



## **Recently Placed Students**

7 LPA

3.2

**LPA** 



Wallmart

Sandeep

56

2.4

7 LPA

4.7



C Chaitanya Jokshio



2.4 LPA Surgam Sai Kumar V-Soft



**LPA** Divya Easy to learn IT Services



LPA Naveen Easy to learn IT Services



Rithick Poojari Vollmond IT



Wasim V-Soft

3.5 LPA

14

LPA

4.8

LPA



**LPA Arrow Electronic** 

2.4

4.7 LPA

4.5

3.3



Bittu Kumar **NavSoft** 



Khasim V-Soft



**Pakirappa** Qualcomm



**Feroz** Codetrue



**LPA** Harish Codetrue



Manikanta Service Pack

4.8

LPA



Veerababu Perenial Codeit Solution



**LPA** Chandu Teja **Truminds** 



**Gulshan Sharma Apmosys** 



LPA Sonatafy Tech



**Prem Chand** L & T



**LPA** Manoj Code Decode



# **Content Explanation**

Python Demo Date:

Python Demo Time :

Python Fee :

Python Duration :

Trainer Name :



#### Python Internship Execution @RamanaSoft

#### RamanaSoft Joining Document Requirements

Degree/PG Certificates 2 Copies Inter Memo 2 Copies SSC Memo 2 Copies Adar Card 2 Copies Pan card 2 Copies 3 Passport Sizes photos ( Colour)

#### Company Details: Ramana Soft

#### **Project Process**

Activity\_Id Activity/Process Owner

- 1. Business Grooming
- 2. Functional Walk-thru
- 3. Make them to write Test cases
- 4. Execute Testing People
- 5. Report bugs to Dev(UI/Java)
- 6. Jira
- 7. Deployment
- 8. Regression Testing People

#### Testing Process Agile Testing-Sprint 1,2,3,....N Sprint 1 Schedule Sprint-1 starts

#### 1. Joining Formalities with HR

#### 2. Providing Access

- ⇒ Outlook ⇒ Slack
- ⇒ JIRA
   ⇒ DB
- → Application URL access and VPN
- ⇒ Providing KT , Scrum call
- ⇒ Providing KT, Scrum call
- Scrum call, Sprint grooming, Sprint planning
- Scrum call, Analysing requirements
- ⇒ Analysis and Writing test scenarios, Scrum call
- ⇒ Writing Test cases, Scrum call
- ⇒ Writing Test cases, Scrum call
- Getting review of test cases, Scrum call
- Smoke testing, Scrum call
- ⇒ Execution of test cases, Scrum call
- ⇒ Execution of test cases, Scrum call
- Execution of test cases, Retest, Scrum call
- Retesting, Regression testing, Scrum call
- Sprint-1 Closer Sprint review and retrospective meeting, Sanity check and QA sign off, Scrum call Planning for second sprint

#### Tools

- → Outlook
- ⇒ Slack
- ⇒ JIRA
- ⇒ DB

#### Meetings

Daily Scrum Meetings Sprint Planning Sprint Retrospective Sprint Review Meeting

#### **Project Domain:**

Banking, Insurance, Health Care, Retail, Ecommerce, IOT, AI/ML, Gaming, Travel







# **Aptitude & Reasoning**

### Quantitative

- ⇒ Basic Maths
- ⇒ Algebra
- ⇒ Percentages

- ⇒ Averages
- ➡ Time and Work
- ⇒ Chain Rule
- ⇒ Pipes and Cisterns
- ⇒ Ratios
- ⇒ Proportions
- ⇒ Partnerships
- □ Trains
- ⇒ Boats and Streams
- ⇒ Simple Interest
- ⇒ Compound Interest

### Reasoning

- Directions
- ⇒ Letter Series
- ⇒ Number Series
- Coding Decoding
- ⇒ Blood Relations
- Statement and Assumption
- Odd Man Out Series
- ⇒ Venn Diagrams
- Mirror Images
- ⇒ Water Images
- Arranging in Order
- ⇒ Paper Folding / Cutting
- Grouping
- Counting the figures
- Calenders
- Seating Arrangements

