

Model Program Book



SEMESTER INTERNSHIP

Designed & Developed by



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A STATUTORY BODY OF GOVERNMENT OF ANDHRA PRADESH)



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PROGRAM BOOK FOR

Name of the Student: K. Raja Sekhar

Name of the College: GTDC Rajampet

Registration Number: 224030066035

Period of Internship: Long From: 16-12-2024 To: 14-4-2025
Term

Name & Address of the Intern Organization

Yogi Berra **University**
YEAR

An Internship Report on

Full Stack python

(Title of the Semester Internship Program)

Submitted in accordance with the requirement for the degree of

B.com(C.A)

Under the Faculty Guideship of

K. Sekhar Babu

(Name of the Faculty Guide)

Department of B.com(C.A)

Government Degree College

(Name of the College)

Rajampet

Submitted by:

K. Raja Sekhar

(Name of the Student)

Reg.No: 224030066035

Department of B.com(C.A)

G.D.C Rajampet

(Name of the College)

Page No/

Instructions to Students

Please read the detailed Guidelines on Internship hosted on the website of AP State Council of Higher Education <https://apsche.ap.gov.in>

1. It is mandatory for all the students to complete Semester internship either in V Semester or in VI Semester.
2. Every student should identify the organization for internship in consultation with the College Principal/the authorized person nominated by the Principal.
3. Report to the intern organization as per the schedule given by the College. You must make your own arrangements for transportation to reach the organization.
4. You should maintain punctuality in attending the internship. Daily attendance is compulsory.
5. You are expected to learn about the organization, policies, procedures, and processes by interacting with the people working in the organization and by consulting the supervisor attached to the interns.
6. While you are attending the internship, follow the rules and regulations of the intern organization.
7. While in the intern organization, always wear your College Identity Card.
8. If your College has a prescribed dress as uniform, wear the uniform daily, as you attend to your assigned duties.
9. You will be assigned a Faculty Guide from your College. He/She will be creating a WhatsApp group with your fellow interns. Post your daily activity done and/or any difficulty you encounter during the internship.
10. Identify five or more learning objectives in consultation with your Faculty Guide. These learning objectives can address:
 - a. Data and Information you are expected to collect about the organization and/or industry.
 - b. Job Skills you are expected to acquire.
 - c. Development of professional competencies that lead to future career success.
11. Practice professional communication skills with team members, co-interns, and your supervisor. This includes expressing thoughts and ideas effectively through oral, written, and non-verbal communication, and utilizing listening skills.
12. Be aware of the communication culture in your work environment. Follow up and communicate regularly with your supervisor to provide updates on your progress with work assignments.

13. Never be hesitant to ask questions to make sure you fully understand what you need to do your work and to contribute to the organization.
14. Be regular in filling up your Program Book. It shall be filled up in your own handwriting. Add additional sheets wherever necessary.
15. At the end of internship, you shall be evaluated by your Supervisor of the intern organization.
16. There shall also be evaluation at the end of the internship by the Faculty Guide and the Principal.
17. Do not meddle with the instruments/equipment you work with.
18. Ensure that you do not cause any disturbance to the regular activities of the intern organization.
19. Be cordial but not too intimate with the employees of the intern organization and your fellow interns.
20. You should understand that during the internship programme, you are the ambassador of your College, and your behavior during the internship programme is of utmost importance.
21. If you are involved in any discipline related issues, you will be withdrawn from the internship programme immediately and disciplinary action shall be initiated.
22. Do not forget to keep up your family pride and prestige of your College.

-----<<@>>-----

Student's Declaration

I, K. Raja Sekhar a student of B.com (C.A)
Program, Reg. No. 224030066035 of the Department of B.com (C.A)
College do hereby declare that I have completed the mandatory internship
from 16.12.2024 to 14.4.2025 in Karthika ^{solution} (Name of
the intern organization) under the Faculty Guideship of
K. Sekhar Babu (Name of the Faculty Guide), Department of
Govt. degree college Rajampet
(Name of the College)

K. Rajasekhar
(Signature and Date)

Official Certification

This is to certify that K. Rajasekhar (Name of the student) Reg. No. 22403006603 has completed his/her Internship in Karthikeya solutions (Name of the Intern Organization) on Full Stack python (Title of the Internship) under my supervision as a part of partial fulfillment of the requirement for the Degree of B.com CCA in the Department of Govt degree college (Name of the College).

This is accepted for evaluation.



(Signatory with Date and Seal)

Endorsements

Faculty Guide

(Signature)
(Rajasekhar)

Head of the Department

(Signature)

B. Purushotham
Principal

Certificate from Intern Organization

This is to certify that K. Rajasekhav (Name of the intern)
Reg. No 22403006603 of Grove Degree College (Name of the
College) underwent internship in Karthikeya Software Solutions (Name of the
Intern Organization) from 16-12-2024 to 14/4/2025

The overall performance of the intern during his/her internship is found to be
Good (Satisfactory/Not Satisfactory).



Authorized Signatory with Date and Seal



karthikeya
SOFTWARE SOLUTIONS Pvt. Ltd.
Creation, Innovation & Implementation



CERTIFICATE

_____ of Completion _____

This is to certify that Ms/Mr **KATTI RAJA SEKHAR**
Roll/Reg. Number **224030066035** SEMESTER/GROUP **BCOM [CA] - VI SEMESTER**
UNDER **GOVERNMENT DEGREE COLLEGE - RAJAMPETA**
of **YOGI VEMANA UNIVERSITY - YSR KADAPA** successfully completed
Long-Term Internship for 360 hours on **FULL STACK PYTHON DEVELOPMENT** Organized
by **KARTHIKEYA SOFTWARE SOLUTIONS PRIVATE LIMITED, TIRUPATHI** In collaboration
with **ANDHRA PRADESH STATE COUNCIL OF HIGHER EDUCATION, GUNTUR.**

DATE : 14-04-2025

PLACE : TIRUPATI

Mrs. B. Thejaswi

Managing Director & Chief Coordinator

CERTIFICATE ID: KSSPL-PL-2025-03368

Verify this Certificate @ <https://www.karthikeyasolutions.com/PL-2025-224030066035>

PAN: AAHCK7125N :: TAN: HYDK10842G :: RC NO: U72900AP2019PTC112391



SCAN ME



Acknowledgements

I would like to express my deep sense of gratitude to our respected principal Dr. Purushotham which provide all facilities to us.

