

SEMESTER CLOSING REPORT

[SCR]

Course: CS409- Advanced Object Oriented Programming with Java

[7th Semester, CSE, B.E]

By

Mayur Patil

01-08-2014 to 02-12-2014

Computer Science & Engineering Department

SDM College of Engineering & Technology

Dharwad.

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SEMESTER CLOSING REPORT - SCR

Course: Advanced Object Oriented Programming with Java (Code: CS409)

Semester : 7	Division : A & B	Duration : 01-08-2014 to 02-12-2014
Course Teacher : Mayur Patil		Department : Computer Science and Engineering
No. of Classes held : 48 for A div and 40 for B div.		% of syllabus covered : 95%
Topics not covered and reasons : 1. JDBC with multiple databases Reasons: Students remained absent for below reasons: a. Placement drive during working days b. Few classes were missed because of bank-exams on working days c. Few labs/classes were missed because of bank-exams on Saturdays d. Students remained absent to prepare for TOEFL and other competitive exams e. Students were not interested in extra/ compensatory classes		
General Information / observations: 1. This course is better if moved to 5th or 6th semester, which are less loaded. Because in 7th semester, students need more time for their other important activities of the career. 2. Only few students are interested to learn new things. 3. Students are low in ethical values 4. Students miss-use the freedom 5. Only few students supported the motto of the course: <u>“Hands-ON=Mind’s ON”</u> <u>“Using Cloud IDE to develop Cloud and Mobile Applications”</u>		Recommendations for deletion from syllabus: 1. NIL 2. 3. 4. 5. Recommendations for addition to syllabus: 1. NIL 2. 3. 4.

PEOs and POs (Version 3.0)

Sl. No.	Description of PEOs
Organizational Vision: Competence Commitment and Team work	
I	To build technical competence by providing necessary background and foundation in Computer Science and Engineering domain, so that students are acceptable globally to industries, premier institutions of higher studies and research.
II	To create awareness of technological trends and tools to provide an experience of developing computing systems through development phases like: inception, elaboration, construction and transition, with higher quality and standards.
III	To prepare students to be committed citizen with social and professional concern.
IV	To prepare students to be independent lifelong learners.
V	To prepare students to demonstrate leadership qualities and managerial skills, thus contributing their knowledge globally at various levels of responsibilities in heterogeneous teams.
Sl. No.	Description of Program Outcomes
Graduates will demonstrate:	
A	Ability to Identify the requirements by analyzing the problem domain, to solve real life problems in computing systems, to address the engineering issues of both hardware and software through the fundamental engineering techniques of mathematics, logic and procedural approaches.
B	Ability to Conceptualize the new and innovative system requirements to build the quality systems in line with the technological/research trends.

C	Ability to Model and Design the systems / sub-systems (architecture/behavior), process and conduct experiments and interpret data using standards, tools, techniques and modern computational concepts / mathematical formulations.
D	Ability to Transform the system model to working system by constructing the deployable system using appropriate programming paradigm and the state-of-the-art technology.
E	Ability to Verify and validate the correctness of system using various testing and verification techniques and tools.
F	Ability to Manage: Product and process development processes, Team structuring and coordination, Estimation and costing, and Capability to address the issues of maintenance of the system both adaptive and corrective in nature to meet the quality requirements and standards.
G	Ability to Communicate effectively.
H	Ability to Engage in self-education by clearly understanding the value of life-long learning.
I	Ability to Demonstrate ethics and code of practice of both professional and social concern to be a socially and professionally a valuable citizen of the country contributing globally.
J	Ability to Understand the impact of contemporary engineering solutions and sustainable development in global, economic, environmental, and societal context to be a leader / an entrepreneur.

SYLLABUS COPY

**SDM College of Engineering & Technology, VII Semester B.E.
CS409 Advance Object Oriented Programming with Java (4-0-2) 4**

Course Learning Objectives:

CLO. 1. At the end of the course, the student should understand the basics of object oriented system design and development using features of java language which includes: Core and Advanced java language concepts like: database transactions, networking, RMI, Servlets, JSP and Beans.

Course Outcomes :

The following are the identified Course Outcomes (CO):

- CO. 1.** Knowledge of fundamental object oriented (OO) philosophy and concepts and modeling solution for a given problem description. (PO C, E; Strength of correlation CO PO is 2/12)
- CO. 2.** Capability to develop applications through CORE JAVA features like: Events, Exceptions, built-in java objects, Streams, Threads, Applets and Frames, AWT and Swings (PO C, E ; Strength of correlation CO PO is 2/12)
- CO. 3.** Knowledge and capability to develop applications through different type of database connectivity and storage & retrieval of information stored in multi-databases. (PO C, E; Strength of correlation CO PO is 2/12)
- CO. 4.** Knowledge and capability to develop applications using networking features of java language. (PO C, E; Strength of correlation CO PO is 2/12)
- CO. 5.** Knowledge and capability to develop applications using SERVLETS and JSP features of java language. (PO C, E; Strength of correlation CO PO is 2/12)
- CO. 6.** Knowledge and capability to develop Enterprise Applications using Enterprise Javabeans (PO C, E Strength of correlation CO PO is 2/12)

Prerequisites:

- i. Exposure to object oriented programming philosophy, concepts and practices.
- ii. Knowledge of basic features of Java.

Course Contents:

1) Review of Core Features of Java: Exceptions, Threads, Event Handling, Applets, Streams, Generics, Collections Framework, Utility Classes

20 Hrs.

2) Advanced Java- Part-1: Database Programming, Network Programming, and RMI. **16 Hrs**

3) Advanced Java- Part-2: Servlets, JSP and Javabeans. **16 Hrs**

Additional contents beyond the syllabi:

1. Case studies on real-time problem issues. (PO B,C,D,E)
2. Exposure to Software Tools and IDEs for Design & Implementation. (PO I.K).
3. Database transactions using multithreading. .(PO J)
4. JDBC connectivity to multiple DBMSs. (PO K).
5. Web application using contemporary technologies. (PO J)

- 1) [Herbert Schildt - Java - The Complete Reference 7th edition. Tata McGraw Hill,](#)
- 2) Jim Keogh- J2EE - The Complete Reference, Tata McGraw Hill, 2007.
- 3) Y. Daniel Liang- Introduction to JAVA Programming, 6th edition, Pearson
- 4) Stephanie Bodoff et al- The J2EE Tutorial, 2nd edition, Pearson Education, 2004.
- 5) Bryan Basham, Kathy Sierra & Bert Bates- Servlets and JSP, Head First Series- 2nd Edition, O'reilly Publication-2010.

