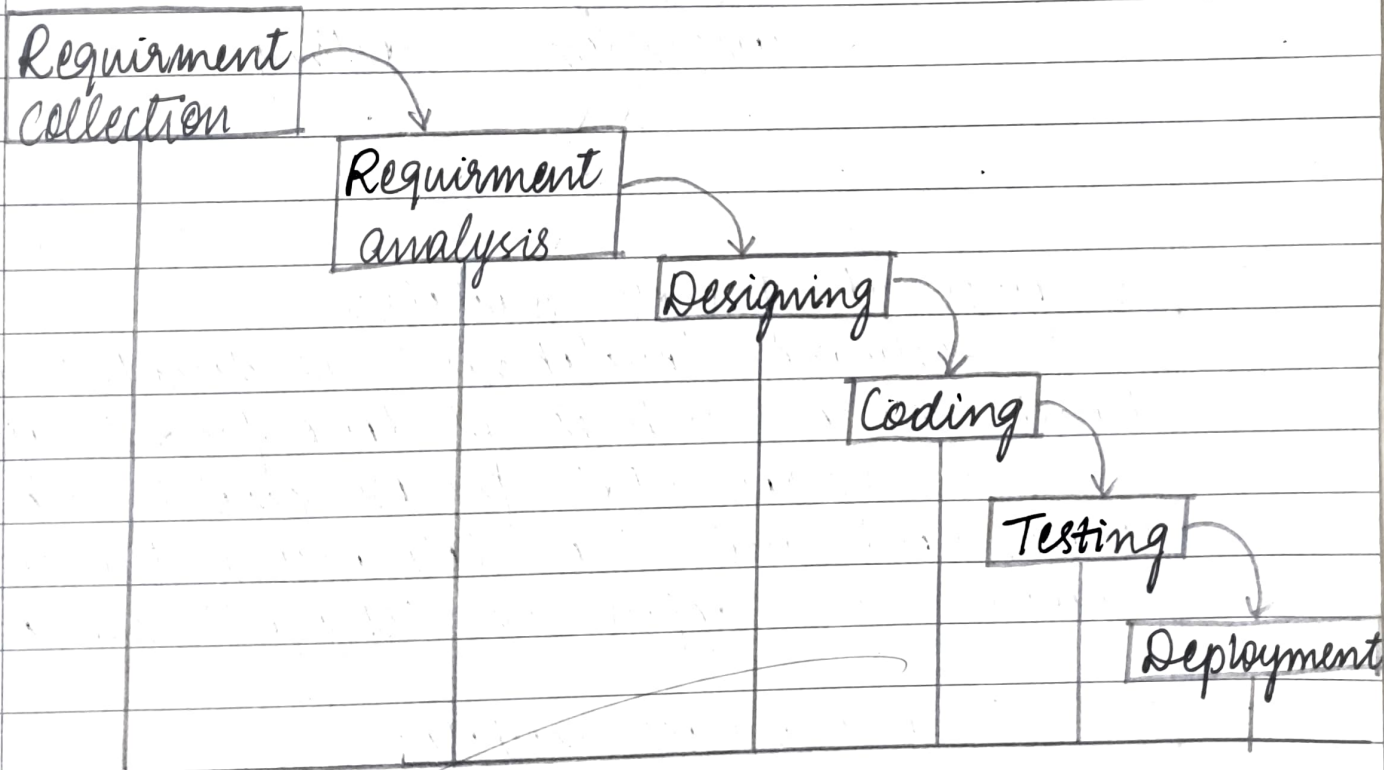
It is the order in which the activities of the software process.

Types of process models

A perspective process models are introduced to the better development of the software process.