It is with immense pleasure that would like to express our indebted gratitude to our internship coordinator who is guided us a lot and encouraged us in every step of the project works his moral support and guidance through the ~~intern~~ project help us to a greater extent ~~encouraging~~ all the for inspiring us all the way and for encouraging all the facilities and resources needed for our project

We wish to thank our sciatha madam dept of Zoology for her support and suggestion during our

project work our sir sukumar sir
and sreekanth sir.

we are thankful to Govt Polytechnic
college management for providing
all the facilities in time to us for
completion to our project.

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CHAPTER 1: EXECUTIVE SUMMARY

The internship report shall have a brief executive summary. It shall include five or more Learning Objectives and Outcomes achieved, a brief description of the sector of business and intern organization and summary of all the activities done by the intern during the period.

Learning objectives:

Learning objectives for python full stack development typically include mastering various technologies and concepts related to both front-end and back-end development. Here are some common learning objectives for python full stack development.

→ Programming Fundamentals: - understood the core principles of python programming including data variables, data types, control structures, loops, arrays, and object oriented programming concepts.

→ Front-End development: - Learn HTML, CSS and Bootstrap for creating interactive and responsive user interfaces.

→ Back-End development: - understood database concepts, design and implementation using SQL, learn about relational database management systems (RDBMS) like MySQL.

→ Database management: - Gain proficiency in programming with python using frameworks like Django building robust and scalable applications.

→ Soft Skills: - Develop effective communication skills, team work, problem solving abilities, time management, and a mindset for continuous learning and improvement.

→ Testing and debugging: - learn testing frameworks

and techniques for writing unit tests, and end to end tests to ensure the reliability and quality of code. Develop skills in debugging and troubleshooting code issues.

Outcomes Achieved:

As a python full stack developer I have achieved proficiency in front-end technologies like HTML, CSS, and Bootstrap frameworks for creating interactive user interfaces. Additionally, I have mastered back-end development using python Django, and RESTful API design for efficient data processing and seamless communication between client and server. I can proficiently manage databases (MySQL) I am capable of building and deploying scalable web applications, contributing effectively to agile team and driving innovation.

I understood best practices in website and web application development including coding standards, performance optimization, and accessibility considerations.

Description of the sector of business:

M/S KARTHIKEYA SOFTWARE SOLUTIONS PRIVATE LIMITED is a leading IT firm based in Tirupati, Andhra Pradesh, India. The company was established with the aim of providing high-quality and innovative IT solutions to business of all sizes, across various industries. It provides services like website designing, web application development, graphic designing, mobile app development, digital marketing and internship programme to students website url: <https://www.karthikeyasolutions.com>

CHAPTER 2: OVERVIEW OF THE ORGANIZATION

Suggestive contents

- A. Introduction of the Organization
- B. Vision, Mission, and Values of the Organization
- C. Policy of the Organization, in relation to the intern role
- D. Organizational Structure
- E. Roles and responsibilities of the employees in which the intern is placed.
- F. Performance of the Organization in terms of turnover, profits, market reach and market value.
- G. Future Plans of the Organization.

M/S KARTHIKEYA SOFTWARE SOLUTIONS PRIVATE LIMITED is a leading IT firm based in Tirupati, Andhra Pradesh, India. The company was established with the aim of providing high quality and innovative IT solutions to businesses of all sizes, across various industries. It provides services like website designing, web application development, graphic designing, mobile APP development, digital marketing and internship program to students.

values: Innovation, quality, customer-centricity, integrity, continuous improvement, Global Excellence, and Empowered Teamwork.

mission: To provide high-quality, tailor-made IT solutions that empower business to thrive by enhancing efficiency, achieving goals and fostering enduring client relationships through exceptional service.

Vision: To be a globally recognized IT Solutions leader. Reowned for excellence innovation and unwavering customer satisfaction while expanding our reach and delivering top-notch services world wide.

C. We are dedicated to offering interns valuable learning experiences, hands on training and mentorship to develop their skills fostering a nurturing and inclusive environment that encourages growth and professional advancement.

D. Our organizational structure is designed for efficiency and collaboration, featuring well-defined roles, clear hierarchies and open communication channels, enabling seamless coordination among teams to deliver exceptional IT solutions and services.

E. Employees in the intern's placement ensure mentoring, guidance, and hands-on learning opportunities. They collaborate with interns on projects, provide feedback, and support skill development to contribute effectively to the organization.

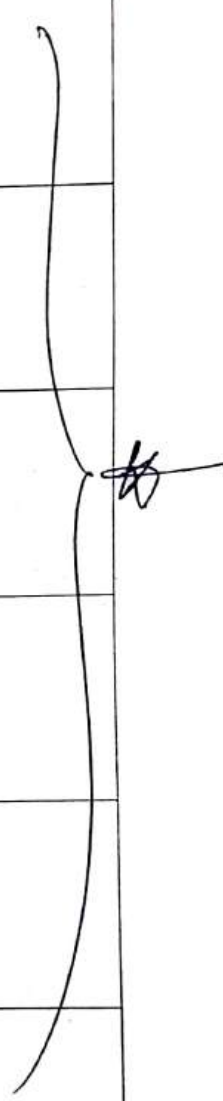
F. As of latest available data, KARTHIKEYA SOFTWARE SOLUTIONS PRIVATE LIMITED has shown impressive growth with increasing turnover, profits, and market reach.

CHAPTER 3: INTERNSHIP PART

Description of the Activities/Responsibilities in the Intern Organization during Internship, which shall include - details of working conditions, weekly work schedule, equipment used, and tasks performed. This part could end by reflecting on what kind of skills the intern acquired.

During the internship at M/S KARTHIKEYA SOFTWARE SOLUTIONS PRIVATE LIMITED, the intern worked in a collaborative office environment with flexible working hours, the weekly schedule involved a mix of individual tasks and team meetings to discuss progress and plan strategies. The intern utilized computers, software tools and communication platforms for media outreach, content creation and event coordination.

ACTIVITY LOG FOR THE FIRST WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to media Elements and Redirection Elements	I understand the media element and redirection element. i.e anchor tag	
Day -2	practice on the media elements and redirection elements	I practiced media and anchor tags	
Day -3	Introduction to table elements	I learned the table element and rowspan, colspan	
Day -4	practice on the table elements	I practiced the media employee tables with different rows and column merging	
Day -5	Introduction to other important elements i.e <div>, <section>, <link>, <style> & <script>	I understand the importance of these elements	
Day -6	practice on the HTML Elements	I practiced the HTML Elements	

WEEKLY REPORT
WEEK - 1 (From Dt. 29-1-24 to Dt. 3-1-25)

Objective of the Activity Done: Introduction to media Elements.