References

- 1) [Java in 60 minutes a day](#)

CAT-1 Question Paper

USN:

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S. D. M. COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering**Continuous Assessment Test – 1**

Class	: Sem VII	Date:	11-9-2014
Course Title	: Advanced Object Oriented Programming	Duration:	1 Hr.
Course Code	: CS407	Max. Marks:	20
Course Instructor	: Mayur Patil		

Note: Q3 is compulsory. Answer anyone from Q1 and Q2.

Q1.

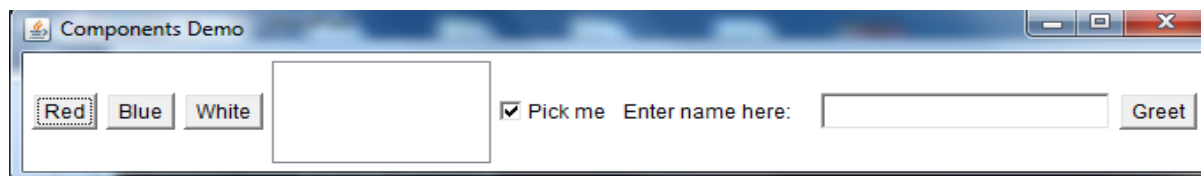
- a) Write a java program that simulates a deadlock in threads. (CO 1) **5M**
- b) Write a java program to implement a working simple calculator using AWT/ Swings (+,-,*,/).(CO 1,2) **5M**

Q2.

- a) Write an applet that runs in a browser and changes its background color when mouse is moved over it 4 quadrants. (CO 1,2) **5M**
- b) Write a java program to demonstrate chained exceptions. (CO 1) **5M**

Q3.

Write a java program that produces the following output when executed: (CO 1,2) **10M**



Note: List items are the days of a week; and are passed as command-line arguments to the program and on pressing the 'Greet' button, the application greets as - Hello, <entered name here>, its <selected day of the week>. eg. Hello, CSE, its Monday. On pressing any of buttons - Red/Green/White - respective colors as applied to background.

The following are the identified Course Outcomes (CO):

CO. 1. Knowledge of fundamental object oriented (OO) philosophy and concepts and modeling solution for a given problem description. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 2. Capability to develop applications through CORE JAVA features like: Events, Exceptions, built-in java objects, Streams, Threads, Applets and Frames, AWT and Swings (PO C, E ; Strength of correlation CO PO is 2/12)

CAT-1 MAMS

CAT-2 Question Paper

USN:

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S. D. M. COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering Continuous Assessment Test – 2

Class	: Sem VII	Date: 28-10-2014
Course Title	: Advanced Object Oriented Programming	Duration: 1 Hr.
Course Code	: CS407	Max. Marks: 20
Course Instructor	: Mayur Patil	Time: 9:00-10:00

Note: Q3 is compulsory. Answer anyone from Q1 and Q2.

Q1.

- a) Develop a *capitalizer server and client* application, illustrating two-way communication, in which multiple clients send in a string and server thread sends back the capitalized version of the string. **(CO 4) 10 M**

Q2.

- a) Enumerate CRUD operations using servlets and MySQL. **(CO 3) 6M**
- b) Write a jsp program that accepts the URL from the user and prints the following information :
- a) Request Method b) Response Code c) Response Message d) External Form
- e) All header information f) InetAddress g) Protocol h) Content-Type. **(CO 4,5) 4M**

Q3.

- a) Write a java program that makes use of datagram sockets. Clients sends information entered from user and server receives the sent information from client and displays it on the console (server port #998 and client port 999). **(CO 4) 6M**

- b) Write a java program that copies the contents of one file into another. Name of the files should be taken as command line arguments. **(CO 2) 4M**

Syllabus: Streams, JSP, Servlets, Database Programming, Network Programming

The following are the identified Course Outcomes (CO):

CO. 3. Knowledge and capability to develop applications through different type of database connectivity and storage & retrieval of information stored in multi-databases. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 4. Knowledge and capability to develop applications using networking features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 5. Knowledge and capability to develop applications using SERVLETS and JSP features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CAT-2 MAMS

CAT-3 Question Paper

USN:

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S. D. M. COLLEGE OF ENGINEERING & TECHNOLOGY

Department of Computer Science and Engineering
Continuous Assessment Test – 3

Class	: Sem VII	Date: 24-11-2014
Course Title	: Advanced Object Oriented Programming	Duration: 1 Hr.
Course Code	: CS407	Max. Marks: 20
Course Instructor	: Mayur Patil	Time: 12:30-1:30

Note: Q3 is compulsory. Answer anyone from Q1 and Q2.

Q1.

- a) Develop a bean class which has read-write property USN, Name, Mobile number and binds to the setText property of JTextField. **(CO 6, PO C,E) 6M**
- b) Demonstrate the use of XOR and AND operations using BitSet class. **(CO 1, PO C,E) 4M**

Q2.

- a) Demonstrate a simple generic class with two type parameters, which shows output as shown below: **(CO 1, PO C,E) 5M**
 - i. Type of T is java.lang.Integer
Type of T is java.lang.String
 - ii. Value: 88
Value: Generics
- b) Demonstrate the use of LinkedList with user defined objects. **(CO 1, PO C,E) 5M**

Q3.

- a) Demonstrate Remote Method Invocation (RMI) technology with necessary java programs, which returns an object containing addition, subtraction, multiplication, division results for the given numbers, passed as command line parameters. **(CO 4, PO C, E)**
10M

Syllabus: Utility/Generics/Collections/RMI/Beans

The following are the identified Course Outcomes (CO) and Program Outcomes (PO):

CO. 2. Capability to develop applications through CORE JAVA features like: Events, Exceptions, built-in java objects, Streams, Threads, Applets and Frames, AWT and Swings (PO C, E ; Strength of correlation CO PO is 2/12)

CO. 4. Knowledge and capability to develop applications using networking features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 6. Knowledge and capability to develop Enterprise Applications using Enterprise Javabeans (PO C, E Strength of correlation CO PO is 2/12)

PO C. An ability to design a system, component, or process to meet desired needs within realistic constraints such as economic, environmental, social, political, ethical, health and safety, manufacturability, and sustainability.