#### **Data Interpretation**

- ⇒ Bar Charts
- Pie Charts
- → Table Charts







#### **QUALITY IN SOFT SKILLS**

- ⇒ English Skills: Basic Grammar Parts of Speech, Preposition, Tenses, Usage, Auxiliaries and Modals, Sentence Formation and Phonics Sounds, Pronunciation and Articulation
- LSRW Skills: Listening, Speaking, Reading and Writing Skills, Techniques & Tips and its importance
- ⇒ Communication Skills: Types, Levels, Styles, 7 C's, Barriers & How to overcome Barriers, Importance, Interpersonal Skills and Activities
- ➡ Business Communication Skills: Telephone Etiquettes, How to Write Official Letters, Drafting Official Emails, Writing Memos & Blogs and Professional Ethics
- ⇒ Public Speaking Skills: Reduce Fear & Shyness, Openness & Transparency, Pre-Requisites for Public Speaking
- ⇒ Presentation Skills: Preparation, Tips & Techniques and Body Language
- Employability Skills: Job Readiness Resume Formats, How to Face Interview, PI / GD / JAM, Interview Questions, Power Dressing, Corporate Grooming, Goal Setting, Corporate Culture & Work Ethics

#### **VALUE ADDITION:**

- # International Tools: SWOT Analysis, SOAR Analysis, Transaction Analysis, Johari Window, IKIGAI Japanese Concept, Mind Mapping, and Enneagram Personality Type
- ⇒ # VERSANT + Voice & Accent Training with Accent Neutralization to reduce MTI and Regional Slang









#### ▶ Python Introduction & setup environment

#### ▶ What are the software's required to learn python

- a. Python 3.7.0 version installation
- b. Visual studio code installation

#### ► An identifier(variable)

- a. What an identifier(variable)
- b. Rules for an identifier(variable)

#### ▶ Data types in Python

- a. Integer data type
- b. Floating data type
- c. String data type
  - ⇒ join()
  - ⇒ len()
  - ⇒ replace()
  - ⇒ split()
  - ⇒ strip()
  - ⇒ rstrip()
  - ⇒ Istrip()
  - ⇒ upper()
  - ⇒ lower()
  - ⇒ slice operator with + index
  - slice operator with index

#### ▶ Boolean data type

#### ► Complex data type

#### ▶ List data type

- List with their properties
- append()
- ⇒ remove()
- ⇒ insert()
- ⇒ extend()
- ⇒ pop()
- ⇒ index()
- ⇒ sort()
- ⇒ sorted()
- ⇒ len()
- copy()
- clear()

#### Tuple data type

- ⇒ Tuple with their properties
- ⇒ max()
- ⇒ min()
- ⇒ len()

#### Set data type

- ⇒ Set with their properties
- ⇒ copy()
- clear()
- ⇒ len()
- intersection()
- ⇒ update()
- ⇒ union()

#### ▶ Dictionary data type

- ⇒ Dictionary data type with their properties
- keys()
- values()
- ⇒ items()
- ⇒ popitem()
- ⇒ get()
- copy()
- clear()
- ⇒ update()
- a. Bytes data type
- b. ByteArray data type
- c. Frozenset data typed. Range data type
- e. None data type
- f. Working with input() function with their rules
- g. Typecasting in python
- h. Working with eval() function with their rules

#### ▶ An operators in Python

- a. Arithmetic operators
- c. Assignment operators
- d. Logical operators
  - Logical and operator
  - Logical or operator
  - Logical not operator

#### **▶** Equality operators

- ► Comparison operators
- ▶ Chaining operators
- ▶ Ternary operators

#### ▶ Special type of operators

- Identity operators
- Membership operators

#### **▶** Bitwise operators

- ⇒ Bitwise and operator
- ⇒ Bitwise or operator
- ⇒ Bitwise exclusive or
- ⇒ Bitwise complement operator
- ⇒ Bitwise left-shift operator
- Bitwise right-shift operator

#### ▶ Working with Input & Output functions

- a. Input() & print() functions
- ⇒ b. Working separator attribute
- c. Working with end attribute
- d. Formatted string
- e.Replacement operator

#### ▶ Command Line argument (CLA) in Python

- a. Working with sys module with argv variable
- b. argv variable with various operations

#### ► Control Statements in Python

- ⇒ Decision making or conditional statements
- ⇒ If statement
- nested if statement
- ⇒ if else statement
- s if elif else statement





#### Iterative statements

- ⇒ for loop ⇒ nested for loop
- ⇒ while loop
- nested while loop

#### Transfer statements

- pass statement break statement
- continue statement

#### ► Working with zip () function

- ▶ List comprehension
- ▶ Tuple comprehension
- Set comprehension
- ▶ Dictionary comprehension

#### ► Functional Programming language in Python

- a. What is function
- b. Types of functions
- c. Why do use functions in real time applications
- d. How to create a function in python
- e. What is \_\_name\_\_==""\_\_main\_\_"
- f. Formal parameters
- g. Actual parameters
- f. Arguments in function
  - Positional argument
  - Default argument
- Keyword argument
- ⇒ Variable length argument
- Keyword variable length argument
- ⇒ Difference between \*oblj & \*\*obj2

#### ▶ Nameless function

- Working with lambda keyword
- ⇒ filter() function ⇒ map() function
- ⇒ reduce() function