Detailed Report:

Audio Tag:

HTML audio tag is used to define sounds such as music and other audio clips.

<audio controls>

<source src="kora.mp3" type="audio/mp3">

</audio>

Video Tag:

The HTML video tag is used for streaming video files such as a movie clip, song clip on the web page.

<video controls>

<source src="movie.mp4" type="video/mp4">

your browser does not support the html

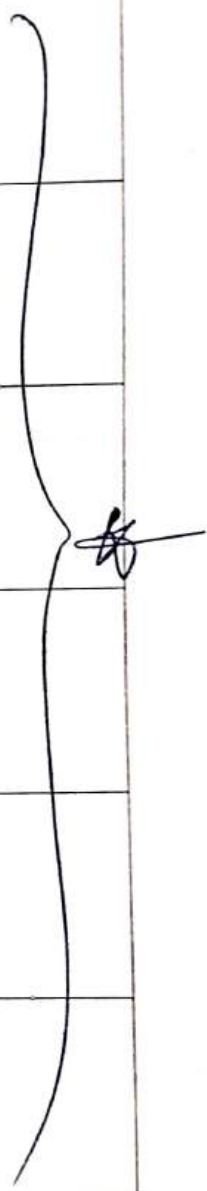
video tag

</video>

Image Tag:

HTML img tag is an empty tag that contains attributes only. closing tags are not used in HTML image element.

ACTIVITY LOG FOR THE SECOND WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to web technology, Full stack development and tools and editors	I understand the introduction of the full stack development	
Day -2	Introduction to HTML structure	I understand the HTML structure	
Day -3	Introduction to text formatting elements	I Learn the text formatting elements	
Day -4	practice on the text formatting elements.	I practiced the text Formatting Elements	
Day -5	Introduction to form elements	I learn the form elements	
Day -6	practice on the form elements	I practiced the forms registration form, login form, employee details form	

WEEKLY REPORT
WEEK - 2 (From Dt. 6-1-25 to Dt. 11-1-25)

Objective of the Activity Done: Introduction to HTML

Detailed Report:

Introduction to HTML:

HTML stands for HyperText Markup language

HTML stands is the standard mark up language for creating web pages

HTML describes the structure of a web page.

HTML consists of a series of elements.

HTML elements tell the browser how to display the content

Structure of HTML:

```
<!DOCTYPE html>
```

```
<html>
```

```
  <head>
```

```
    <title>pageTitle</title>
```

```
  </head>
```

```
  <body>
```

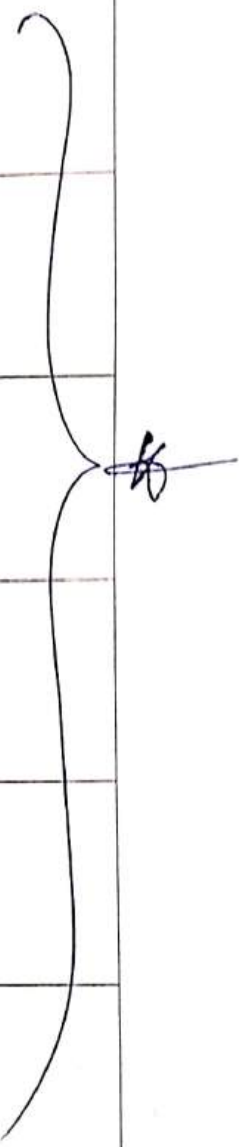
```
    <h1>myFirstHeading</h1>
```

```
    <p>my first paragraph</p>
```

```
  </body>
```

```
</html>
```

ACTIVITY LOG FOR THE THIRD WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Introduction to CSS & Types of CSS	I understand the concept of CSS and types of CSS	
Day - 2	selectors, color, borders and Backgrounds	I learned properties with different values of the property	
Day - 3	padding, margin, float, height and width	I learned properties with different values of the property	
Day - 4	practice on the box models	I practiced the box model examples	
Day - 5	Text, List, icons, links, tables, display position and z-index	I learned the properties with different values of the property	
Day - 6	practice on the properties.	I practiced the properties	

WEEKLY REPORT
WEEK - 3 (From Dt. 13-1-25 to Dt. 18-1-25)

Objective of the Activity Done: Introduction to CSS & types of CSS

Detailed Report:

CSS 3 provides basic and advanced concepts of CSS technology

→ CSS stands for cascading style sheet

→ CSS is used to design HTML tags

→ CSS is widely used language on the web

CSS is added to HTML pages to

format the document according

to information in the style sheet

There are three ways to insert CSS in HTML documents

→ Inline CSS

→ Inline Internal CSS

→ External CSS

selectors

CSS selectors are used to select

the content you want to style

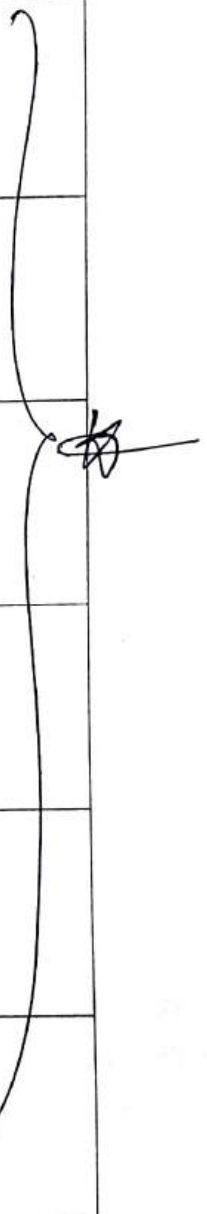
selectors are the part of CSS rule

set. CSS selector select HTML

elements according to its id, class,

type, attribute etc.

ACTIVITY LOG FOR THE FORTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Fonts, Align, combinators, opacity	I learned the properties with different values of property	
Day -2	practice on the properties	I practiced the properties	
Day -3	Navigation Bar, types of navigation bar and drop-down.	I learned the how to create navigation bar and dropdown using HTML and CSS	
Day -4	Website layout	I understand the website layout and how to create a sample website	
Day -5	practice on the HTML & CSS with website layout	I practiced the website layout	
Day -6	Introduction to Bootstrap, why we need bootstrap and implementation of bootstrap.	I understand the importance of bootstrap	

WEEKLY REPORT

WEEK - 4 (From Dt. 20-1-25 to Dt. 25-1-25)

Objective of the Activity Done: css properties

Detailed Report:

opacity

The css opacity property is used to specify the transparency of an element. in simple word, you can say that it specifies the clarity of the image.

overflow

The css overflow property specifies how to handle the content when it overflows its block level container.