PO E. An ability to identify, formulate, and solve engineering problems.

[CAT-3 Question Paper](#)

ALL OTHER QUESTION PAPERS including ESE**ESE QP**

USN	2	S	D								
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SDM COLLEGE OF ENGINEERING & TECHNOLOGY, DHARWAD.

Department of Computer Science and Engineering
End-Semester-Examination, Dec 2014

Sub Code : CS407

Semester :7

Sub Title : Advanced Object Oriented Programming with Java

Duration : 3hrs

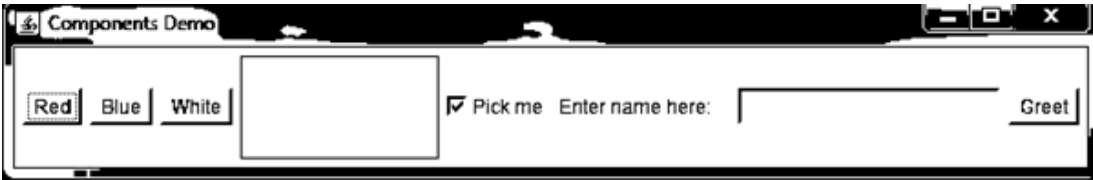
Max Marks :100

Note: Part A is compulsory, Answer any four from Part B.**PART-A**

Q1		10 Marks
i	The following try/catch block does not compile. Why? (CO 1,PO C,E) <pre>try{ }catch(Exception e) {}catch(RuntimeException r) {} </pre>	
ii	If you are going to perform I/O that involved working with the eight primitive data types and String objects, which I/O classes would you likely use ? (CO 1,PO C,E)	

iii	True or False: The following statement creates a Socket object in the memory that is not yet connected to the server, but can be connected by using the bind() method in the Socket class: Socket s = new Socket("server_name", 1090);(CO 5,PO C,E)																			
iv	True or False: I can write a server application that binds to port 80. (CO 5,PO C,E)																			
v	True or False: Multiple applications on a server can bind the same port and share it. (CO 5,PO C,E)																			
Match the following: (CO 1,3,5,PO C,E) <table border="1"> <thead> <tr> <th>No</th><th>Description</th><th>Concept</th></tr> </thead> <tbody> <tr> <td>vi</td><td>Try, Catch, Throw, Throws & Finally</td><td>Multithreading</td></tr> <tr> <td>vii</td><td>init(), service(), destroy()</td><td>Lifecycle of a thread</td></tr> <tr> <td>viii</td><td>terminated, runnable, wating</td><td>Lifecycle of an Applet</td></tr> <tr> <td>ix</td><td>Pause(), Stop(), resume(), Start(), Suspending()</td><td>Exceptions are abnormal conditions in a program,are handled by using five key words.</td></tr> <tr> <td>x</td><td>init(), start(), paint(), stop(), stop()</td><td>Lifecycle of a servlet</td></tr> </tbody> </table>		No	Description	Concept	vi	Try, Catch, Throw, Throws & Finally	Multithreading	vii	init(), service(), destroy()	Lifecycle of a thread	viii	terminated, runnable, wating	Lifecycle of an Applet	ix	Pause(), Stop(), resume(), Start(), Suspending()	Exceptions are abnormal conditions in a program,are handled by using five key words.	x	init(), start(), paint(), stop(), stop()	Lifecycle of a servlet	
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vi	Try, Catch, Throw, Throws & Finally	Multithreading																		
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ix	Pause(), Stop(), resume(), Start(), Suspending()	Exceptions are abnormal conditions in a program,are handled by using five key words.																		
x	init(), start(), paint(), stop(), stop()	Lifecycle of a servlet																		
Q2																				
a.	Of the following applet methods, which ones are invoked by the browser when the applet is first initialized, and in what order are they invoked ? (CO 2,PO C,E) 1. start() 2. init() 3. stop() 4. paint()	2 Marks																		

	5. destroy()	
b.	Suppose that you have java.sql.Statement object and you want to use it to execute a DELETE statement. Which of the following methods in Statement can be used to execute the DELETE statement ? Select all that apply.(CO 3,PO C,E) 1. execute (String sql) 2. executeUpdate(String sql) 3. executeQuery(String sql) 4. executeBatch() 5. runSQL(String sql)	2 Marks
c	What two classes are used for archiving and extracting JavaBeans in XML format? (CO 6,PO C,E)	2 Marks
d	List any 4 interfaces with descriptions of collection frame-work. (CO 1,PO C,E)	2 Marks
e	Mention any 2 frequently used methods of below mentioned java.util.*classes:(CO 1,PO C,E) 1. StringTokenizer 2. BitSet 3. GregorianCalendar 4. Currency	2 Marks
<u>PART-B</u>		
Q3		
a	With a JSP program to demonstrate the following values for a submitted URL: (CO 4,5,PO C,E) 1. Host 2. Filename 3. External Form 4. Expiration Date 5. Content Length 6. All inet-addresses 7. Response Code 8. Response Message 9. Header key and values	10 Marks

b	Jeopardy.jar contains all the files necessary to run the jeopardy application. Write the java command to execute this jar file. (CO 4,PO C,E)	2 Marks
c	Write a java code which demonstrates basic logical operations like AND,OR and XOR etc on java.util.BitSet (CO 1,PO C,E)	8 Marks
Q4		
a	Simulate database CRUD operations using command prompt and MySQL. (CO 3,PO C,E)	8 Marks
b	Write a java program that produces the following output when executed: (CO 1,2,PO C,E)	12 Marks
 Note: List items are the days of a week; and are passed as command-line arguments to the program and on pressing the 'Greet' button, the application greets as - Hello, <entered name here>, its <selected day of the week>. eg. Hello, CSE, its Monday. On pressing any of buttons - Red/Green/White - respective colors as applied to background.		
Q5		
a	Using servlets illustrate how to use session date, which encapsulates the date and time , when the page was last accessed. (CO 5,PO C,E)	7 Marks
b	Demonstrate a simple generic class with two type parameters, which shows output as shown below: (CO 1,PO C,E) Type of T is java.lang.Integer Type of T is java.lang.String Value: 88 Value: Generics	7 Marks

c	Using java.util.* package demonstrate the use of any one of the following:(CO 1,PO C,E) 1. ArrayList 2. HashSet 3. TreeSet 4. ArrayQueue	6 Marks
Q6		
a	Write a bean class Customer to demonstrate bound properties, which has 2 properties name/account-number, both of them bindable to other bean properties. Also enumerate the steps involved in executing this bean in bean-builder tool. (CO 6,PO C,E)	10 Marks
b	With a programming example demonstrate the basic operations on java.util.LinkedList. (CO 1,PO C,E)	6 Marks
c	Using an applet context, demonstrate getCodeBase(), and showDocument() to display an HTML file. (CO 2,PO C,E)	4 Marks
Q7		
a	Demonstrate <i>capitalization server application</i> . A server program which accepts requests from clients to capitalize strings. When clients connect, a new thread is started handle an interactive dialog in which the client sends in a string and the server thread sends back the capitalized version of the string.(CO 4,PO C,E)	15 Marks
b	With a programming example, demonstrate custom exceptions.(CO 1,PO C,E)	5 Marks