#### ▶ Inner or Nested function

### Packages in Python

- a. What is module
- b. What is package
- c. What is library
- d. What is framework
- e. How package is important in real world software's
- f. Complete structure of package
- g. Complete structure of nested package

#### Modular Programming Language in Python

- a. Why modular programming language
- b. Import & export data from one to another module
- c. Various possibility of import & export the data
- d. Working with reload () functions
- e. Working with math module
- f. Working with random module

#### ▶ Modular Programming Language in Python

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- e. Working with math module
- f. Working with random module

#### ▶ Pandas Library

- a. What are pandas
- b. How to install pandas
- c. How pandas ruling in data science applications
- d. Working on Data Frame object
- e. Working with pandas predefine functions
  - head() function
- ⇒ tail() function
- ⇒ max() function
- ⇒ min() function
- ⇒ count() function
- ⇒ sum() function
- ⇒ sum(1) function
- ⇒ sort() function

#### Working with iterating methods in pandas

- a. Iteritems ()
- b. Iterrows ()
- c. Itertuples ()

#### ▶ NumPy Library

- a. What is NumPy
- b. How NumPy is ruling in data science applications
- c. How to install NumPy
- d. Working with zero to nth dimension arrays
- e. What is ndim
- f. What is ndmin
- g. Slicing with numpy
- h. Working with shape attribute
- I. Working with reshape function
- j. Applying the loops on NumPy
- k. Working with predefine functions in NumPy

#### Advance Data Structure in python

- a. Working on Stack with their rules
- b. Working with Queue with their rules
- c. Working binary tree with their rules
- d. Working with linked list
  - ⇒ Single linked list
  - Double linked list

#### Modular Programming Language in Python

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- d. Working with reload () functions
- e. Working with math module
- f. Working with random module

#### ▶ Pattern Examples

Important Interview Questions & Answers





#### Object oriented Programming language in Python.

- a. What is class
- b. How to create class
- c. What is an object
- d. How to create an object
- e.What is constructor
- f. What is Instance method (Non static method)
- g. What is class method
- h. What is static method
- I. What is Instance variable
- j. What is Static variable
- k. What is Local variable
- I. Working with GC module
- m. Working with Inner classes
- n. hat is composition and aggregation

#### ▶ Inheritance

- a. Duck-Typing
- b. Operator overloading
- c. Method overloading
- d. Method overloading with default argument
- e. Method overloading with variable length argument
- f. Constructor overloading
- g. Constructor overloading with default argument
- h. Constructor overloading with variable length argument
- I. Method overriding
- j. Constructor overriding
  - ⇒ Working on Encapsulation
  - ⇒ Abstract method ⇒ Abstract class
  - ⇒ Interface ⇒ Concrete classes
  - Access modifier

#### ► File Handling in Python

- a. Why file is required
- b. What is file handling
- c. How to open a file
- d. Working with various modes of file
- e. Working with write() and write lines()
- f. Working with read() and read line() and read lines()
- g. Working with 'with' statement
- h. Working with pickling & unpickling
- I. Working with CSV module
- j. Working with Zipping and Unzipping
- k. Working with object serialization and object deserialization

#### **▶** Exception Handling in Python

- a. Types of errors in programming language
- b. What is exception
- c. What is main objective of an exception
- d. Working with try & except block



- e. Working with default exception
- f. Working with try & except & else & finally block
- g. Working with nested try & except & else & finally block
- h. Difference between try & finally block

#### ▶ Decorators in Python

- a. What is decorator
- b. Why decorator is required
- c. Working with
  - @decor\_name decorator
- d. Working with decor function

#### ▶ PBDC in python

- a. Why PDBC
- b. Working XAMPP tool for MySQL Database
- c. How to install MySQL. Connector drivers
- d. Performing all database queries

#### ▶ Generators in python

- a. What is generators
- b. Why do we require generators
- c. Working with yield keyword

#### ▶ Multi-Threading

- a. What is multi-threading
- b. Types of multi-threading
- c. What is Thread
- d. How many ways we can create thread in python
- e. How to improve the application performance with threading
- f. Synchronization and Asynchronization

#### ► Assertion in Python

- a. What is assertion
- b. Types of assertion
- c. Working with assert keyword to develop testcases
- d. Scripts for to perform debugging operations using assertion

#### Web Scraping with Regular expression

- a. What is regular expression
- b. Working with re module in python
- c. Working with character classes
- d. Working with predefine classes
- e. Working with quantifiers
- f. Regex object for Indian mobile number
- g. Regex object for email
- h. Working with predefine functions
  - ⇒ match() ⇒ fullmatch()
  - ⇒ search() ⇒ findall()

