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IMPORTANT 11 OCT 2021

FACULTY OF
ENGINEERING & TECHNOLOGY

Department of
Computer Science
Engineering

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No.1 of 2014 as ~~passed~~ sed by State Legislature and recognized by UGC U/s 2(f))

Ref. No.: RU/Reg./2021/ | 5구
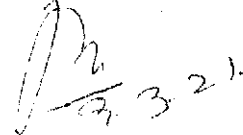
Office Order

To,

    The Dean,

    Faculty of Engineering & Technology

    Rama University

Dear Sir,

    With reference to your submitted proposal, Vice Chancellor has been pleased to accord permission to conduct a short-term certificate course on **"Become Data Expert with Oracle"** (as per course ordinance) subject to approval of Academic Council.

(Registrar)

Registrar
Rama University
Kanpur (U.P.)

Copy to: -
1. Secretary to Hon'ble Vice-Chancellor.
2. Director Sir
3. Dean Academic Affairs
4. Controller of Examinations
5. Deputy Registrar/Asst. Registrar
6. Guard File

2021-2022	FACULTY OF ENGINEERING AND TECHNOLOGY				w.e.f. : 10-Oct-2021
	Department of Computer Science & Engg.				
ODD SEM	Course: B. Tech.	Branch: CS	Sem: -- V		Room No. 03059
Duration	Five Week				
Period & Day	MON	TUE	WED	THU	FRI
OCT	04:10-05:00 pm	04:10-05:00 pm	04:10-05:00 pm	04:10-05:00 pm	04:10-05:00 pm

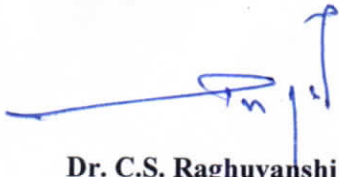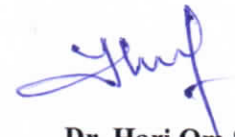| SUBJECT CODE/ SUBJECT NAME	FACULTY	ASIGNED PERIOD	Room No.
Become Data Expert with Oracle	Mr. Surbhit Shukla	5	3059

Dr. C. S. Raghuvanshi
Instructor

Dr. Hari Om Sharan
Dean (FET)

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

Department of Computer Science & Engineering
Result Analysis

Short term Course - Become Data Expert with Oracle

Sl. No.	Student Name	Score in Assesment 1	Score in Assesment 2	Project Grade
1	Alok Rathour	11	14	A
2	Amisha thakur	10	15	B
3	Anuj Singh	13	14	B
4	Bipin Agrahari	14	16	A+
5	Deepa Singh	12	14	B
6	Kamlendra Singh	14	17	A
7	Pawan Rathour	12	14	B
8	Pragya Pathak	13	13	B
9	Prakash Singh	11	14	B
11	Pranshu Katiyar	12	15	B
12	Preeti Sharma	13	16	A
13	Reshu Singh Bundela	11	14	B
14	Rishabh Savita	12	14	B
15	Ritu Raj Kashyap	12	15	A
16	Sankaip Dubey	13	17	A+
18	Shashwat Raghuvanshi	13	16	A
19	Shruti Subramanyam	14	15	A
20	Sumit Yadav	12	14	B

Dr. C.S. Raghuvanshi
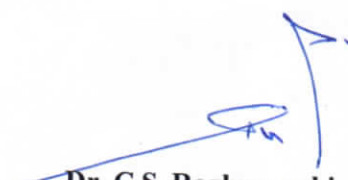Instructor

Dr. Hari Om Sharan
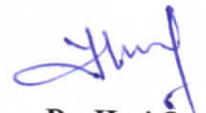Dean (FET)

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

Department of Computer Science & Engineering
Attendance Analysis % wise

Short of Course - Become Data Expert with Oracle

Sl. No.	Student Name	October (9)	November (15)	December (11)	Total Attendance (%)
1	Alok Rathour	65	71	75	70.33
2	Amisha thakur	68	65	70	67.67
3	Anuj Singh	65	72	74	70.33
4	Bipin Agrahari	71	75	70	72.00
5	Deepa Singh	65	72	85	74.00
6	Kamlendra Singh	65	75	85	75.00
7	Pawan Rathour	72	80	83	78.33
8	Pragya Pathak	72	75	85	77.33
9	Prakash Singh	72	66	71	69.67
11	Pranshu Katiyar	75	75	80	76.67
12	Preeti Sharma	70	80	71	73.67
13	Reshu Singh Bundela	73	74	75	74.00
14	Rishabh Savita	75	80	82	79.00
15	Ritu Raj Kashyap	75	75	75	75.00
16	Sankalp Dubey	79	65	75	73.00
18	Shashwat Raghuvanshi	80	70	76	75.33
19	Shruti Subramanyam	75	80	75	76.67
20	Sumit Yadav	80	65	80	75.00