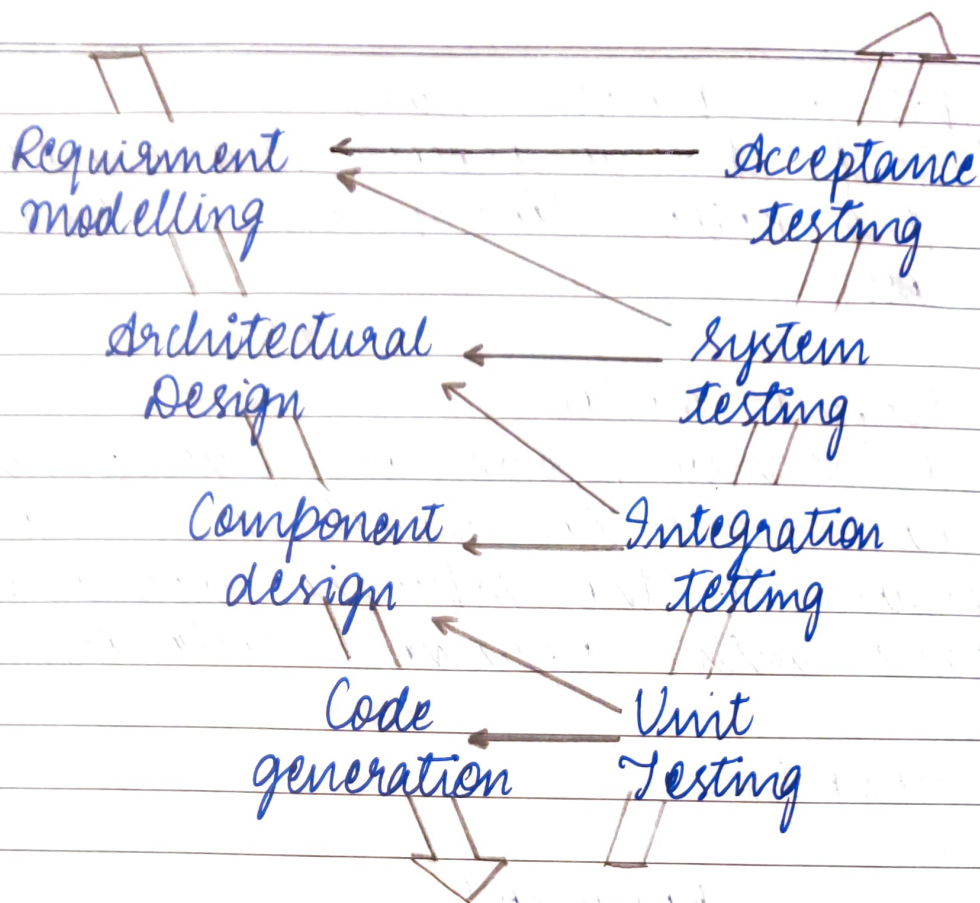
★ Waterfall model:

It is also known as classic life cycle or linear sequential model. It is the sequential approach to the software development that begins with requirement collection.



★ V-model:

This model is also known as verification model, a verification in the representation of waterfall mode.



* Incremental process models:

A software development is divided into stand alone modules of development cycle. In this incremental process model, the process development and the delivery of the software product will happen in different increments.

* Evolutionary process models:

These are iterative models with execute the stages in a circular manner.

They are of 2 types:

- Prototyping model
- Spiral model.



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ASSESSMENT BOOK

2019 - 2020

Student Name : Deeksha P Reg. No. : 51810805

Class : B.Sc Section : - Semester III

Subject : DBMS & SE - (2)

Deeksha

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Redh

Signature H.O.D.

[Red Signature]

Signature of Faculty

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Assignment - 03

1. Explain Datatypes in SQL.

They can be broadly divided into following categories:

- ★ Numeric data type-
such as int, tinyint, bigint, float, real etc.
- ★ Date and time data type-
such as date, time, datetime etc.
- ★ Character and string data types-
such as char, varchar, text etc.
- ★ Unicode character string data types-
such as nchar, nvarchar, ntext etc.
- ★ Binary data types-
such as binary, varbinary etc.
- ★ Miscellaneous data types-
such as blob, clob, xml, cursor, table etc.

(2). Explain commit and rollback.

The changes made to the database using the insert, delete and update statements can be reversed if necessary.

There are two statements:

- a) Commit
- b) Rollback

The changes made to the database can be made permanent by using the commit statement.

The changes made to the database since the last commit can be reversed by using the rollback statement. Some actions can force a commit session, the system automatically commits all the changes. Other statements that result in the automatic commit is create table, drop table and alter table.

SQL > set autocommit on

This can be used to perform commit operation automatically.

SQL > set autocommit off

This can be used to put off the autocommit feature.

After some operation is performed, the commit statement can be given to commit that operation. The database state changes permanently after the commit statement.

SQL < commit;

Commit complete;

When any database operation is performed, if we want to revert back to the database state before the operation was performed, then the rollback statement can be used.

```
SQL> rollback;
```

Rollback complete.