STUDENTS' DETAILS

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JAVA - CAT Marks, CS407, Aug-Dec, 2014 ☆

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Comments Share

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1		Classes Held-48	A Div - Theory CAT Marks - CS407, 7th Sem, CSE, SDMCET, Aug-Dec, 2014														
2	USN	Name	Attnd in #	Attnd in %	CAT-1	CAT-2	CAT-3	Best of 3	CTA(2)	CTA(2)	Spoken Test - Score in %	CTA (3)	CTA (1)	CTA (1)	CTA (1)	TOTAL CTA (10)	CAM (50)
23	2SD11CS023	Arjun Sahu	36	75	7	3	14	21	0	2	47.5	1	0	0	0	3	24
24	2SD11CS025	Ashish Kumar	36	75	10	4	12	22	0	2	47.5	1	1	0	0	4	26
25	2SD11CS028	Bhaskar Saurabh	32	67	4	10	15	25	0	2	52.5	2	0	0	0	4	29
26	2SD11CS029	Miss.Bhavya Kodlekere	46	96	11	12	16	28	1.5	2	62.5	2	1	0	0	7	35
27	2SD11CS030	Chandrashekar R Sadhani	42	88	16	0	13	29	0	2	57.5	2	0	0	0	4	33
28	2SD11CS032	Miss.Deepa Shivaram Hegde	46	96	11	15	14	29	1.5	2	65	2	1	0	0	7	36
29	2SD11CS033	Dilip D Jorammanavar	38	79	10	5	14	24	0	2	62.5	2	0	0	0	4	28
30	2SD11CS034	Miss.Gayatri G Shet	42	88	15	13	18	33	0	2	72.5	2	1	0	0	5	38
31	2SD11CS035	Gururaj Balwant Neelagund	40	83	13	5	18	31	2	2	77.5	2	0	0	0	6	37
32	2SD11CS036	Hegde Nidhi Krishna	38	79	12	0	14	26	0	2	50	2	0	0	0	4	30
33	2SD11CS037	Himanshu Kumar	38	79	0	10	14	24	0	2	75	2	0	0	0	4	28
34	2SD11CS038	Miss Jyoti Mote	38	79	8	7	16	24	0	2	35	1	0	0	0	3	27
35	2SD11CS039	Miss.Kakkuppi Rashmi	44	92	11	8	13	24	0	2	42.5	1	1	0	0	4	28
36	2SD11CS040	Karan N Patel	42	88	13	16	7	29	1.5	2	47.5	1	0	0	0	5	34
37	2SD11CS041	Kartik Uday Bande	44	92	10	6	14	24	0	2	65	2	1	0	0	5	29
38	2SD11CS042	Kashappa Hanchinal	46	96	10	10	16	26	1.5	2	52.7	2	0	0	0	6	32
39	2SD11CS043	Miss.Kavya Balihallimatta	46	96	14	11	18	32	0	2	55	2	1	0	0	5	37
40	2SD11CS046	Miss.Laxmi Holeppa Pujeri	40	83	9	14	17	31	1	2	67.5	2	0	0	0	5	36
41	2SD11CS047	Miss.Madhulika	44	92	12	13	16	29	1.5	2	77.5	2	0	0	0	6	35
42	2SD11CS048	Mahalingappa Mallappa Patil	44	92	12	0	18	30	1	2	57.5	2	0.5	0.5	0	6	36
43	2SD11CS049	Mahesh G. Ganiger	36	75	0	11	7	18	0	0	62.5	2	0	0	0	2	20

+ A - CAT Sheet B - CAT Sheet Lab Marks A-CAT-CO-PO 1 B-CAT-CO-PO Result Analysis CAT-1 CAT-2

JAVA - CAT Marks, CS407, Aug-Dec, 2014 ☆

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Comments Share

f_x | =SUM(H17,P17)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
1		Classes Held-48	A Div - Theory CAT Marks - CS407, 7th Sem, CSE, SDMCET, Aug-Dec, 2014															
2	USN	Name	Attnd in #	Attnd in %	CAT-1	CAT-2	CAT-3	Best of 3	CTA(2)	CTA(2)	Spoken Test - Score in %	CTA (3)	CTA (1)	CTA (1)	CTA (1)	TOTAL CTA (10)	CAM (50)	
47	2SD11CS053	Miss.Monica Hanchinamani	40	83	10	12	18	30	0	2	90	3	0	0	0	5	35	
48	2SD11CS054	Miss.Mrudula Math	42	88	6	9	14	23	0	2	0	0	0	0	0	2	25	
49	2SD11CS055	Nagaraj Murahari Rathod	36	75	12	8	16	28	1.5	2	52.5	2	1	0	0	7	35	
50	2SD11CS056	Nandan Kumar	38	79	7	13	15	28	0	2	0	0	1	0	0	3	31	
51	2SD11CS058	Miss Neha Narayan Rao	46	96	9	15	16	31	1.5	2	50	2	0.5	0	0	6	37	
52	2SD11CS060	Pavan D Deshpande	42	88	9	6	18	27	0	2	65	2	0	0	0	4	31	
53	2SD11CS061	Pradeep Laxminarayan Hegde	44	92	16	0	20	36	1.5	2	75	2	0	0	0	6	42	
54	2SD11CS062	Prajwal S Mastamardi	16	33	9	8	0	17	0	1	0	0	0	0	0	1	20	Pushed as to
55	2SD11CS063	Prameet Kumar	18	38	0	13	8	21	0	1	0	0	0	0	0	1	22	
56	2SD11CS064	Prasad K Saralaya	42	88	7	9	16	25	0	2	47.5	1	0	0	0	3	28	
57	2SD11CS065	Prasad Talebailkar	40	83	14	20	18	38	2	2	70	2	0	0	0	6	44	
58	2SD11CS067	Prathmesh Kumar Singh Cha	6	13	0	10	6	16	0	1	0	0	0	0	0	1	20	Pushed as to
59	2SD11CS070	Praveen H Pujar	42	88	18	13	17	35	1	2	75	2	1	1	1	8	43	
60	2SD11CS071	Miss.Prerana	42	88	9	0	15	24	0	2	40	1	0	0	0	3	27	
61	2SD11CS072	Raghavendra V Purohit	30	63	0	7	15	22	0	2	0	0	0	0	0	2	24	
62	2SD11CS073	Rahul Vaidya	24	50	0	3	0	3	0	0	50	2	0	0	0	2	5	
63	2SD11CS074	Rahul P Math	48	100	11	7	17	28	1.5	2	76.6	2	0	0	0	6	34	
64	2SD11CS080	Miss.Rhukeaya Soudagar	34	71	10	8	16	26	0	0	65.5	2	0	0	0	2	28	
65	2SD11CS088	Miss.Hegde Sanjana Niranjana	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
66	2SD11CS090	Shaheena Naz	40	83	0	10	16	26	0	2	65.5	2	0	0	0	4	30	
67	2SD11CS099	Shreekar.Uday.Puri	28	58	0	15	8	23	0	0	45	1	0	0	0	1	24	