Dr. C.S. Raghuvanshi
Instructor

Dr. Hari Om Sharan
Dean (FET)

Rama University, Uttar Pradesh, Kanpur

ORDINANCES
For
GOVERNING

CAREER ORIENTED SHORT
TERM COURSE

"Become Data Efficient with Oracle"

Offered by

Department of Computer Science and Engineering

Faculty of Engineering and Technology

GT Road, Near Mandhna Railway Station, Kanpur, U.P.

CONTENTS

Part: 1

ORDINANCES
For
GOVERNING

CAREER ORIENTED SHORT

TERM COURSE

"Become Data Efficient with Oracle"

I. General Provisions

1.   Academia and Industry gap has become the central point of discussion between academician and industrialist and stressing to fill this gap. Short term career oriented course plays a vital role in filling gap and enhancing career oriented skills in order to make students job ready.   Short term certificate course titled *"Become Data Efficient with Oracle"* offered by Department of Computer Science and Engineering, FET (Faculty of Engineering and Technology) Rama University Uttar Pradesh, Kanpur is of Six Weeks, and basically for the students or working professional that are having interest in this field or they want to build their career in the data driven technology. Now a day's every industry is driven by data and data drive technology as data is playing   significant and crucial role in decision making regarding marketing, manufacturing and quality assurance. In academics, research is fully driven by data and experiments. So everyone must known to basic of data handling and management tolls and software t become competent in today's world of data.   The program shall have the status of Add-on Skill Oriented Program under Career Oriented Sort Term Course.

2. The Certificate program shall have the status of "Short Term Courses" of Rama University Uttar Pradesh, Kanpur and shall be governed by the general rules of the Short Term Courses.

3. The intake to the Certificate Courses shall be 30, which may be increased to 60 (Two Batches) in due course of time by a resolution of the University.

4. The Program of study leading to Career Oriented Short Term Course (Certificate Program) of the Rama University Uttar Pradesh, Kanpur shall be conducted by the Department of Computer Science and Engineering under the Faculty of Engineering and Technology in the evening hours or during any such duration which would be appropriate.

5. The admission to Career Oriented Short Term Course (Certificate Program) shall be dealt with by the Dean, Faculty of Engineering and Technology. The last date for the receipt of the application form shall be fixed by the Dean of the Faculty.

6. The candidate seeking admission will have to apply on a prescribed format available from the University/ Faculty on payment of prescribed fee.

7. The candidate may be required to pay the processing fee as directed by the Faculty from time to time. No Application Form shall be considered for admission unless it is complete in all respects including attested copies of the photographs of the candidates containing his/her signature thereon and all necessary documents are attached thereto, such as:

a) Attested copies of mark-sheets of all the examinations passed;

b) Certificate from an appropriate authority certifying that the candidate belongs to Scheduled Caste/Scheduled Tribe/OBC or that the candidate is Physically Challenged.

8. The provisional admission to the Program shall be made in order of merit based or on the candidate's performance in TEST/GD/PI, and academic record.

9. The completed Application Forms for registration at Faculty of Engineering and Technology, Rama University Uttar Pradesh, Kanpur along with documents required under ordinance at above point 6 shall be sent to the Registrar.

10. Provisional admission cannot be claimed by any applicant as a matter of right. The provisional admission or readmission of an applicant shall be entirely at the discretion of the Admission Committee, which may refuse to admit any candidate without assigning any reason thereof.

11. Provisional admission will be made strictly on combined merit and availability of seats on the date of admission and the mere fact that call letter has been issued shall not entitle a candidate to claim admission.

12. The candidate granted provisional admission shall deposit fee within the period prescribed by the Admission Committee failing which, the admission shall stand cancelled.

13. Provisional admission of a candidate is liable to be cancelled at any time:

i) If it is detected that, there is something against the candidate which would have prevented him/her from being admitted to the Program.

ii) If the candidate is found at a later stage to have provided any false information, and /or

iii) If he/she has been punished for an act of gross misconduct, indiscipline or an act involving moral turpitude.