3. Explain the activities of generic framework.

★ Communication:

communicate with the customer and the stake holder to identify the customers requirements.

★ Planning:

for a good software product.

★ Modelling:

create a sketch based on the different processed models.

★ Construction:

this activity combines code generation, combines coding and testing to rectify the errors.

★ Deployment:

it is the process of delivering the software product.

4. Explain umbrella activities.

Software engineering process is complemented by a number of umbrella activities.

They are,

★ Software tracking and control:

To access the program of software development.

★ Risk management:

Helps in improving the quality of the product. It accesses risk that may affect the outcome of product. It accesses risk that may affect the outcome of product.

★ Software quality assurance:

it ensures the activities required to ensure the software quality.

★ Technical views:

feedback from the technical team will be taken to uncover the errors.

★ Measurements:

it ensures the process, projects to deliver a software project.

- ★ Software configuration management:
it establishes the mechanism to achieve the reusable management.
 - ★ Software reusability management:
it establishes and configures the effect of change throughout the software process.
 - ★ Production and product preparation:
it encompasses the activity required to create the product and helps in documentation.
5. Explain software myths:
- Software myths are the wrong belief about the software and the process that it is used to build.
- i) Managers will be under pressure to maintain the budget and schedule of the software to improve the quality, such type of myths are called as 'management myths'.
 - ii) A customer who request computer software may be a person with wrong believes, such type of myths are 'customer myths'.
 - iii) Myths that are still belived by the software practitioners in the programming culture is the 'practitioners myths'.

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Software myths are the wrong belief about the software and the process that it is used to build.

- i) Managers will be under pressure to maintain the budget and schedule of the software to improve the quality, such type of myths are called as 'management myths'.
- ii) A customer who request computer software may be a person with wrong believes, such type of myths are 'customer myths'.
- iii) Myths that are still belived by the software practitioners in the programming culture is the 'practitioners myths'.

6. Explain the types of testing.

System series is a series of different tests whose primary purpose is to fully exercise the computer-based system. Although each test has a different purpose, all work to verify that system elements have been properly integrated and performed allocated functions.

i) Recovery Testing -

It is a system test that forces the software to fail in a variety of ways and verifies that recovery is properly performed. If recovery is automatic, reinitialization, checkpointing, mechanisms, data recovery and restart are evaluated for correctness.

ii) Security Testing -

Any computer-based system that manages sensitive information or causes actions that can improperly harm individuals is a target for improper or illegal penetration.

iii) Stress Testing -

It executes a system in a manner that demands resources in abnormal quantity, frequency or volume. A variation of stress testing, is a technique called 'sensitivity testing'.

iv) Performance Testing:

Software that provides required function but does not confirm to performance requirements is unacceptable. Performance testing is designed to test the run-time performance of software within the context of an integrated system.

v) Deployment Testing:

Exercises the software in each environment in which it is to operate. In addition, deployment testing examines all installation procedures and specialized installation software that will be used by customers, and all documentation that will be used to introduce the software to end users.

Sindhi College, Bangalore

FEEDBACK REPORT

Sl.No	Faculty Name	Department	Context	Rating			
				Class & Subject	Class & Subject	Class & Subject	Class & Subject
				II BCOM A- RM			
1	- Dr. Anil Kumar S	Vice Principal	a. Knowledge	3.3333/5			
			b. Presentation Skills	3.4/5			
			c. Curriculum Coverage	3.1333/5			
			d. Motivation	3.6667/5			
			e. Clearing of Doubts	3.3333/5			
			f. Interpersonal Relationship	3.2/5			
2	Asha N	Vice Principal		VI BCOM B - IT-II			
			a. Knowledge	4.2703/5			
			b. Presentation Skills	4.1622/5			
			c. Curriculum Coverage	3.9459/5			
			d. Motivation	4.1622/5			
			e. Clearing of Doubts	4.1351/5			
			f. Interpersonal Relationship	4.2162/5			