Float

The 'css float property specifies how an element should float

The css clear property specifies what elements can float beside the cleared element and on which side.

z-index:

When elements are positioned, they can overlap other elements.

ACTIVITY LOG FOR THE FIFTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	How to connect the bootstrap with HTML & CSS	I understand the connection with HTML & CSS	
Day - 2	How to get the bootstrap data and how to include bootstrap layout into our HTML code	I understand how to find the class names in bootstrap	
Day - 3	Break points, container system and 2-index	Understand the bootstrap grid system. How can I implement bootstrap	
Day - 4	practice on the grid system	I practiced the grid system by box models layout	
Day - 5	Navigation bar dropdowns and carousels	I understand the how we can integrate the bootstrap code into my website	
Day - 6	practice on the website layout and sample website information	I practiced the sample website layout	

WEEKLY REPORT

WEEK - 5 (From Dt. 27-1-25 to Dt. 1-2-25)

Objective of the Activity Done: Introduction to Bootstrap

Detailed Report:

Bootstrap is a free front-end framework for faster and easier web development.

Bootstrap includes HTML and CSS based design templates for typography, forms, buttons, tables, navigation, modals, image carousels and many other, as well as optional JavaScript plugins. Bootstrap also gives you the ability to easily create responsive designs.

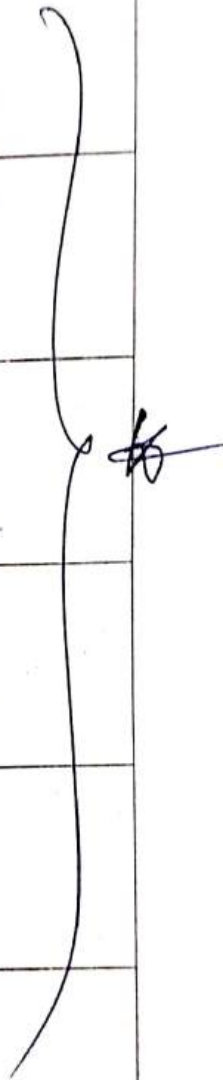
containers

containers are used to pad the content inside of the, and there are two container classes available

→ The container class provides a responsive fixed width container

→ The container fluid class provides a full width container, spanning the entire width of the viewport.

ACTIVITY LOG FOR THE SIXTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Revision of Frontend Technologies Part 1 - HTML & CSS	I revised the concepts of HTML & CSS concepts	
Day - 2	Revision of Frontend Technologies Part 2 - Bootstrap	I revised the concepts of HTML & CSS concepts	
Day - 3	Started a web designing project-1	I practiced the web page designing	
Day - 4	Started a web designing project-2	I practiced merged web page into designing website	
Day - 5	Merging two web pages into one website	Merged web pages into website	
Day - 6	Debugging of web pages	Completion of Front End project	

WEEKLY REPORT
WEEK - 6 (From Dt. 3-2-25 to Dt. 8-2-25)

Objective of the Activity Done: Revision of Fronted Technology

Detailed Report:

HTML, CSS & Bootstrap

Revision of HTML, CSS & Bootstrap
project creation

creating a website with different page

→ creating multiple web pages

→ Navigation of Each web page

→ corrections of web page

ACTIVITY LOG FOR THE SEVEN WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Introduction to Database DBMS & RDBMS	I understood the importance of database	
Day - 2	Installation and configuration of MySQL server MySQL workbench	I installed the MySQL and MySQL workbench	
Day - 3	Introduction to SQL and database creation	I understood the importance of SQL in database	
Day - 4	DDL commands and practice	I understood the DDL commands and practised the commands	
Day - 5	DML commands and practice	I understood the DML commands and practised the commands	
Day - 6	DQL, DCL, TCL commands and practice	I understood the DQL, DCL, TCL commands and practised the commands	

Objective of the Activity Done: Introduction to Database

Detailed Report:

SQL

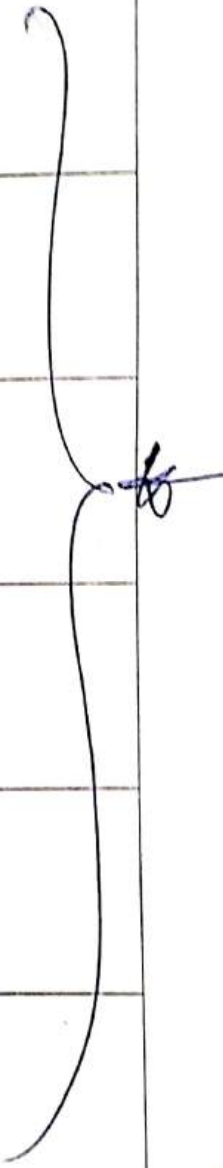
SQL stands for structured query language.

SQL can create new databases, create new tables, retrieve data, insert records, update records, delete records and execute queries against a database.

RDBMS

RDBMS stands for Relational Database Management System. RDBMS is the basis for SQL and for all modern database systems such as MySQL server, IBM DB2, Oracle, MySQL, and Microsoft Access. The data in RDBMS is stored in database objects called tables. A table is collection of related data entities and it consists of columns and rows.

ACTIVITY LOG FOR THE EIGHTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to integrity constraints and data validation in database	I understood the importance of integrity constraints in database	
Day -2	NOT NULL, unique, primary key, foreign key, check and default	I understood the importance of constraints in database	
Day -3	Practice on integrity constraints	I practiced the constraints	
Day -4	Introduction to clauses i.e where, group by, Having and order by	I practiced the clauses	
Day -5	Introduction to Built-in functions	I understood the Built-in Functions	
Day -6	practice on the integrity constraints, clauses and built in functions	I practiced the Built-in-functions	

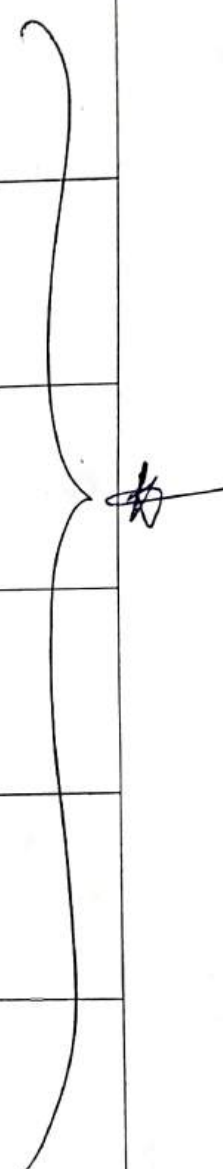
Objective of the Activity Done:

Data Validation

Detailed Report:

1. SQL constraints are used to specify the rules for data in the table
2. It can be specified when table is created with create table or after table is created with alter table
3. These are diff types of constraints
 - a. NOT NULL - Ensures column cannot have null value. Apply on any # of cols.
 - b. UNIQUE - Ensures that all values in columns are different. Apply @ col or table
 - c. PRIMARY KEY - A combination of NOT NULL and UNIQUE to identify rows uniquely
 - d. FOREIGN KEY - Uniquely identifies a row/record in another table.

