



Bharath

INSTITUTE OF HIGHER EDUCATION AND RESEARCH

(Declared as Deemed - to - be - University under section 3 of UGC Act 1956)



BHARATH INSTITUTE OF SCIENCE AND TECHNOLOGY

No. 173, Agharam Road, Selaiyur, Chennai, T.N - 600 073.

Requisition Letter

From
Dr. K.P.Kaliyamurthi,
Professor & Head,
Department of CSE,
Bharath Institute of Higher Education and Research,
Chennai

To
The Dean Engineering,
Bharath Institute of Higher Education and Research,
Chennai

Respected sir

Subject: Request of Permission to conduct a value added course on **“Oracle Database 11g:Implement Database value Release 2”** -Reg

With reference to above subject, I would like to bring to your kind notice that, our department interested to organize value added course on **“Oracle Database 11g:Implement Database value Release 2”** in our campus premises on **12/09/2021**.

52 students would be participating in this course. We request you kindly to give permission to organize this event.

Venue: **CSE Smart Room**

Timing : **9 am to 4.30 pm**

Submitted to Principal for approval to organize this value added course.

HOD/CSE

DEAN ENGINEERING

HEAD OF DEPARTMENT
Department of Computer Science & Engg.,
Bharath Institute of Higher Education & Research
(Declared as Deemed to be University U/S 3 of UGC Act, 1956)
Chennai-600 073. INDIA



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CIRCULAR

08.09.2021

The School of computing, Bharath Institute of Higher Education and Research is planned to conduct a certification value added course on **Oracle Database 11g: Implement database Vault Release 2** for the benefit of II, III and IV year students. This course is scheduled from 12.09.2021 for 30 hours which includes theory and practical. The timings are 1:30 PM to 4:30 PM

All Registered Students must attend all the classes without fail. The following faculty members are assigned to handle the course. S.NO	Name of the Faculty	Designation
1	Dr. G.Michael	Professor
2	Dr.C.Rajabhushanam	Professor


Head of Department

To

Copy to CSE

Copy to IT

HEAD OF DEPARTMENT
Department of Computer Sci.
Bharath Institute of Higher Education and Research
(Declared as Deemed-to-be University under section 3 of UGC Act 1956)
Phone: 041-607 6211, Fax: 041-607 6212

Engg.
Board
2021



Sharath

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CERTIFICATE COURSE ON ORACLE DATABASE 11G: IMPLEMENT DATABASE VAULT RELEASE 2

Date of Introduction of the Course: 12.09.2021

COURSE SYLLABUS

1. Introduction.

Database Vault elements and functionality, Component relationships

2. Overview of Database Vault

Database Vault example, Database Vault effects

3. Database Administrator

Database Vault Administration (DVA) -Reporting and monitoring -Database Vault API -Managing Database Vault databases using Enterprise Manager

4. Configuring Database Vault

Enabling Oracle Database Vault -Configuring an Oracle database for Database Vault - Database parameters altered during configuration -Logging into DVA

5. Database Vault Account

Database roles-Database Vault accounts-Database Vault schemas

6. Configuring Realms

Realms: Concepts-Creating and editing realms-Deleting realms-The realm algorithm- Examples of realms-Delivered realms-Realm views-Monitoring and reporting of realms

7. Defining Rule Sets

Rule sets: Concepts-Creating and editing rule sets-Deleting rule sets-Reusing rules- Auditing rule sets

8. Database Event Handlers

Custom event handlers-Using rule sets with realms-Rule set examples

9. Configuring Command Rules

Command Rules: Concepts-Creating and editing command Rules-Delivered command rules-DBA_DV_COMMAND_RULE view-Command rule report- Command rule API

10. Extending Rule Sets

Factors: Concepts-Factor scenarios-Creating and editing factors.

11. Managing factors

Identities: Concepts-Purpose of identities-Creating an identity-Managing identities

12. Configuring Secure Application Roles

Secure application roles: Concepts-Creating and editing secure application roles-Deleting secure application roles-Secure application roles: Examples-Managing secure application roles.