3	Kariyanna S	Kannada		II BCOM A - Kannada	II BBA- Kannada	IV BCOM A - Kannada	IV BBA- Kannada
			a. Knowledge	4.0833/5	3.8182/5	3.6364/5	3.0833/5
			b. Presentation Skills	4/5	3.6364/5	3.5455/5	2.5/5
			c. Curriculum Coverage	4.4167/5	3.9091/5	3.4545/5	2.6667/5
			d. Motivation	3.6667/5	3.9091/5	3.5455/5	2.9167/5
			e. Clearing of Doubts	3.8333/5	3.8182/5	3.6364/5	3.0833/5
			f. Interpersonal Relationship	3.6667/5	3.7273/5	3.9091/5	2.9167/5
4	Raju	Kannada		II BCOM B - Kannada	II BCA- Kannada	IV BCOM B- Kannada	IV BCA- Kannada
			a. Knowledge	4.3333/5	4.75/5	2/5	4.3571/5
			b. Presentation Skills	2.6667/5	4.75/5	2/5	4.0714/5
			c. Curriculum Coverage	3.3333/5	4.5833/5	2/5	4.1429/5
			d. Motivation	4/5	4.5833/5	2.5/5	3.8571/5
			e. Clearing of Doubts	4.3333/5	4.8333/5	2/5	4.2857/5
			f. Interpersonal Relationship	3/5	4.8333/5	2/5	4/5

5	Dr. Ranjana Pillai	Hindi		IV BCOM A- Hindi	IV BCOM B- Hindi	IV BBA- Hindi						
			a. Knowledge	3.6/5	3/5	4.6667/5						
			b. Presentation Skills	3.2/5	3/5	4.1111/5						
			c. Curriculum Coverage	3.5/5	3/5	4.1111/5						
			d. Motivation	2.3/5	2/5	4.3333/5						
			e. Clearing of Doubts	3/5	2.5/5	4.3333/5						
			f. Interpersonal Relationship	3.5/5	2/5	4/5						
6	Dr. Girirajkumar	Hindi		II BCOM A- Hindi	II B.COM B- Hindi	II BBA- Hindi	II B.Sc- Hindi	IV BCA- Hindi				
			a. Knowledge	4/5	4.6/5	3.9286/5	5/5	4/5				
			b. Presentation Skills	4.25/5	4.8/5	3.4286/5	5/5	4/5				
			c. Curriculum Coverage	3.25/5	4.4/5	4/5	5/5	5/5				
			d. Motivation	5/5	4.4/5	3.5/5	5/5	5/5				
			e. Clearing of Doubts	5/5	4.4/5	3.4286/5	5/5	5/5				
			f. Interpersonal Relationship	3.5/5	3.6/5	3.7143/5	5/5	5/5				
7	Subramanya N R	Sanskrit		II BCOM A- Sanskrit	II B.COM B- Sanskrit	II BBA- Sanskrit	II BCA- Sanskrit	II B.Sc- Sanskrit	IV BCOM A- Sanskrit	IV BCOM B - Sanskrit	IV BBA- Sanskrit	IV BCA- Sanskrit
			a. Knowledge	4.75/5	4.7778/5	4.4286/5	4.5/5	5/5	4.5/5	4/5	4/5	5/5
			b. Presentation Skills	4.75/5	4.4444/5	4.1429/5	3.625/5	5/5	4.5/5	3/5	4.5/5	4.8182/5
			c. Curriculum Coverage	3.75/5	4.6667/5	4.4286/5	4.375/5	5/5	4.5/5	3/5	2.75/5	4.8182/5
			d. Motivation	5/5	4.7778/5	4.1429/5	3.75/5	5/5	4/5	2/5	3.75/5	4.6364/5
			e. Clearing of Doubts	4.75/5	4.8889/5	4.8571/5	4.125/5	5/5	5/5	3/5	3.5/5	4.9091/5
			f. Interpersonal Relationship	4.5/5	4.3333/5	4.4286/5	4.125/5	2.5/5	4.5/5	5/5	3.5/5	4.3636/5