ACTIVITY LOG FOR THE NINETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Auto increment and usage of Ai	I understood the usage of Auto-increment	
Day -2	Introduction to Joins and importance of joins	I understood the importance of joins	
Day -3	Introduction to UNION and UNION ALL	I understood the usages of union & UNION ALL	
Day -4	Introduction to sub queries and implementation	I understood the importance of sub queries	
Day -5	Practice on the joins and clauses	practiced the joins and clause	
Day -6	practice on the joins and clauses	practiced the joins and clauses	

Objective of the Activity Done: Joins and Subqueries

Detailed Report:

Auto increment

Auto increment is a function that operates on numeric data types. It automatically generates sequential numeric values every time a record is inserted into a table for a field defined as auto increment.

Only primary key can be auto incremented (AUTO INCREMENT must be followed by primary key).

create table student (sno int(5)
primary key AUTO INCREMENT)

Alter table student AUTO INCREMENT = 100;

JOINS:

JOIN (TO retrieve data from more than one table by joining the tables by relation) (PK/FK)....

1. inner / simple join / equi join

(e.departmentid = d.departmentid)

ACTIVITY LOG FOR THE TENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to python and installation and execution of python program	I understood the python introduction and installation process and how to execute python program	
Day -2	Variables, operators and data types.	I understood about python variables, operators and data types	
Day -3	Sequence of instructions, Expression and input and output basics and components	I understood about sequence of instructions in python, expressions	
Day -4	Introduction to strings, string concatenation, string repetition, string indexing, length of string	I understand about string concatenation, string repetition, string indexing	
Day -5	Introduction to string slicing and how to check data types	I understand about string slicing and how to check data types	
Day -6	Practicing Example python programs by using I/O Basics, strings	Executed Example python programs by using I/O Basics, strings	

Objective of the Activity Done: Introduction to python

Detailed Report:

Introduction to python

python is a versatile, high level, programming language known for its readability and ease of use. unlike some other languages that requires strict syntax and variable declarations python emphasizes code clarity.

This allows you to write programs with fewer lines of code. Applications of python:

python's versatile language and it has wide range of applications as follows

Web development

Data science and data Analysis

Machine learning and Artificial intelligence

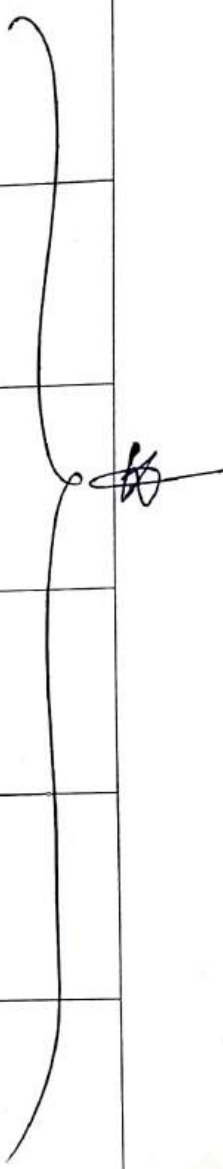
scientific computing

desktop Applications

game development

Business Applications etc

ACTIVITY LOG FOR THE ELEVENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to types of conversions and example programs	I understand the type of conversions and example programs	
Day -2	Introduction to conditional statements and nested conditional in python	I understand about conditional statements and nested conditions in python	
Day -3	practicing the example program by using operators and conditional statements	I practiced the example programs by using operators in python	
Day -4	practicing the example program by using conditional statements and nested conditional statements	I practiced the example program by using conditional statements	
Day -5	problem solving and approaching session.	problem solving and approaching session.	
Day -6	conducting exam	I written exam based previous concepts still day with practice	

Objective of the Activity Done: Introduction to type conversion

Detailed Report:

Type conversions:

converting from one data type to another data type is known as

Type conversions

→ string to integer

→ integer to float float to string & vice versa

→ to convert to string use - str()

→ to convert to integer use - int()

→ to convert to float use - float()

→ to convert to boolean use - bool()

Note: use type() to know the type of data

Example: var1 = "python"

print(type(var1))

output: <class 'str'>

Example: converting one data type to another data type

var1 = input()

ACTIVITY LOG FOR THE TWELFETH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	Introduction to loops and Nested loops	I understand about loops and Nested loops in Python	
Day -2	Introduction to loop control statements and practice programs by using loops	I understand the loop control statements and practice program	
Day -3	Practicing program by using loops	I practiced the program by using nested loops	
Day -4	Practicing program by using Nested loops	I practiced the program by using nested loops	
Day -5	Revision of conditional statements, loops, and loop control statements	Revision of conditional statements, loops and loop control statements	
Day -6	Practicing program by using control statements, loops, loop control statements	Practicing program by using control statements, loops, loop control statements	

Objective of the Activity Done: Introduction to loops

Detailed Report:

iterating through sequences or
controlling program flow based
on conditions

1. FOR Loops:

The for loop iterates over elements
in an iterable object like lists
string, tuples or dictionaries

→ In each iteration the current
element is assigned to the
item variable

→ The indented code block following
the `:` is executed for each item
in the iterable.