13. There shall be an Admission Committee for Career Oriented Short Term Course (Certificate Programs) admission, constituted under the provisions of ordinances and consisting of the Dean or his nominee. Admission shall be made in accordance with these ordinances and the rules made there under.

A. Eligibility:

i) The candidate seeking admission to Career Oriented Short Term Course must be completed 10+2 from any recognized board/Institute in any stream.

B. Intake & Reservations:

The intake to Career Oriented Short Term Course shall be 30. The reservation in admission shall be as per rules.

Reservations:

SC Candidates 15 % of the intake, ST Candidates 7.5% of the intake, PC Candidates 3% of the intake (on horizontal reservation basis) OBC Candidates 27% of the intake

(a)   The candidates seeking admission under the above categories must fulfill the minimum eligibility conditions and qualifying requirements.

(b)   The SC/ ST/OBC candidates must enclose attested copy of the caste certificate along with their Application Form stating that the candidate belongs to SC/ST/OBC Category.

The following are empowered to issue SC/ST/OBC Certificates:

(I) District magistrate/ Additional District Magistrate/ Collector/ Deputy Commissioner/ Addl. Deputy Commissioner/Deputy Collector /1st Class Stipendiary Magistrate/City Magistrate/Sub Divisional magistrate/ Taluka Magistrate/ Executive Magistrate /Extra Assistant Commissioner.
(ii) Chief Presidency Magistrate/ Addl. Chief Presidency Magistrate/ Presidency Magistrate.

(iii) Revenue Officer not below the rank of Tehsildar.

(iv) Sub-Divisional Officer of the area where the candidate and/or his family normally resides.
(v) Administrator/Secretary to the Administrator/ Development Officer (Lakshadweep Islands).
(vi) Candidate must note that certificate from any other person/authority shall not be accepted in any case.

(c)   3% seats on horizontal reservation basis shall be reserved for Physically Challenged Candidates (i) 1% for Visually Impaired (ii) 1% for Hearing Impaired (iii) 1% for Orthopedically Handicapped. In case no candidate is available in any of the above three sub-categories, the unfilled seats shall be filled by the candidates belonging to the remaining sub-categories.   /

A candidate applying under PC category must attach a certificate by CMO, District Hospital. However, he/she will be considered under PC category only after verification from the University Medical Board. Admit cards for admission shall be issued to such candidates only on production of the above-mentioned verification certificates from the Medical Board constituted by the University for the purpose.

(d)   Separate final merit list will be prepared for the candidates under each of the above categories.

(e) Vacant seats reserved for SC/ST/OBC candidates, if any, may be filled up as per rules.

B. Course Fee:

a) The Program will run as a Short Term Course of Study as prescribed under the Career Oriented Short Term Course (Certificate Programs) of Rama University Uttar Pradesh, Kanpur.

b) The Short Term Course fee may vary as per the course.

II. ADMISSION PROCEDURE

1. Admission to Career Oriented Short Term Course (Certificate Programs) shall be made in order of merit.

2. The admission process may be reviewed as per need from time to time.

III. CONDUCT OF THE COURSE

1. To qualify for the Career Oriented Short Term Course (Certificate Programs), the candidate must submit the assignments/projects as contained in the Course structure / syllabus detailed herein after.

2. The students shall be permitted to simultaneously pursue any one of the proposed program at a time along with their regular diploma/degree program.

IV. ATTENDANCE RULES

(a) A student is required to have full, i.e., 100%, attendance and exemption up to 25% can be considered for specific cogent reasons. Out of this 25%, only 10% exemption will be permitted without taking any application from the student. Rest 15% exemption may be given by the Dean. The cogent reasons for exemption are given below:

(i) Participation in NCC/NSC/NSS Camps duly supported by certificate.

(ii) Participation in University or College Team Games or Interstate or Inter University/ tournaments, duly supported by certificate from the Secretary of the University Sports Board or President of the College Athletic Association concerned.

(iii) Participation in Educational Excursions, which form a part of teaching in any subject conducted on working days duly certified by the Dean.

(iv) University Deputation for Youth Festival duly certified by the Dean.

(v) Prolonged illness duly certified by the Medical Officer or the Superintendent, Rama Hospital, Rama University or any other Registered Medical Practitioner, provided such certificate is submitted to the Dean, Faculty of Engineering and Technology in time.

(vi) No relaxation beyond 25% shall be considered in any case.