8	Padmavathy	English		II B.Sc- English	IV BCOM A- English	IV BCOM B - English	IV BCA- English
			a. Knowledge	5/5	4.5/5	4.8/5	5/5
			b. Presentation Skills	5/5	4.4545/5	5/5	5/5
			c. Curriculum Coverage	4.2857/5	4.4091/5	4.8/5	5/5
			d. Motivation	5/5	4.4091/5	4.8/5	5/5
			e. Clearing of Doubts	5/5	4.5/5	4.8/5	5/5
			f. Interpersonal Relationship	4.2857/5	4.2727/5	4.8/5	5/5
9	Nagarathna K B	English		II BCOM A- English	II BCOM B- English	II BBA- English	II BCA- English
			a. Knowledge	4.125/5	4.1111/5	2.9355/5	3/5
			b. Presentation Skills	3.875/5	3.8333/5	2.9677/5	2.6538/5
			c. Curriculum Coverage	4/5	4/5	3.3548/5	3.1538/5
			d. Motivation	4.25/5	3.6667/5	3.1935/5	2.7308/5
			e. Clearing of Doubts	4.25/5	3.9444/5	3.0323/5	2.5/5
			f. Interpersonal Relationship	4.25/5	3.5556/5	3.5161/5	2.6154/5
10	Roopa HB	Mathematics		II BCOM A QABD-I	II BBA - QMB -II	VI BSC- M8	VI BSC- M8(L)
			a. Knowledge	4.6667/5	4.5806/5	4.6/5	4.6/5
			b. Presentation Skills	4.6667/5	4.4839/5	4.8/5	4.8/5
			c. Curriculum Coverage	4.7333/5	4.4194/5	4.6/5	4.6/5
			d. Motivation	4.7333/5	4.3871/5	4.8/5	4.8/5
			e. Clearing of Doubts	4.7333/5	4.5161/5	4.6/5	4.8/5
			f. Interpersonal Relationship	4.4/5	4.129/5	4.8/5	4.8/5

11	Putul Dutta	Mathematics		II BSC-Maths	II BSC-Maths (LAB)	IV BCA-OR
			a. Knowledge	4.5714/5	4.7143/5	4.0238/5
			b. Presentation Skills	4.5714/5	4.7143/5	4.0238/5
			c. Curriculum Coverage	4.4286/5	4.4286/5	3.8571/5
			d. Motivation	4.1429/5	4.1429/5	3.9286/5
			e. Clearing of Doubts	4.5714/5	4.7143/5	4.1667/5
			f. Interpersonal Relationship	4/5	4/5	4.1429/5

12	Chitty Babu R	Mathematics		II BCOM B QABD-I	II BCA-NASM	VI BSC-M7	VI BSC-M7(L)
			a. Knowledge	3.2222/5	4.0417/5	4.4/5	3.8/5
			b. Presentation Skills	2.9444/5	3.7083/5	4/5	3.8/5
			c. Curriculum Coverage	2.6667/5	3.8333/5	3.6/5	3.6/5
			d. Motivation	2.6111/5	3.6667/5	4.4/5	3.8/5
			e. Clearing of Doubts	2.5/5	4.125/5	3.6/5	3.6/5
			f. Interpersonal Relationship	2.6667/5	3.6667/5	4.4/5	4.2/5

13	Jayashree Tambad	Commerce		IV BCOM A- CA	IV BCOM B- CA	IV BBA-MKTG MGT	VI BCOM A-CM	VI BCOM B- CM -
			a. Knowledge	2.3913/5	2.6/5	3.7143/5	4.2/5	3.7273/5
			b. Presentation Skills	2.2174/5	1.6/5	3.3714/5	4/5	3.1818/5
			c. Curriculum Coverage	2.5217/5	1.8/5	3.6286/5	4.2/5	3.6364/5
			d. Motivation	1.7391/5	1.6/5	3.6/5	3.8/5	3.5455/5
			e. Clearing of Doubts	1.6522/5	1.6/5	3.5714/5	3.9/5	3/5
			f. Interpersonal Relationship	2.0435/5	2.4/5	3.4286/5	3.95/5	3.5/5