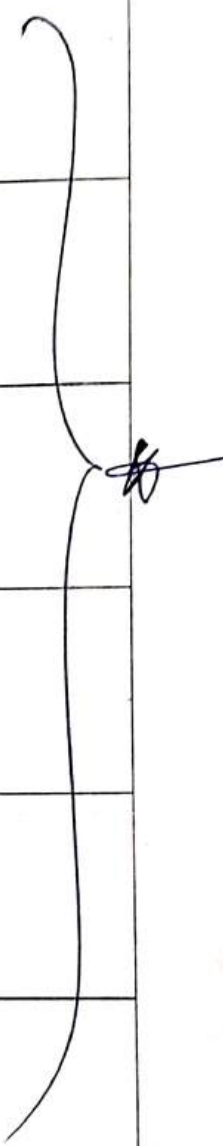
Example

```
fruits = ["apple", "banana", "cherry"]  
for fruit in fruits:  
    print fruit
```

This code will print each fruit
on a new line

~~apple~~ apple

ACTIVITY LOG FOR THE THIRTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Introduction to data structures and introduction to lists and list methods	I understand about data structures and lists and lists methods	
Day - 2	Introduction tuple and tuple methods	I understand about tuple and tuple methods	
Day - 3	Introduction set and set methods	I ^{about} understand set and set methods	
Day - 4	Introduction to dictionaries and dictionary methods	I ^{about} understand dictionary and dictionary methods	
Day - 5	practicing program by using data structure	practicing program by using data structure	
Day - 6	Introduction to Functions	I understand about the functions in python	

Objective of the Activity Done:

Introduction to data structure

Detailed Report:

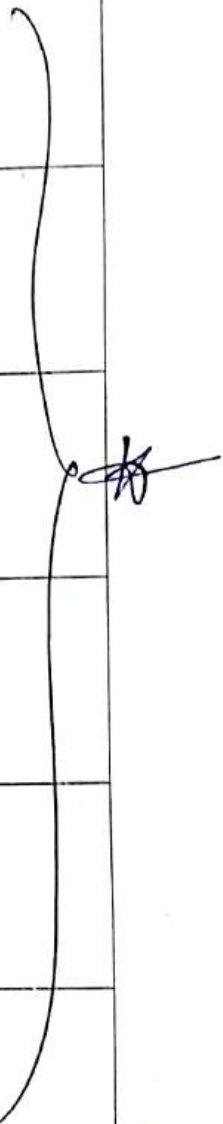
Data structures:

Data structures in python are organized way to store and manage collections of data. Choosing the right data structure for your program depends on the type of data you're working with and the operations you need to perform on it. Here's an overview of some fundamental built-in data structures in python.

List & list methods:

In python lists are one of the most fundamental and versatile data structures. They are used to store ordered, mutable collection of elements. Here's detailed breakdown of lists in python.

ACTIVITY LOG FOR THE FOURTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day -1	OOPS concepts and revision of previous topics in python	I learned oops concept and revision of previous topics in python	
Day -2	Introduction to Django Framework - installation - creating application	Learned about Django Framework creating application based on Django	
Day -3	Configuring database modules and connections and creating Admin panels	I learned configuring database modules and connections.	
Day -4	Configuring email modules and performing CRUD operations	I learned configuring email modules and performing CRUD operations	
Day -5	Django Admin Panel overview and data manipulations	I learned Django Admin Panel overview and data manipulation	
Day -6	Revision of Django Framework	I learned revision of Django Framework	

WEEKLY REPORT

WEEK - 14 (From Dt. 31-3-25 to Dt. 5-4-25)

Objective of the Activity Done: OOps concept

Detailed Report: ☺

OOps concept

In python, object-oriented programming (OOP) is a way of structuring your programs around objects. Objects encapsulate data (attributes) and the actions (methods) they can perform. Here's breakdown of key OOP concepts in python.

1. Classes and objects

→ class: A blue print that defines the properties (attributes) and behaviours (methods) of objects. It serves as a template for creating objects.

Example:

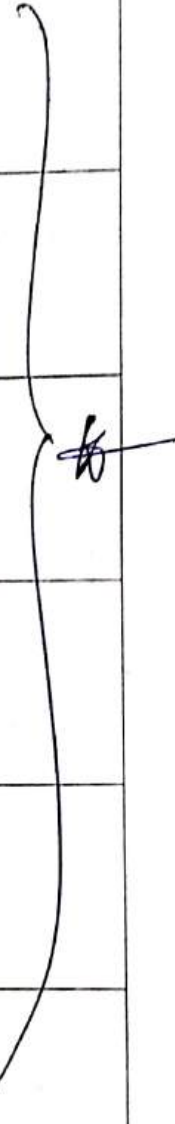
```
class car:
```

```
    def __init__(self, make, model, year):
```

```
        self.make = make
```

```
        self.model = model
```

ACTIVITY LOG FOR THE FIFTEENTH WEEK

Day & Date	Brief description of the daily activity	Learning Outcome	Person In-Charge Signature
Day - 1	Project Development	project develop	
Day - 2	project Development	project development	
Day - 3	project development	project development	
Day - 4	project Review	project Review	
Day - 5	project presentation	project presentation	
Day - 6	project presentation	project presentation	

Objective of the Activity Done: project development

Detailed Report:

2. project creation:

→ open command prompt. Navigate to the directory where you want to create your django project
→ create django project. Run the following command, replacing mysite with your preferred project name:

Bash

`django-admin startproject mysite`
This creates a directory named mysite with the basic django project structure

3. App creation for specific functionality

→ Navigate to the project directory
use `cd mysite` to enter the project directory

CHAPTER 5: OUTCOMES DESCRIPTION

Describe the work environment you have experienced (in terms of people interactions, facilities available and maintenance, clarity of job roles, protocols, procedures, processes, discipline, time management, harmonious relationships, socialization, mutual support and teamwork, motivation, space and ventilation, etc.)

At Karthikeya software solutions private limited, I experienced a collaborative work environment with clear job roles, protocols, procedures, and the team maintained high discipline and emphasized time management, fostering harmonious relationships and mutual support. Socialization and teamwork were encouraged, promoting motivation and a positive atmosphere. The facilities are well maintained, providing a comfortable space with proper ventilation. Overall, Karthikeya software solutions private limited prioritized a conducive work culture that enabled productivity, creativity, and a sense of belonging among team members.

Describe the real time technical skills you have acquired (in terms of the job-related skills and hands on experience)

During my internship at Karthikeya software solutions private limited, I acquired real time technical skills such as python programming, spring boot framework, and web development using HTML, CSS, and bootstrap

I gained hands-on experience ~~have~~ enhanced in developing and deploying web applications working with databases

These job-related skills and practical experiences have enhanced my ability to contribute effectively to software development projects and provided me with valuable insights into the industry's best practices

Describe the managerial skills you have acquired (in terms of planning, leadership, team work, behaviour, workmanship, productive use of time, weekly improvement in competencies, goal setting, decision making, performance analysis, etc.

During my internship at Karthikeya software solutions private limited, I honed essential managerial skills. I developed strong planning abilities, effective leadership qualities and collaborated well within teams. My behaviour was professional, and I focussed on delivering high-quality workmanship.

I utilized time productively, consistently improving my competencies on a weekly basis setting and achieving goals, making informed decisions, and analyzing performance were integral parts of my internship experience.