(b) The attendance of a newly admitted candidate shall be counted from the date of his/her admission, or date of beginning of classes whichever is later, while in the case of promoted candidates, attendance shall be counted from the date on which respective class begins.

(c) There shall be an Attendance Monitoring Committee in the Faculty under the Chairmanship of the Dean.

Part: 2

Course Detail

CAREER ORIENTED SHORT TERM COURSE

"Become Data Efficient with Oracle"

INSTRUCTOR:

- Dr. C. S. Raghuvanshi.
- Mr. Umesh Kumar Gera

ELIGIBILITY:

- Diploma, BCA, B.Sc.(CS) B.Tech., M.Sc. (CS), MCA, and M.Tech. Indian citizens residing in India

COURSEWARE:

- Course material is provided in printed / electronic form.

MODE:

- Offline Lecture and Practice.

EVALUATION SYSTEM:

- Based on the Assignments and Final Exam.

EMPLOYMENT OPPORTUNITY:

- A database developer is responsible for designing database for a particular organization.
- A database developer usually develops back-end components, connect the application with the database, and support the front-end developers by integrating their work with the application.
- Database developers accelerated career growth and increased pay packages due to Oracle.

TARGET AUDIENCE:

- The role is responsible for designing databases and applying backend constraints, from layout to function and according to a client's specifications.
- While many can legitimately claim to "know" Databse, those who are true experts in the databse are capable of producing software that is much more scalable, functional, robust, and maintainable. This guide offers a sampling of effective questions to help evaluate the breadth and depth of a candidate's mastery of database.

COURSE CONTENT

@ Week 1: Introduction

- Data
- Database
- Database Management System
- Advantage and Disadvantage of Database Management System
- Types of Database
- Components of Database Management System
- Data model
- Database Users
- Database Administration
- Database Architecture
- DMBS & RDBMS
- Normalization
- Codd Rule
- Assignment 1

@ Week2: SQL Basic

- Introduction of SQL
- Setting Up Oracle
- Creating a User or Database Account
- SQL Data Types
- Creating a Table and Inserting a Data
- Querying a Table
- Updating a Table
- Deleting a Data in Table
- Creating a Primary Key and Establishing a Relationship in Tables
- Applying a Constraint : User Constraints and System Constraints
- Assignment 2

@ Week3: Advance SQL Part 1

- AND/OR, IN, LIKE, HAVING Clause in SQL query
- Splitting data into related tables
- Join Related Table
- Altering Table after creation
- Computation Done on Table Data
- Oracle Function

RAMA UNIVERSITY UTTAR PRADESH, KANPUR

(vide U.P. Act No.1 of 2014 as passed by State Legislature and recognized by UGC U/s 2(f))

Registration Form for Short Term Courses "Become Data Efficient With Oracle"

Name of Student _____

Reg. No. _____ Aadhar No _____

Name of Course _____ Branch _____ Semester _____

Date of Birth _____ / ____ / _____ Date of Joining (Inst.) _____ / ____ / _____

Religion _____ Category _____ Reserved Category (Y/N) _____

Physically Handicapped (Y/N) _____ Econ Backward (Y/N) _____

Student Contact No. _____

Father's Name _____ Mother's Name _____

Contact No. (Father) _____

Educational Qualification: _____

Permanent Address _____

Name of Local Guardian _____

Contact No. _____

Local Address _____

Status of the Institute Fee/Dues _____

E-mail (Student) _____

Registration Date _____

Note : Attach photocopy of Aadhar Card, 10th Marksheet & Min Qualification Certificate

Signature of Applicant   **H.O.D**   **Account Officer**   **Program Coordinator**

REGISTRATION SLIP

Mr. /Ms _____ S/O/D/O _____

Course _____ Semester _____ Branch _____ RollNo. _____

Status of the Institute Fee/Dues _____

Has been registered on dated _____ session _____

Signature of Applicant   **H.O.D**   **Account Officer**   **Program Coordinator**

2058

Ser No

RAMA
UNIVERSITY

CERTIFICATE OF SHORT TERM COURSE

This is to certify that

Mr. / Ms. ___Bipin Agrahari___

has successfully completed more than 30 hours short term course on

___Become Data Expert With Oracle___

conducted from ___11 Oct 2021___ to ___24 Dec 2021___ in the department

of ___Computer Science & Engineering___ Faculty of ___Engineering & Technology___

Dean/Principal

Registrar/Controller of Examinations