13. Viewing Database Vault Reports-1 and Viewing Database Vault Reports-2

Monitoring Database Vault - Configuration reports - Auditing reports - Security reports.

Object privilege reports-Accounts and roles reports-Privilege summary reports-System privileges reports

14. Implementing Best Practices

Identifying your security requirements-Suggested naming convention-Separation of duty best practices

15. Identifying your security requirements

Audit all violations-Connection pooling considerations-Enforcing connections from application server-Performance considerations.

COURSE OBJECTIVES

1. Identify the features and benefits of Oracle Database Vault
2. Install and Configure Oracle Database Vault Audit Database Vault activities
3. Configure Oracle Database Vault components (such as Realms, Identities, and Factors) to implement security
4. Use attributes such as time of day and IP address to determine users' privileges
5. Use the Database Vault administration browser interface
6. Use PL/SQL APIs to perform Database Vault functionality
7. Access Database Vault views to see security information
8. Incorporate best practices into database vault configuration


COURSE COORDINATOR


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CERTIFICATE COURSE ON ORACLE DATABASE 11G: IMPLEMENT DATABASE VAULT RELEASE 2

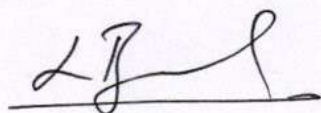
Date of Introduction of the Course: 12.09.2021

The timings are 1:30 PM to 4:30 PM

Time Table & Lesson plan

CLASS	DATE	TOPIC
1, 2	12.09.2021 (AN)	1. Introduction - Database Vault elements and functionality , Component relationships
3, 4	16.09.2021 (AN)	2. Overview of Database Vault - Database Vault example ,Database Vault effects
5, 6	17.09.2021 (FN)	3. Database Administrator - Database Vault Administration (DVA) -Reporting and monitoring - Database Vault API -Managing Database Vault databases using Enterprise Manager
7, 8	17.09.2021 (AN)	4. Configuring Database Vault - Enabling Oracle Database Vault -Configuring an Oracle database for Database Vault -Database parameters altered during configuration -Logging into DVA
9, 10	23.09.2021 (AN)	5. Database Vault Account - Database roles- Database Vault accounts-Database Vault schemas
11, 12	24.09.2021 (FN)	6. Configuring Realms - Realms: Concepts-Creating and editing realms-Deleting realms-The realm algorithm-Examples of realms-Delivered realms- Realm views-Monitoring and reporting of realms
13, 14	24.09.21 (AN)	7. Defining Rule Sets - Rule sets: Concepts-Creating and editing rule sets-Deleting rule sets-Reusing rules-Auditing rule sets
15, 16	30.09.2021 (AN)	8. Database Event Handlers - Custom event handlers-Using rule sets with realms-Rule set examples

17, 18	01.10.2021 (FN)	9. Configuring Command Rules - Command Rules: Concepts-Creating and editing command Rules-Delivered command rules-DBA_DV_COMMAND_RULE view-Command rule report-Command rule API.
19, 20	01.10.2021 (AN)	10. Extending Rule Sets - Factors: Concepts-Factor scenarios-Creating and editing factors.
21, 22	07.10.2021 (AN)	11. Managing factors - Identities: Concepts-Purpose of identities-Creating an identity-Managing identities
23, 24	08.10.2021 (FN)	12. Configuring Secure Application Roles - Secure application roles: Concepts-Creating and editing secure application roles-Deleting secure application roles-Secure application roles: Examples-Managing secure application roles.
25, 26	08.10.2021(AN)	13. Viewing Database Vault Reports-1 and Viewing Database Vault Reports-2 - Monitoring Database Vault-Configuration reports-Auditing reports-Security reports. Object privilege reports-Accounts and roles reports-Privilege summary reports-System privileges reports
27, 28	14.10.2021 (AN)	14. Implementing Best Practices - Identifying your security requirements-Suggested naming convention-Separation of duty best practices.
29, 30	15.10.2021 (FN)	15. Identifying your security requirements - Audit all violations-Connection pooling considerations-Enforcing connections from an application server-Performance considerations