+ A - CAT Sheet B - CAT Sheet Lab Marks A-CAT-CO-PO 1 B-CAT-CO-PO Result Analysis CAT-1 CAT-2

JAVA - CAT Marks, CS407, Aug-Dec, 2014 ☆

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fx | =SUM(H17,P17)

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
1		Classes Held-48	A Div - Theory CAT Marks - CS407, 7th Sem, CSE, SDMCET, Aug-Dec, 2014														
2	USN	Name	Attnd in #	Attnd in %	CAT-1	CAT-2	CAT-3	Best of 3	CTA(2)	CTA(2)	Spoken Test - Score in %	CTA (3)	CTA (1)	CTA (1)	CTA (1)	TOTAL CTA (10)	CAM (50)
67	2SD11CS099	Shreekar Uday Pujari	28	58	0	15	8	23	0	0	45	1	0	0	0	1	24
68	2SD11CS101	Miss.Shweta S Sirsakar	38	79	13	0	15	28	0	2	75	2	1	0	0	5	33
69	2SD11CS113	Miss.Supriya Krishamurthi	38	79	15	5	16	31	0	2	65	2	0	0	0	4	35
70	2SD11CS119	Miss.Vidya Parashar M	34	71	10	9	13	23	0	2	70	2	0	0	0	4	27
71	2SD11CS127	C.S.Maheshchandra	36	75	6	3	16	22	0	2	60	2	0	0	0.5	5	27
72	2SD12CS401	Amit Nakod	38	79	7	3	15	22	1	2	67.5	2	0	0	0	5	27
73	2SD12CS408	Katera Ananda	36	75	11	12	14	26	0	2	65	2	1	0	0	5	31
74	2SD12CS409	Krishna V Raikar	42	88	14	12	18	32	1	2	77.5	2	0	0	0	5	37
75	2SD07CS003	Ahmad F	8	17	0	12	12	24	0	1	0	0	0	0	0		24
76									Code Fest	mind-meister				GAE Hackathon			28.7123287
77																	
78																	
79																	
80																	
81																	
82																	
83																	
84																	
85																	

+ A - CAT Sheet B - CAT Sheet Lab Marks A-CAT-CO-PO 1 B-CAT-CO-PO Result Analysis CAT-1 CAT-2

JAVA - CAT Marks, CS407, Aug-Dec, 2014 ☆

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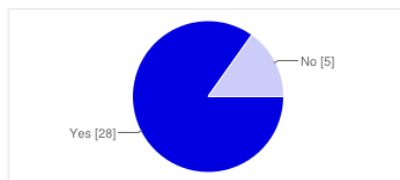
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R
1		Classes Held-40	B Div - Theory CAT Marks - CS407, 7th Sem, CSE, SDM CET, Aug-Dec, 2014															
2	USN	Name	Attd In #	Attd In %	CAT-1	CAT-2	CAT-3	Best of 3	CTA(2)	CTA(2)	Spoken Test - Score in %	CTA (3)	CTA (1)	CTA (1)	CTA (1)	Total CTA (10)	CAM (50)	
3	2sd07cs105	Sushruth Narayanaswamy	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	2SD10CS092	Shetye Sudhir Sabaji	30	75	0	9	9	18	1	0	55	1.65	0	0	0	3	21	
5	2SD11CS008	Abhishek V Deshpande	30	75	10	0	10	20	0	2	0	0	0.5	0	0	3	23	
6	2SD11CS026	Ashutosh Kulkarni	30	75	0	6	11	17	0	2	0	0	0.5	0	0	3	20	
7	2SD11CS027	Miss.Ashwini Kumari	28	70	15	4	16	31	0	2	40	1.2	1	0	0	5	36	
8	2SD11CS045	Kislay Kumar	24	60	0	18	14	32	0	2	80	2.4	0	0	0	5	37	
9	2SD11CS066	Miss.Pratibha T Kadiyavar	32	80	10	13	14	27	2	2	62.5	1.88	1	0	0	7	34	
10	2SD11CS068	Miss.Prathibha Shetty	34	85	11	20	19	39	2	2	60	1.8	1	0	0	7	46	
11	2SD11CS069	Miss.Pratima Prakash Malya	38	95	14	12	14	28	1	0	70	2.1	1	0	0	5	33	
12	2SD11CS076	Rajeev D Dabade	34	85	10	0	10	20	0	0	55	1.65	0	0	0	2	22	
13	2SD11CS077	Miss.Rakshita	34	85	16	17	16	33	1	2	65	1.95	1	0	0	6	39	
14	2SD11CS079	Miss.Rawat Ankita Bharatdas	32	80	13	11	8	24	0	2	55	1.65	1	0	0	5	29	
15	2SD11CS081	Rishab	32	80	5	9	13	22	0	1	60	1.8	0	0	0	3	25	
16	2SD11CS082	Rohit Anand Shivapur	34	85	10	10	13	23	0	2	42.5	1.28	0	0	0	4	27	
17	2SD11CS083	Sahana Tukaram Naik	34	85	14	10	15	29	1.5	2	72.5	2.18	1	0	0	7	36	
18	2SD11CS084	Miss.Sahana P M	40	100	14	20	17	37	2	2	65	1.95	1	0	0	7	44	
19	2SD11CS085	Sai Prasad Sagar	32	80	14	17	0	31	1.5	0	55	1.65	0	0	0	4	35	
20	2SD11CS086	S Sameer	32	80	10	0	7	17	0	0	65	1.95	0.5	0	0	3	20	
21	2SD11CS087	Miss.Sampada B Hadalagi	18	45	11	13	7	24	0	2	45	1.35	1	0	0	5	29	
22	2SD11CS089	Saurav Suman	34	85	0	8	15	23	0	0	0	0	0	0	0	0	23	