These skills have equipped me with a solid foundation for managerial roles, ensuring I can contribute positively to projects and lead team efficiency.

Describe how you could improve your communication skills (in terms of improvement in oral communication, written communication, conversational abilities, confidence levels while communicating, anxiety management, understanding others, getting understood by others, extempore speech, ability to articulate the key points, closing the conversation, maintaining niceties and protocols, greeting, thanking and appreciating others, etc.,)

improving communication skills involves a multifaceted approach.

During my python fullstack development internship at karthikeya software solutions private limited, I actively worked on improving my communication skills across various aspects. I focused on enhancing my oral communication by participating in team meetings, discussions and presentations.

I practiced clarity, coherence, and effective delivery of information to ensure my message was understood by others.

In terms of written communication, I refined my skills in writing professional reports and

documentations I paid attention to grammar, structure and tone to convey information clearly and professionally

I also worked on my conversational ability. engaging in meaningful discussions and practicing active listening to understand others' viewpoints better. This helped me improve my understanding of diverse perspectives and enhanced my ability to communicate effectively in different situations

To boost my confidence levels while communicating, I practiced positive self-talk prepared thoroughly for discussions and presentations and sought feedback from mentors and peers to continuously improve

Describe how could you could enhance your abilities in group discussions, participation in teams, contribution as a team member, leading a team/activity.

During my PYTHON full stack internship at Karthikeya software solutions private limited, i focoused on enhancing my abilities in group discussions, team participation, contribution as a team member, and leading team activities

I actively listened, shared insights and respected diverse viewpoints in group discussions, as a team member, i prioritized reliability collaboration, and proactive engagement. i contributed by completing tasks efficiently. offering support to teammates and seeking continuous improvement

In leadership roles, i organized tasks delegated responsibilities, facilitated discussions and motivated the team toward achieving shared goals, fostering a positive and productive team environment

Describe the technological developments you have observed and relevant to the subject area of training (focus on digital technologies relevant to your job role)

DURING my internship at Kartaikya software solutions private limited, I observed significant technological developments relevant to python Full stack development

There are advancements in frameworks like Spring Boot for back-end development HTML, CSS & BOOTSTRAP front-end development and containerization technologies like Docker for deployment

Additionally there were improvements in cloud services such as AWS, Azure and Google cloud, offering scalable and efficient solutions for hosting applications.

These developments underscored the importance of staying updated with digital technologies to enhance productivity, scalability, and performance in software development projects.

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Student Self Evaluation of the Short-Term Internship

Student Name: K-Rajasekhav Registration No: 224030066035
Term of Internship: long term From: 16-12-2024 To: 14-4-2025
Date of Evaluation:
Organization Name & Address: Karthikey solutions
(Pvt Ltd)

Please rate your performance in the following areas:

Rating Scale: Letter grade of CGPA calculation to be provided

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

Date:

19/4/25

K Rajasekhav

Signature of the Student

Evaluation by the Supervisor of the Intern Organization

Page No 652



Student Name: K Rajasekhar

Registration No: 224030066035

Term of Internship: (long term) From: 16-12-24 To: 14-4-2025

Date of Evaluation:

Organization Name & Address: Karthikeya solutions

Name & Address of the Supervisor
with Mobile Number

Please rate the student's performance in the following areas:

Please note that your evaluation shall be done independent of the Student's self-evaluation

Rating Scale: 1 is lowest and 5 is highest rank

1	Oral communication	1	2	3	4	5
2	Written communication	1	2	3	4	5
3	Proactiveness	1	2	3	4	5
4	Interaction ability with community	1	2	3	4	5
5	Positive Attitude	1	2	3	4	5
6	Self-confidence	1	2	3	4	5
7	Ability to learn	1	2	3	4	5
8	Work Plan and organization	1	2	3	4	5
9	Professionalism	1	2	3	4	5
10	Creativity	1	2	3	4	5
11	Quality of work done	1	2	3	4	5
12	Time Management	1	2	3	4	5
13	Understanding the Community	1	2	3	4	5
14	Achievement of Desired Outcomes	1	2	3	4	5
15	OVERALL PERFORMANCE	1	2	3	4	5

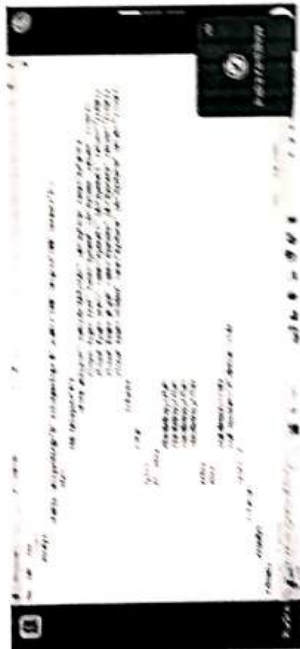
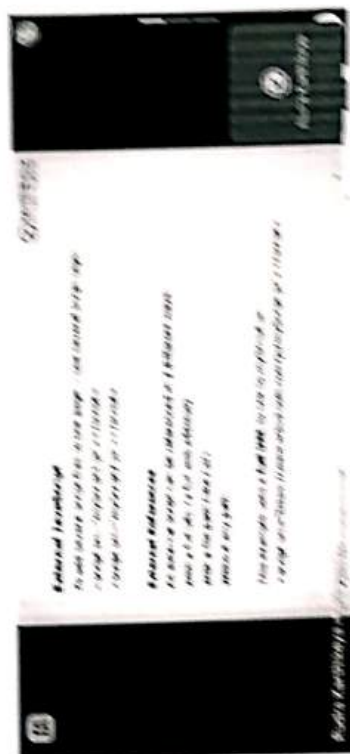
Date: 14/4/2025