14	Savitha N L	Commerce		II BCOM A BLOP	II BCOM B- BLOP	IV BCOM A- EBA	IV BCOM B- EBA
			a. Knowledge	4.0625/5	4.2857/5	3.1304/5	4/5
			b. Presentation Skills	3.875/5	4.1429/5	3.2609/5	3.8/5
			c. Curriculum Coverage	3.9375/5	4.2143/5	3.4783/5	4.2/5
			d. Motivation	4.25/5	3.9286/5	2.5652/5	3.2/5
			e. Clearing of Doubts	4/5	3.7143/5	3/5	3.4/5
			f. Interpersonal Relationship	3.9375/5	3.6429/5	3.087/5	3.6/5
15	Kumar	Commerce		II BCOM A AFA	II BCOM B AFA	VI BCOM A- IT-II	VI BBA- IT
			a. Knowledge	4.9333/5	4.6667/5	4.3548/5	4.7222/5
			b. Presentation Skills	4.7333/5	4.6667/5	3.9032/5	4.5/5
			c. Curriculum Coverage	4.9333/5	4.7222/5	3.9355/5	4.5556/5
			d. Motivation	4.9333/5	4.6667/5	4/5	4.3333/5
			e. Clearing of Doubts	5/5	4.6111/5	4.2903/5	4.6111/5
			f. Interpersonal Relationship	4.6667/5	4.4444/5	4.2581/5	4.3333/5
16	Prathima R	Commerce		IV BCOM A- S&CM	IV BCOM B- S&CM	IV BBA- F M	VI BBA- S&CM
			a. Knowledge	4.5455/5	5/5	4.3125/5	4.5/5
			b. Presentation Skills	4.5909/5	4.8/5	4.0625/5	4.2/5
			c. Curriculum Coverage	4.4091/5	5/5	4.0313/5	3.8/5
			d. Motivation	4.0909/5	4.8/5	4/5	4/5
			e. Clearing of Doubts	4.4091/5	5/5	4.4063/5	3.0667/5
			f. Interpersonal Relationship	4.3636/5	5/5	3.75/5	3.9333/5

17	Grace J	Commerce		IV BCOM A- PEM	IV BCOM B- PEM	VI BCOM A- AUD	VI BCOM B- AUD	IV BBA- MKTG MGT	
			a. Knowledge	4.2727/5	2.4/5	4.0645/5	3.7222/5	3.7143/5	
			b. Presentation Skills	3.8636/5	2.4/5	4/5	3.5833/5	3.3714/5	
			c. Curriculum Coverage	4.3636/5	2.8/5	4.4839/5	3.8056/5	3.6286/5	
			d. Motivation	4.1364/5	2/5	4.1613/5	3.8056/5	3.6/5	
			e. Clearing of Doubts	3.9545/5	2/5	3.9355/5	3.6389/5	3.5714/5	
			f. Interpersonal Relationship	4.3182/5	3.2/5	4.5161/5	3.9444/5	3.4286/5	

18	Bhavya	Commerce		IV BCOM A- PD	IV BCOM B- PD	IV BBA- PD	VI BCOM A- IA&A	VI BCOM B- IA&A -	VI BBA- OC&D	IV BCA- PD -
			a. Knowledge	4.2857/5	4.2/5	3.6061/5	4.2308/5	4.1/5	4.25/5	4.3077/5
			b. Presentation Skills	4.0476/5	4/5	3.5758/5	3.7692/5	4.05/5	3.5/5	4.2821/5
			c. Curriculum Coverage	4.2857/5	4/5	3.4242/5	3.3846/5	3.8/5	3.5/5	4.3333/5
			d. Motivation	4.3333/5	4/5	3.2121/5	3.9231/5	4.3/5	4/5	4.2051/5
			e. Clearing of Doubts	4.2381/5	4/5	3.3636/5	3.9231/5	3.95/5	3.75/5	4.1026/5
			f. Interpersonal Relationship	4.381/5	4/5	3.2727/5	3.5385/5	4.5/5	4/5	4.5641/5

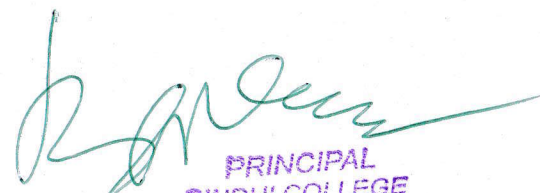
19	Sri Hari	Commerce		II BCOM B- RM	IV BBA- SM	VI BCOM A- SA&PM -	VI BCOM B- C&I -	VI BCOM B- SA&PM	VI BBA- - IF
			a. Knowledge	4.1538 /5	3.871/5	4.3636/5	3.6563/5	4.1818/5	4.1333/5
			b. Presentation Skills	4.2308 /5	3.3548/5	3.9091/5	3.4375/5	3.8636/5	3.6/5
			c. Curriculum Coverage	4.2308 /5	3.4516/5	4.0909/5	3.4375/5	3.9545/5	4.5333/5
			d. Motivation	3.5385 /5	3.0645/5	3.2727/5	3.0625/5	4.1364/5	3.3333/5
			e. Clearing of Doubts	3.4615 /5	3.0968/5	3.5455/5	3.0313/5	4/5	3.6667/5
			f. Interpersonal Relationship	3.6923 /5	2.9032/5	3.4545/5	3.1563/5	3.6818/5	3.8667/5