COURSE COORDINATOR



HEAD OF THE DEPARTMENT

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 Department of Computer Science & Engg.,
 Bharath Institute of Higher Education & Research
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 Chennai-600 073, INDIA



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Certificate Courses on Oracle Database 11g: Implement Database Vault Release 2

Date of Introduction of the Course: 12.09.2021

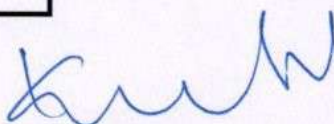
School of Computing

Registered Students Name List

S.NO	REG.NO	NAME OF THE STUDENT
1	U14CS166	SHAFAN HASIM.N
2	U14CS167	SHAIK AATIKA
3	U14CS168	SHAIK MEERA SHARIF
4	U14CS169	SHAIK YASMIN
5	U14CS170	SHANKAR KUMAR GUPTA
6	U14CS171	SHARSHI KANT PRASAD
7	U14CS056	GOUTHAM KALYAN KUMAR .R
8	U14CS057	GOVIND KUMAR
9	U14CS058	HARI TEJA.G
10	U14CS059	HARISH.V
11	U14CS060	JASIMKHAN.J.
12	U14CS061	JENNIFER.S
13	U14CS062	JERIPOTHULA SURESH GOUD
14	U14CS063	JOHN DALTON .H
15	U14CS064	K. LAKSHMIKANTH REDDY
16	U14CS065	K. LAKSHMI NARAYANA REDDY
17	U14CS111	NAGINENI SRIKANTH CHOWDARY
18	U14CS112	NAGIREDDY MOHAN KRISHNA REDDY
19	U14CS113	NALLAJARLA CHAKRADHAR
20	U14CS114	NANDALA SWETHA
21	U14CS115	NANDIPALLI MOUNICA
22	U14CS223	ARUN
23	U14CS226	SARAVANAN.B
24	U14CS227	I.SUKAPATLA AVINASH
25	U14CS237	CHARAN KUMAR
26	U14CS701	BALAJI

27	U14CS232	B.BALAKUMARAN
28	U14CS233	P.UPENDRA VARMA
29	U14CS236	M.RAVISANKAR
30	U15CS001	ABHIJEET KUMAR
31	U15CS002	ABHIJIT KUMAR GUPTA
32	U15CS003	ABHISHEK KUMAR SINGH
33	U15CS004	ALLU SAI SIVA PRIYANKA NAIDU
34	U15CS005	AMBIKE KUMAR SINGH
35	U15CS006	ANBUMANI S
36	U15CS007	ANJAR ALI
37	U15CS008	ANKAM MANJUNATH
38	U15CS009	ANNADI DHANUSH
39	U15CS011	ANUMOLU YESWANTH
40	U15CS064	INJE RAVI TEJA
41	U15CS065	INNURU SWATHI
42	U15CS066	JAGADEESH K
43	U15CS067	JAGADEESWARA RAO JADDU
44	U15CS068	JAICHAND KUMAR
45	U15CS069	JANAKI RAMAN V
46	U15CS071	JOHN PARAM JYOTHI JYOTHULA
47	U15CS073	K THULASIRAM
48	U15CS074	KADALI VINAYNARASIMHA
49	U15CS075	KADUMU MOUNIKA
50	U15CS191	SEETAPTI HEMA SEKHAR
51	U15CS192	SESHA SRUJAN.B
52	U15CS193	SHAIK AFRIDI