+ A - CAT Sheet B - CAT Sheet Lab Marks A-CAT-CO-PO 1 B-CAT-CO-PO Result Analysis CAT-1 CAT-2

Beyond the Syllabus Coverage and other Special Noteworthy activities related to the course.

Mode of conduction was unusual for Lab IA 1 and 2. Students reported there was active learning.

Today, did you LEARN anything NEW ?



Lab IA - 2:

Java lab IA - 2 was scheduled in regular lab from 18th Nov to 21st Nov, 2014.

Students were given with 3 problem definitions. They were allowed to refer the text-book pdf and discuss to solve any 2 problems. Marks splitting was, 10 marks if application is working. 7 marks for partial working. 5 marks if no error and no output and 3 marks if attempted. Students were asked to **self-evaluate their work** out of 20 and update the invigilator.

Observation: Many students want only marks and not the knowledge. Many students evaluated themselves near to 20.

Lab IA -1:

Please note these guidelines for LAB-IA-1:

- 1) You are free to bring any java book to the class-room
- 2) Get your laptop fully charged with required software
- 3) Get extension box if possible for charging your laptop
- 4) There are 5 sets of QP - A/B/C/D/E - You have to answer only 1 set
- 5) Each set contains 5 questions only
- 6) Total marks are 20 (18+2) only
- 7) You are free to discuss with your friends
- 8) Usage of internet is strictly discouraged

Marks splitting is as below:

- a) Proper documentation with appropriate comments, coding conventions in project/package/class/method/variable names - 1M
- b) No Compilation Errors - 1M
- c) Expected output in that machine - 1M
- d) Deploying on Cloud - 1M (To be done on Sunday,12th Oct)
- 10) Last date for submission of LAB-IA-1 URLs for JSP/Servlet/Applet/AWT and other web deployable applications is Monday, 18th, Oct, 2014 @ 10:30 AM. Use this [form to submit](#). [Click here for responses](#).
- 11) Your understanding on all these applications shall be evaluated via cloud IDEs in regular labs in coming week.
- 12) Those applications which are command prompt based, along with source code and relevant screen-shots with mac-address, share in Google docs and paste the URL in the above form.
- 14) For the question on applet with mysql, migrate to either jsp/servlet and deploy.

Sample Question:

Application development as per given requirements, which covers all the concepts discussed in syllabus. Ex: Scientific Calculator

Remaining work to be completed during (11th to 18th, Oct, 2014):

Deploy your applications on any Cloud IDEs like [c9.io](#), [ShiftEdit](#), [Codio](#), [Codenvy.com](#), [Codebox etc etc](#) and submit your [URL here](#) to get remaining 1 mark.

CTA Marks Distribution:

CTA-2: Java Codefest, 9th Aug, 2014 8-5PM, Room:21/22. (Attending java re-brushing session with code enhancement to 4th sem project) - [codefest](#).

Objectives:

- 1) Peer Learning
- 2) Re-brushing concepts learnt in 4th sem

CTA-2: Mind Map Work, Online and Collaborative work on CSE Vishwa Roopa -<http://www.mindmeister.com/420964575>

Objectives:

- 1) Encourage collaborative and online working habits
- 2) Encourage peer learning and team-work

CTA-3: Spoken Tutorial Certification on JAVA, 14th Aug, Thu, 2014 - <http://spoken-tutorial.org/software-training/test/4924/participant> - <http://mayur-patil.blogspot.in/2014/09/completed-spoken-tutorials-e.html>

Objectives:

- 1) Encourage Video/Audio mode ; Self-Paced learning style
- 2) Introduce online assessment by 3rd party - IITB

CTA-1: Simple Calculator on Cloud- GAE

Ex: 2.sd03is032.appspot.com (demo given) [Here is your work](#)

Objectives:

- 1) Introduce "hands-on = minds-on" assignments
- 2) Learn "what-to-copy and where-to-paste"
- 3) Use internet, discuss with friends to complete this task
- 4) Introduce Modern Cloud Based IDEs

CTA-1: Simple DB Application on GAE using CLOUD IDE - Codenvy.com and Datastore for CRUD operations.

Ex: 4.sd03is032.appspot.com (demo given)

CTA-1: Simple ANDROID DB Application on GAE using Codenvy.com and Datastore/Parse.com/MySQL for CRUD operations

Objectives:

- 1) Introduce "hands-on = minds-on" assignments
- 2) Learn "what-to-copy and where-to-paste"
- 3) Use internet, discuss with friends to complete this task

Details of Course Outcome Attainment

[Details are here](#)

COs	CAT-1		CAT-2		CAT-3		Average	
	SUPPORT	CONFIDENCE	SUPPORT	CONFIDENCE	SUPPORT	CONFIDENCE	SUPPORT	CONFIDENCE
1	48.02	84.41			56.95	88.77	52.49	86.59
2	59.67	83.63	85.01	91.535			72.34	87.59
3			63.87	76.14			63.87	76.14
4			35.41	71.88	99.27	99.26	67.34	85.57
5			66.69	75.87			66.69	75.87
6					25.74	47.22	25.74	47.22

Course Outcome listing.

At the end of the course, student should be able to:

CO. 1. Knowledge of fundamental object oriented (OO) philosophy and concepts and modeling solution for a given problem description. (PO C, E; Strength of correlation CO PO is 2/12).