20	Vaidyesh MA	Management		II BBA - F.A/C	IV BBA- B&OP	VI BCOM A- C&I -	VI BBA- SM
			a. Knowledge	3.3333/5	4.5/5	4.5/5	4.6667/5
			b. Presentation Skills	2.9333/5	3.6765/5	3.7667/5	4.1667/5
			c. Curriculum Coverage	2.5/5	3.2941/5	3.6667/5	3.8889/5
			d. Motivation	3.1667/5	3.7647/5	3.7333/5	3.7778/5
			e. Clearing of Doubts	2.6333/5	3.7647/5	3.7/5	4.1111/5
			f. Interpersonal Relationship	2.5667/5	3.3824/5	3.2667/5	3.4444/5
21	Shashikala	Management		II BBA - OB	IV BBA- BRM	VI BBA- EB -	VI BBA- CM
			a. Knowledge	4.129/5	4.1818/5	4.0556/5	4.3333/5
			b. Presentation Skills	3.7742/5	3.8788/5	3.9444/5	4.1667/5
			c. Curriculum Coverage	3.7419/5	3.7879/5	4.1667/5	4.3333/5
			d. Motivation	3.9677/5	3.8788/5	4/5	3.6667/5
			e. Clearing of Doubts	3.7419/5	3.7273/5	3.8889/5	3.8333/5
			f. Interpersonal Relationship	3.5484/5	3.3636/5	3.8333/5	3.8333/5
22	Nandini S	Management		II BBA - POM	IV BBA- CA	VI BBA- IB	VI BBA- CM
			a. Knowledge	4.3226/5	3.0606/5	3.8889/5	4.3333/5
			b. Presentation Skills	4.1935/5	2.5455/5	3.8889/5	4.1667/5
			c. Curriculum Coverage	4/5	2.6061/5	3.9444/5	4.3333/5
			d. Motivation	4.129/5	2.6364/5	3.6667/5	3.6667/5
			e. Clearing of Doubts	4.1613/5	2.3636/5	3.6111/5	3.8333/5
			f. Interpersonal Relationship	4/5	2.2727/5	3.3889/5	3.8333/5

23	Kalavani	Computer Science		II BCA-DS	II BCA-DS (LAB)	II BSC-DS	IV BCA-VP(L)			
			a. Knowledge	4.25/5	4.2778/5	5/5	4.575/5			
			b. Presentation Skills	3.875/5	3.7778/5	4.7143/5	4.45/5			
			c. Curriculum Coverage	4.4583/5	4.1111/5	4.4286/5	4.5/5			
			d. Motivation	4.0833/5	4.0556/5	4.1429/5	4.45/5			
			e. Clearing of Doubts	4.1667/5	4.1667/5	4.8571/5	4.375/5			
			f. Interpersonal Relationship	4.3333/5	4.1111/5	4/5	4.475/5			
24	Priya Hari	Computer Science		II BCA-DBMS	II BCA-DBMS(LAB)	VI BCA-WP	VI BCA-WP(L)	VI BSC-WP	VI BSC-WP(L)	IV BCA-UNIX(L)
			a. Knowledge	4.76/5	4.7368/5	4.3182/5	4.1905/5	5/5	4.8/5	4.6154/5
			b. Presentation Skills	4.56/5	4.5789/5	4.2273/5	4.1905/5	5/5	5/5	4.5897/5
			c. Curriculum Coverage	4.52/5	4.2632/5	4.2273/5	4.1429/5	4.8/5	5/5	4.641/5
			d. Motivation	4.56/5	4.6842/5	4.3182/5	4.2381/5	5/5	5/5	4.5641/5
			e. Clearing of Doubts	4.64/5	4.7895/5	4.4545/5	4.381/5	5/5	5/5	4.5128/5
			f. Interpersonal Relationship	4.44/5	4.7368/5	4.3182/5		4.8/5	5/5	4.4872/5