COURSE COORDINATOR


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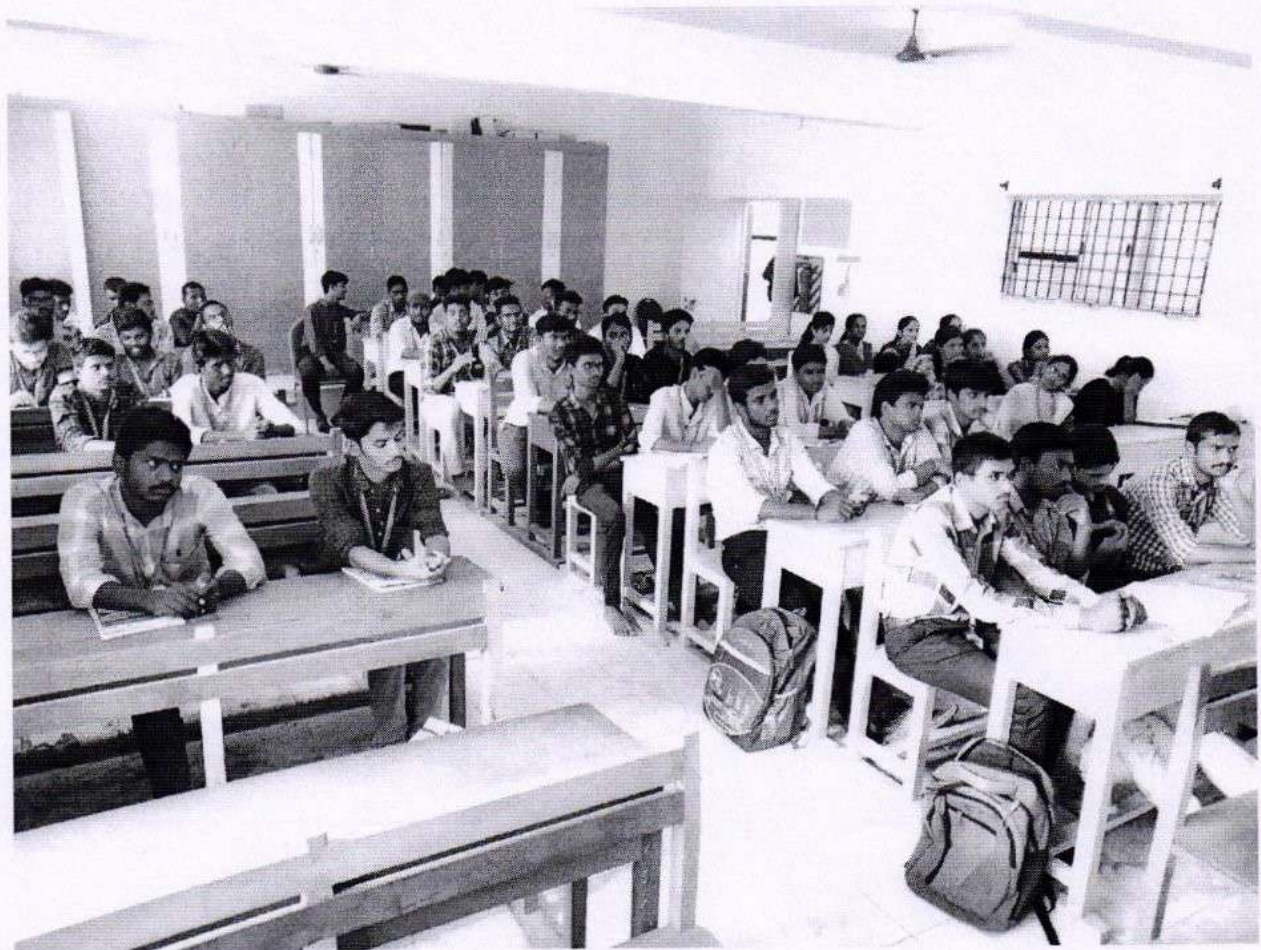


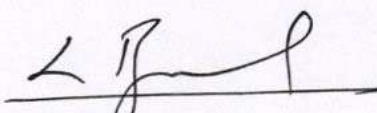
Bharath

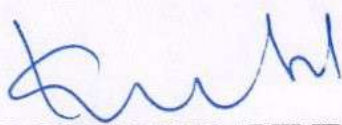
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CERTIFICATE COURSE ON ORACLE DATABASE 11g:IMPLEMENT DATABASE VAULT REALEASE 2




COURSE COORDINATOR


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CERTIFICATE OF PARTICIPATION

This certificate is presented to

ABDUL RAHIM.M

For actively participating in the value added course "Oracle Database 11g: Implement Database Vault Release 2

Conducted by School of Computing, BIHER from 12.09.2021 to 15.10.2021.