CO. 2. Capability to develop applications through CORE JAVA features like: Events, Exceptions, built-in java objects, Streams, Threads, Applets and Frames, AWT and Swings (PO C, E ; Strength of correlation CO PO is 2/12)

CO. 3. Knowledge and capability to develop applications through different type of database connectivity and storage & retrieval of information stored in multi-databases. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 4. Knowledge and capability to develop applications using networking features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 5. Knowledge and capability to develop applications using SERVLETS and JSP features of java language. (PO C, E; Strength of correlation CO PO is 2/12)

CO. 6. Knowledge and capability to develop Enterprise Applications using Enterprise Javabeans (PO C, E Strength of correlation CO PO is 2/12)

RESULT ANALYSIS

**Unit used: Integer Number indicating number of students
Total No. of students in a class = 140

Grades	A & B Division			
	CAT1**	CAT2**	CAT3**	CAM**
S	2	8	19	3
A	15	20	59	15
B	38	25	46	68
C	47	29	14	35
D	18	26	9	10
E	3	22	1	12
F	31	32	9	14
Abs				
TOTAL	154	162	157	157

Detained List

Sl.No	USN	NAME	CAM Marks out of 50	Attendance out of:
1	2SD11CS004	Abhaykumar Badchikar	5	17%
2	2SD11CS020	Anveer S Kamshetty	15	63%
3	2SD11CS073	Rahul Vaidya	5	50%
4	2SD11CS099	Shreekar Uday Pujari	24	58%
5	2SD11CS124	Kandalgaonkar Vishal Shrikant	2	30%
As decided by Head-CSE, Prof. J V Vadavi.				

_[Roles and Responsibilities in the Department / Institution]

Sl. No	Nature and Description of the work	Dept./ Institute Level ?	Current Status
1	Alumni - Interaction.	Dept	Permission sought by HOD-CSE/TAPS to visit HRs. Waiting for apporval.
2	Final Year Project Demo	Dept	In Progress

JAVA - CAT Marks, CS407, Aug-Dec, 2014

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1			CAT - 1						CAT - 2						CAT - 3												
2	USN	Name	Q-1-a (5 M)	Q-1-b (5 M)	Q-2-a (5 M)	Q-2-b (5 M)	Q-3 (10 M)	Total (20)					Q-1-a (10 M)	Q-2-a (6 M)	Q-2-b (4 M)	Q-3-a (6 M)	Q-3-b (4 M)	Total (20)			Q-1-a (6 M)	Q-1-b (4 M)	Q-2-a (5 M)	Q-2-b (5 M)	Q-3 (10 M)	Total (20)	
27	2SD11CS030	Chandrashekar R Sadhani			5	3	7	16										0					5	2	6	13	
28	2SD11CS032	Miss.Deepa Shivaram Hegde		4			5	11						6	4	1	4	15			5	2			7	14	
29	2SD11CS033	Dilip D Jorammanavar			3		5	10						0	1		4	5					5	4	5	14	
30	2SD11CS034	Miss.Gayatri G Shet	5	3			6	15						6	3		4	13					5	5	8	18	
31	2SD11CS035	Gururaj Balwant Neelagund	3	3			7	13							2		3	5					5	3	10	18	
32	2SD11CS036	Hegde Nidhi Krishna			3		7	12										0					3	3	8	14	
33	2SD11CS037	Himanshu Kumar						0					10			0		10			4	3			7	14	
34	2SD11CS038	Miss Jyoti Mote				3	4	8						3	1		3	7			4	3	5	3	8	16	
35	2SD11CS039	Miss.Kakkuppi Rashmi			3	3	3	11						4	2		2	8			6				7	13	
36	2SD11CS040	Karan N Patel			5		7	13					10			4	2	16			3	4				7	
37	2SD11CS041	Kartik Uday Bande			3		4	10						3			3	6					5	5	4	14	
38	2SD11CS042	Kashappa Hanchinal		0		2	6	10						4	2		4	10			4	4	4	3	8	16	
39	2SD11CS043	Miss.Kavya Balihallimatta			5		7	14						5	3		3	11			6	4			8	18	
40	2SD11CS046	Miss.Laxmi Holeppa Pujeri		3			4	9						5	4	1	4	14			5	4			8	17	
41	2SD11CS047	Miss.Madhulika			2	3	5	12						6	3	1	3	13					5	3	8	16	
42	2SD11CS048	Mahalingappa Mallappa Patil			4		6	12										0			6	4	5	3	8	18	
43	2SD11CS049	Mahesh G Ganiger						0						4		4	3	11						3	4	7	
44	2SD11CS050	Miss.Megha Pralhad Narasapur		2			4	9						6			3	9					5	3	8	16	
45	2SD11CS051	Miss.Meghana S			2	2	4	10						3	2	3	0	8					5	3	7	15	
46	2SD11CS052	Miss.Meghana Shastri				4	5	11						5			4	9					4	3	8	15	
47	2SD11CS053	Miss.Monica Hanchinamani			2		8	10							3	5	4	12					5	5	8	18	
48	2SD11CS054	Miss.Mrudula Math			1		3	6						6	3			9					3	3	8	14	
49	2SD11CS055	Nagaraj Murahari Rathod		3			7	12						1	3		4	8				4	5	3	8	16	
50	2SD11CS056	Nandan Kumar					6	7					9			4		13					5	2	8	15	
51	2SD11CS058	Miss.Neha Narayan Das			2		4	6					5			6	4	15			4	4			8	16	