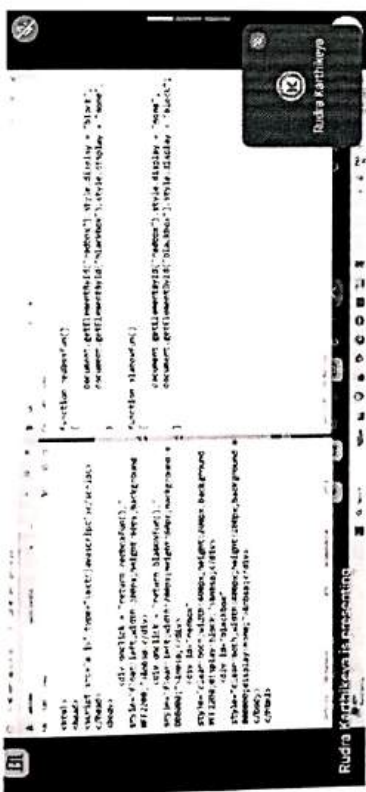
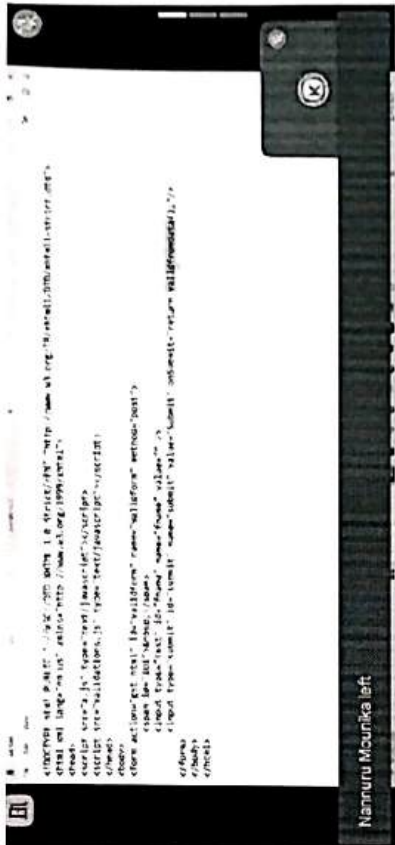
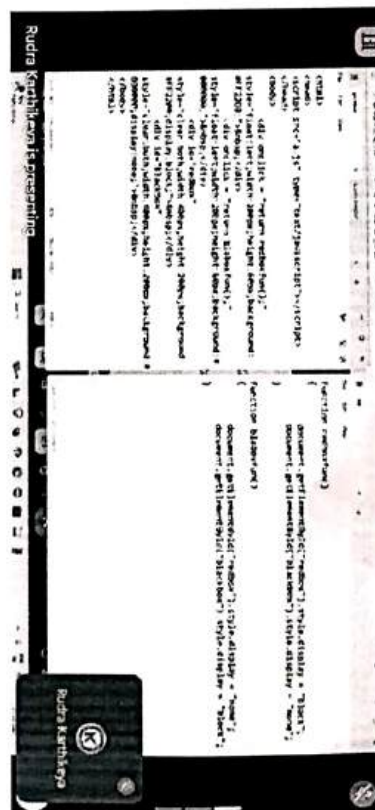
Page No

Signature of the Supervisor



photos and videos links





EVALUATION

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Internal & External Evaluation for Semester Internship

Objectives:

- Explore career alternatives prior to graduation.
- To assess interests and abilities in the field of study.
- To develop communication, interpersonal and other critical skills in the future job.
- To acquire additional skills required for the world of work.
- To acquire employment contacts leading directly to a full-time job following graduation from college.

Assessment Model:

- There shall be both internal evaluation and external evaluation
- The Faculty Guide assigned is in-charge of the learning activities of the students and for the comprehensive and continuous assessment of the students.
- The assessment is to be conducted for 200 marks. Internal Evaluation for 50 marks and External Evaluation for 150 marks
- The number of credits assigned is 12. Later the marks shall be converted into grades and grade points to include finally in the SGPA and CGPA.
- The weightings for Internal Evaluation shall be:
 - Activity Log 10 marks
 - Internship Evaluation 30 marks
 - Oral Presentation 10 marks
- The weightings for External Evaluation shall be:
 - Internship Evaluation 100 marks
 - Viva-Voce 50 marks
- The External Evaluation shall be conducted by an Evaluation Committee comprising of the Principal, Faculty Guide, Internal Expert and External Expert nominated by the affiliating University. The Evaluation Committee shall also consider the grading given by the Supervisor of the Intern Organization.
- Activity Log is the record of the day-to-day activities. The Activity Log is assessed on an individual basis, thus allowing for individual members within groups to be assessed this way. The assessment will take into consideration

the individual student's involvement in the assigned work.

- While evaluating the student's Activity Log, the following shall be considered -
 - a. The individual student's effort and commitment.
 - b. The originality and quality of the work produced by the individual student.
 - c. The student's integration and co-operation with the work assigned.
 - d. The completeness of the Activity Log.
- The Internship Evaluation shall include the following components and based on Weekly Reports and Outcomes Description
 - a. Description of the Work Environment.
 - b. Real Time Technical Skills acquired.
 - c. Managerial Skills acquired.
 - d. Improvement of Communication Skills.
 - e. Team Dynamics
 - f. Technological Developments recorded.

MARKS STATEMENT
(To be used by the Examiners)

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INTERNAL ASSESSMENT STATEMENT

Name Of the Student: K-Rajasekhav

Programme of Study: B . com (C.A.)

Year of Study: 2022 -2023

Group: B . com (C.A.)

Register No/H.T. No: 224030066035

Name of the College: GOVT degree college

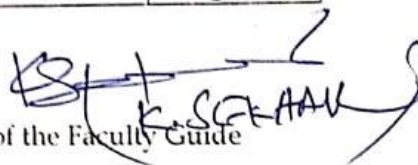
University: yogi vemanu university

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Activity Log	10	10
2.	Internship Evaluation	30	29
3.	Oral Presentation	10	09
	GRAND TOTAL	50	48

Date:

19/4/25

Signature of the Faculty Guide



EXTERNAL ASSESSMENT STATEMENT

Name Of the Student: K. Rajasekhar
Programme of Study: B. Com (C.A.)
Year of Study: 2022-2023
Group: B Com (C.A.)
Register No/H.T. No: 224030066035
Name of the College: Govt. Degree College
University: Yogi Vemana University

Sl.No	Evaluation Criterion	Maximum Marks	Marks Awarded
1.	Internship Evaluation	80	80
2.	For the grading giving by the Supervisor of the Intern Organization	20	20
3.	Viva-Voce	50	40
	TOTAL	150	140
GRAND TOTAL (EXT. 50 M + INT. 100M)		200	188

Signature of the Faculty Guide

(K. Rajasekhar)

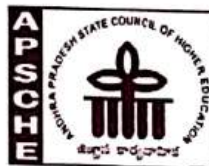
Signature of the Internal Expert

(K. Rajasekhar)

Signature of the External Expert

Guil

R. Purushotham
Principal
Signature of the Principal with Seal
Govt. Degree College
RAJAMPET - 516 115
Annamayya Dist.



**ANDHRA PRADESH
STATE COUNCIL OF HIGHER EDUCATION**

(A Statutory Body of the Government of Andhra Pradesh)

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