COURSE COORDINATORS


HEAD OF THE DEPARTMENT


DIRECTOR

COURSE FEEDBACK FORM

Academic Year		2021 -2022						
Term		odd sem						
Course Number								
Course Title		Oracle Database 11g : Implement Database Value Release 2						
Number of Credits								
Type of Course	Regular		Elective		Add-on	↪		
I. Information on the Respondent: (Tick (√) Appropriately)								
1. Percentage of classes attended								
0-20		20-40		40-60		60-80	↪	80-100
2. Number of hours per week spent on the course (Other than lecture hours)								
0-2		2-4		4-6	↪	6-8		8-10
3. Preparation for the course by the student:								
(i)	Have done part of this course earlier						yes	
(ii)	Has adequate prior exposure to the prerequisites						yes	
(iii)	Had to pickup relevant additional topics through concurrent study						yes	
(iv)	Have no exposure to the background material						yes	
4. The expectations for taking the course by the student are:								
(a)	Enhance by skill base in the area of specializations						yes	
(b)	Get exposed to a relevant subject						yes	
(c)	Curiosity						yes	
(d)	Better Employment Opportunity						yes	
(e)	Complete Course requirements						yes	
(f)	To Improve CGPA						yes	
About the Instructor: Information on the Respondent: (Tick (√) Appropriately)								
		A	B	C	D	E		
1.	Pace of the Teaching/lecture		↪					
2.	Comment of the Subject		↪					
3.	Clarity of expression		↪					
4.	Level of preparation		↪					
5.	Level of interaction		↪					
6.	Accessibility outside the class		↪					
7.	Others (please specify)		↪					
A: Excellent		B: Very Good		↪	D: Satisfactory		E: Poor	

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COURSE FEEDBACK FORM

Academic Year		2021-2022			
Term		odd sem			
Course Number					
Course Title		Oracle Database 11g - Implement Database Value Release 2			
Number of Credits					
Type of Course	Regular		Elective		Add-on <input checked="" type="checkbox"/>

I. Information on the Respondent: (Tick (✓) Appropriately)

1. Percentage of classes attended

0-20		20-40		40-60		60-80	<input checked="" type="checkbox"/>	80-100	
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2. Number of hours per week spent on the course (Other than lecture hours)

0-2		2-4		4-6		6-8	<input checked="" type="checkbox"/>	8-10	
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3. Preparation for the course by the student:

(i)	Have done part of this course earlier	yes
(ii)	Has adequate prior exposure to the prerequisites	yes
(iii)	Had to pickup relevant additional topics through concurrent study	yes
(iv)	Have no exposure to the background material	yes

4. The expectations for taking the course by the student are:

(a)	Enhance by skill base in the area of specializations	yes
(b)	Get exposed to a relevant subject	yes
(c)	Curiosity	yes
(d)	Better Employment Opportunity	yes
(e)	Complete Course requirements	yes
(f)	To Improve CGPA	yes

About the Instructor: Information on the Respondent: (Tick (✓) Appropriately)

		A	B	C	D	E
1.	Pace of the Teaching/lecture			<input checked="" type="checkbox"/>		
2.	Comment of the Subject			<input checked="" type="checkbox"/>		
3.	Clarity of expression			<input checked="" type="checkbox"/>		
4.	Level of preparation			<input checked="" type="checkbox"/>		
5.	Level of interaction			<input checked="" type="checkbox"/>		
6.	Accessibility outside the class			<input checked="" type="checkbox"/>		
7.	Others (please specify)			<input checked="" type="checkbox"/>		

A: Excellent		B: Very Good		C: Good	<input checked="" type="checkbox"/>	D: Satisfactory		E: Poor	
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