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A - CAT Sheet

B - CAT Sheet

Lab Marks

A-CAT-CO-PO

1 B-CAT-CO-PO

Result Analysis

CAT-1

CAT-2

CAT-3

CAM

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	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA
1			CAT - 1								CAT - 2								CAT - 3								
2	USN	Name	Q-1-a (5 M)	Q-1-b (5 M)	Q-2-a (5 M)	Q-2-b (5 M)	Q-3 (10 M)	Total (20)					Q-1-a (10 M)	Q-2-a (6 M)	Q-2-b (4 M)	Q-3-a (6 M)	Q-3-b (4 M)	Total (20)				Q-1-a (6 M)	Q-1-b (4 M)	Q-2-a (5 M)	Q-2-b (5 M)	Q-3 (10 M)	Total (20)
51	2SD11CS058	Miss Neha Narayan Rao			2		4	9					5			6	4	15				4	4			8	16
52	2SD11CS060	Pavan D Deshpande				1	6	9						2	2	1	1	6						5	5	8	18
53	2SD11CS061	Pradeep Laxminarayan Hegde			5	4	7	16										0						5	5	10	20
54	2SD11CS062	Prajwal S Mastamardi		3			6	9						3	3	0	2	8									0
55	2SD11CS063	Prameet Kumar						0					9			4		13							3	5	8
56	2SD11CS064	Prasad K Saralaya		2		2	3	7						5	0		4	9						5	3	8	16
57	2SD11CS065	Prasad Talebailkar			3	3	7	14						6	4	6	4	20				6	4			8	18
58	2SD11CS067	Prathmesh Kumar Singh Chauhan						0					9			1		10				3	2			1	6
59	2SD11CS070	Praveen H Pujar			4	5	9	18						5	1	4	3	13						4	5	8	17
60	2SD11CS071	Miss.Prerana			4		5	9										0						4	3	8	15
61	2SD11CS072	Raghavendra V Purohit						0						3	3	1		7						5	5	5	15
62	2SD11CS073	Rahul Vaidya						0									3	3									0
63	2SD11CS074	Rahul P Math	2	3			6	11							3		4	7						5	4	8	17
64	2SD11CS080	Miss.Rhukeaya Soudagar		4		4	6	10						2	3	1	2	8						5	3	8	16
65	2SD11CS088	Miss.Hegde Sanjana Niranjana						0										0									0
66	2SD11CS090	Shaheena Naz						0						5	0	5	0	10				5	4			7	16
67	2SD11CS099	Shreekar Uday Pujari						0					7			5	3	15					2			6	8
68	2SD11CS101	Miss.Shweta S Sirsikar	5	3			5	13										0						5	3	7	15
69	2SD11CS113	Miss.Supriya Krishnamurthi	3	4			8	15							2		3	5						5	3	8	16
70	2SD11CS119	Miss.Vidya Parashar M					8	10						5			4	9						2	3	8	13
71	2SD11CS127	C.S.Maheshchandra	2					6						2			1	3						5	3	8	16
72	2SD12CS401	Amit Nakod		6				7								1	2	3						5	5	5	15
73	2SD12CS408	Katera Ananda	1	2			6	11						1	3	6	2	12						3	3	8	14
74	2SD12CS409	Krishna V Raikar			3	4	6	14						5	3		4	12				6	3			9	18
75	2SD12CS402	Akshay E						0					0				4	12					4	5	2	4	12

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A - CAT Sheet

B - CAT Sheet

Lab Marks

A-CAT-CO-PO

1 B-CAT-CO-PO

Result Analysis

CAT-1

CAT-2

CAT-3

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CHANGE REQUEST FORM - General

Change Request in the Curriculum:

Sl. No	Existing Approach/ Item	Proposed New Item/ Change required	Justification
1	AOOP course in 7th sem	Better to move this course from 7th sem to 5th or 6th sem	Students are unable to make justice to this course as they are busy with other important activities of their career.
2	Placement during working days	Placement activity to be held during vacations only	Regular classes/labs are hampered.
3	Labs being given to bank exams	Modify the time-table accordingly to accommodate use of labs for bank exams.	Regular classes/labs are hampered.
4	Poor ranking/ management students	Get good ranking students or give full control of the students to faculty.	Not intersted in learning.

COs Attainment Measurement Sheet. (Part-2: CATs + ESE)

COs ↓	Attainments Through CATs		Attainment Through ESE		Average		Special Remarks if any
	Support	Confidence	Support	Confidence	Support	Confidence	
1	52.49	86.59	87.89	69.87	70.19	78.23	
2	72.34	87.59	82.5	75.11	77.42	81.35	
3	63.87	76.14	91.08	75.11	77.48	75.63	
4	67.34	85.57	54.47	59.58	60.91	72.58	
5	66.69	75.87	61.17	64.95	63.93	70.41	
6	25.74	47.22	83.49	48.88	54.62	48.05	

Note: Each cell entry (x, y) = (support , confidence) each expressed in %

POs Attainment Measurement Sheet- Based on CATs+ ESE

POs→			a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
COs ↓ Average (Attainments)																	
1	70.19	78.2 3			70.19, 78.23		70.19, 78.23										
2	77.42	81.3 5			77.42, 81.35		77.42, 81.35										
3	77.48	75.6 3			77.48, 75.63		77.48, 75.63										
4	60.91	72.5 8			60.91, 72.58		60.91, 72.58										
5	63.93	70.4 1			63.93, 70.41		63.93, 70.41										
6	54.62	48.0 5			54.62, 48.05		54.62, 48.05										
Attainment of POs (CAT + ESE)					67.43, 71.05		67.43, 71.05										

Note: Each cell entry (x, y) = (support, confidence) each expressed in %

Inference Drawn and Action Plan Sheet- Based on CATs+ ESE

Sl. No	Inference	Action Plan if any
1	Scores could be improved..	Better to move this course from 7th sem to 5th or 6th sem where they have enough time to study this course.
2	Placement during working days	Placement activity to be held during vacations only
3	Labs being given to bank exams	Modify the time-table accordingly to accommodate use of labs for bank exams.
4	Poor ranking/ management students	Get good ranking students or give full autonomy of the students to faculty.

PEOs (Internal Indirect) Attainment Measurement Sheet- Based on CATs+ ESE

POs→		a	b	c	d	e	f	g	h	i	j	k	l	m	n	o
PEOs ↓ Average of all applicable POs to this PEO																
1				67.43, 71.05		67.43, 71.05										
2				67.43, 71.05		67.43, 71.05										
3																
4																
5				67.43, 71.05		67.43, 71.05										

GRADE Wise STUDENTS' CLASSIFICATION- Based on Final Result

Sl. No	GRADE	No. of students	% of Students in this category
1	S : Distinction – Type-I- > 90 %	6	4.2
2	A : Distinction – Type -II - 80 % to 89 %	34	23.3
3	B : Distinction – Type -III -70% to 79%	61	41.8
4	C : First Class - 60% to 69%	21	14.4
5	D : Second Class- 50% to 59%	8	5.5
6	E : Pass Class - 40% to 49%	5	4.2
7	F : Failure- < 40%	2	1.4
8	ABSENT	6	5.5
TOTAL Number of Registered Students		146	

[Click here for details](#)**Name and Signature of:** (with date):

Faculty Member.

DUGC Member Secretary.

Program Coordinator

HOD

Dean Academic Programme

Principal