25	Akilandeswari	Computer Science		II BCA-DS(LAB)	II BSC-ELECTRONICS	II BSC-ELECTRONICS (LAB)	VI BSC-CN	VI BSC-COM-II	VI BSC-COM-II(L)
			a. Knowledge	4.25/5	5/5	4.7143/5	4.8/5	4.8/5	4.8/5
			b. Presentation Skills	4.0833/5	5/5	4.7143/5	4.8/5	4.8/5	4.8/5
			c. Curriculum Coverage	3.9167/5	4.3333/5	4.7143/5	4.8/5	4.8/5	4.6/5
			d. Motivation	4.0833/5	4.5/5	4.4286/5	5/5	4.6/5	4.8/5
			e. Clearing of Doubts	4/5	5/5	4.7143/5	5/5	4.8/5	4.8/5
			f. Interpersonal Relationship	4.1667/5	4.1667/5	4/5	4.8/5	4.8/5	
26	Hemalatha	Computer Science		II BCA-DBMS(LAB)	VI BCA-CR	IV BCA-UNIX	IV BCA-VP(L)	IV BCA-UNIX(L)	
			a. Knowledge	3.9/5	4.6522/5	4.5714/5	4.6667/5	4.6154/5	
			b. Presentation Skills	3.6/5	4.4348/5	4.5/5	4.6061/5	4.5897/5	
			c. Curriculum Coverage	3.8/5	4.3478/5	4.4286/5	4.6061/5	4.6923/5	
			d. Motivation	3.8/5	4.3478/5	4.3571/5	4.0606/5	4.4103/5	
			e. Clearing of Doubts	3.5/5	4.3478/5	4.119/5	4.4545/5	4.5385/5	
			f. Interpersonal Relationship	3.2/5	4.087/5	4.2619/5	4.1212/5	4.6154/5	

27	Rashmi B	Computer Science		II BCA-DBMS(LA B)	II BSC-ELECTRONICS (LAB)	VI BSC-CN	VI BSC-MC	VI BSC-COM-II(L)	VI BSC-MC(L)
			a. Knowledge	3.9167/5	4.8/5	4.8/5	5/5	4.8/5	5/5
			b. Presentation Skills	4.1667/5	4.8/5	4.8/5	5/5	5/5	4.8/5
			c. Curriculum Coverage	3.75/5	4.6/5	5/5	4.8/5	4.8/5	4.8/5
			d. Motivation	4.0833/5	4.4/5	4.6/5	4.8/5	4.8/5	4.8/5
			e. Clearing of Doubts	3.9167/5	4.4/5	4.8/5	5/5	4.8/5	4.8/5
			f. Interpersonal Relationship	4/5	4.2/5	4.8/5	4.8/5	5/5	4.8/5
28	Mr. Prashath	Visiting Faculty		VI BCOM A-BT	VI BCOM B-BT -				
			a. Knowledge	4.95/5	4.65/5				
			b. Presentation Skills	4.85/5	4.3/5				
			c. Curriculum Coverage	4.3/5	4/5				
			d. Motivation	4.4/5	4.4/5				
			e. Clearing of Doubts	4.85/5	4.55/5				
			f. Interpersonal Relationship	4.55/5	3.9/5				
29	Radhika EK	Computer Science		VI BCA-SP	IV BCA-VP	IV BCA-VP(L)			
			a. Knowledge	4.4348/5	4.6429/5	4.8158/5			
			b. Presentation Skills	4.0435/5	4.5238/5	4.6842/5			
			c. Curriculum Coverage	4.2609/5	4.5238/5	4.6842/5			
			d. Motivation	4.3913/5	4.4762/5	4.6579/5			
			e. Clearing of Doubts	4.1304/5	4.4048/5	4.7632/5			
			f. Interpersonal Relationship	4.3478/5	4.7143/5	4.7895/5			


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6.5 Internal Quality Assurance System

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

List of Faculty Video Lectures - 2017 - 18

YEAR	Department	Faculty Name
2017 - 18	Computer Science & Electronics	Prof. E K Radhika
		Prof. Hemalatha R
		Prof. Kalaivani Y S
		Prof. Akilandeswari
	Mathematics	Prof. Roopa
		Prof. ChittyBabu
		Prof. Putul Dutta
	Commerce	Prof. Anil Kumar
		Prof. Jayashree
		Prof. Grace
		Prof. Prathima
		Prof. Savitha
		Prof. Kumar
		Prof. Srividya
	Hindi	Dr. Ranjana Pillai
		Dr. Giriraj Kumar
	Kannada	Prof. Kariyanna S
		Prof. Raju H S
	English	Dr. Padmavathy
		Prof. Nagarathna
	Sanskrit	Prof. Subrahmanya Bhat

[Signature]
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