

SRI VENKATESWARA UNIVERSITY
B.Sc. DEGREE COURSE IN CLOUD COMPUTING
III- SEMESTER
(Syllabus under CBCS w.e.f. 2021-22)

Application Development on Cloud Computing

Objective:

This subject will be exploring data structure with objects, fields, object relationships, security management, and communication templates.

Outcome:

After completing this subject the student would be having knowledge on developing an application through GUI.

UNIT-I

Creating Apps, Tabs, S Objects, Fields, Records, Data. Working on Salesforce.com Classic Interface.

UNIT-II

Working on Various Relationships – Self Relationship, Lookup Relationship, Master detail Relationship, Many to many Relationship, Rollup Summary Relationship, Hierarchical Relationship

UNIT –III

Working with Custom components, Principles of designing Salesforce.com Projects. Filtering Data through Validations of Master Data, Designing page layouts, Designing Search layouts, and Record Types.

UNIT –IV

Security Management – Data Security, Data Migration- Import Wizard/ Data Loader. Schema Security/User Security, Organization Security, Profiles, Roles, Queues, Public Groups, OWD Sharing Rules and Permission Sets.

UNIT-V

Communication Templates, Domain management, Working with Workflows & Approvals Process, Working with Process builder.

References :

Practical Salesforce.com Development Without Code by **Philip Weinmeister**.

Teach Yourself VISUALLY Salesforce.com by Justin Davis and Kristine Curing ton

RECOMMENDED CO-CURRICULAR ACTIVITIES:

(Co-curricular activities shall not promote copying from textbook or from others work and shall encourage self/independent and group learning)

A. Measurable

1. Assignments (in writing and doing forms on the aspects of syllabus content and outside the syllabus content. Shall be individual and challenging)
2. Student seminars (on topics of the syllabus and related aspects (individual activity))
3. Quiz (on topics where the content can be compiled by smaller aspects and data (Individuals or groups as teams))
4. Study projects (by very small groups of students on selected local real-time problems pertaining to syllabus or related areas. The individual participation and contribution of students shall be ensured (team activity))

B. General

1. Group Discussion
2. Try to solve MCQ's available online.
3. Others

RECOMMENDED CONTINUOUS ASSESSMENT METHODS:

Some of the following suggested assessment methodologies could be adopted;

1. The oral and written examinations (Scheduled and surprise tests),
2. Closed-book and open-book tests,
3. Problem-solving exercises,
4. Practical assignments and laboratory reports,
5. Individual and group project reports.
6. Efficient delivery using seminar presentations,
7. Viva voce interviews.
8. Computerized adaptive testing, literature surveys and evaluations,
9. Peers and self-assessment, outputs form individual and collaborative work

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Cloud based Application Development Lab

1. How to Create Model?
2. How to Create Apps?
3. How to create Tabs?
4. How to create Subjects?
5. How to create Field?
6. How to create Records?
7. How to create Validation rules?
8. How to create page layouts?
9. How to create Record Types?
10. How to create Users?
11. How to create Roles?
12. How to create Public Groups?
13. How to create Queues?
14. How to create Sharing Rules?
15. How to create Workflows?
16. How to create Process Builder Automations?
17. How to use Approval Process?