  - ⇒ split()
- What is web scarping
- j. How to fetch real time data using web scarping process







# Web development

# (UI or Front End) 420

#### ▶ HTML & HTML5

- a. What are the software require to learn UI
- b. Working with Fav icon for our frontend
- c. Working with heading tag
- d. Working with formatted tag
- e. Working with paragraph tag
- f. Working with marquee tag
- g. Working with image tag
- h. Working with anchor tag
- I. Working with table tag
- j. Working with form and its components
- k. Developing the complete form with validation
- I. Working with HTML 5 tags
- m. Working with div tag

#### ► CSS & CSS3

- a. What is CSS
- b. Types of CSS
  - ⇒ Inline CSS
  - ⇒ Internal CSS
  - ⇒ External CSS
- c. What are selectors and its types
  - Using tag-based selector
  - Using class-based selector
  - ⇒ Using Id selector
  - Using group by selector
  - Using universal selector
- d. Working with float property
- e. Working visibility property
- f. Working with display property
  - ⇒ none
    - ⇒ inline
    - ⇒ inline-block
    - ⇒ block
    - ⇒ flux
    - g. Working with position property
    - ⇒ static
    - ⇒ absolute
    - ⇒ fixed
    - sticky
    - ⇒ inherit
    - h. Working with media query

#### JavaScript

- a. Why JavaScript
- b. What is JavaScript
- c. How many ways we can JavaScript
  - Inside the body tag
  - ⇒ Inside the head tag
  - External JS
- d. Working with variable declarations
- f. Working with document. Write()
- g. Working with console.log()
- h. Working Dialog boxes
  - Alert() or window.Alert()
  - Comfirm() or window confirm()
  - Prompt() or window.prompt()
- j. Working with Data types
  - ⇒ Primitive data type
  - Non primitive data type
- k. Working with operators
- I. Working with control statements
- m. Working with events
- n. Working with functions
- o. Working with DOM
- p. Working with High order functions
- q. Working with promises in JS
- r. Working with OOPS in JS
  - Creating a class
  - Creating an object
  - Constructor
  - ⇒ Inheritance
  - Super keyword
  - ⇒ Encapsulation
  - Prototypes
  - ⇒ Polymorphism

### **BOOTSTRAPT (4 & 5)**

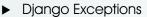
- Why bootstrap
- ▶ What is bootstrap
- ▶ Features of bootstrap
- What is grid system
- What are offset classes
- Working with typography
- Working with buttons
- Working with jumbotron
- Working with Progress bar
- ► Working with paginations
- Working with forms
- Working with cards
- Working with navbar tag
- Working with model
- Working with panel
- Working with validations states
- Working with toggle and collapse classes





### Django

- Prerequest to learn Django
- ▶ What is Django
- ▶ Features of Django
- ▶ How to create a project
- ▶ How to create application
- Working with complete file structure in Diango after creating Diango project & application
- ▶ How to create more than one application
- ▶ How to create a urls.py file at application to improve performance
- Working with MVT design pattern
- Working with templates folder for frontend development
- ▶ Working with Static folder for frontend design development
- ► Implementing JavaScript in Django
- ▶ Implementing bootstrap in Django
- Working with model class in Django
- Working with Django forms
- Working with Django model relationship
  - a. One To One Relationship
  - b. Many To One Relationship
  - c. Many To Many Relationship



- a. Working with predefine exception
- b. Working with custom exception
- ▶ Django ORM
- ▶ Django Cookies & Sessions implementations
- Django Custom Routing
- ▶ Django Image uploading
- Django file uploading

### Django Rest Framework

- Why Django rest framework is required
- What is API
- ▶ What is Web API
- ▶ What is Rest-Ful API
- ▶ How to create restful API's using Django rest framework
- Working with postmen tool to test our restful API's









# **AngularJS**

- Prerequest to learn angularis
- ▶ What is angular JS
- Working with angular JS directives
- Working with one way and two data binding
- Working with Angular filters

### **Angular 14 Version**

- Introduction to typescript
- ▶ What is typescript
- How to install and develop the typescript
- ▶ What is Transpolations
- Installing of NodeJS
- How to install angular framework
- ▶ How to create an application
- File and folder structure of angular application
- Working with one way data binding
  - a. Interpolation data binding
  - b. Property binding
  - c. Class binding
  - d. Style binding
  - e. Event binding
- Working with Two-way data binding
- Working with custom component
- Integrating bootstrap in angular
- Working with \*ngFor and \*ngIf and \*ngSwitch
- Working with predefine pipes
- Working with custom pipes
- Working with unit testing in angular
- Working with Routing in Angular

## ReactJS

- Why react compare to another framework
- What is react
- Installing of ReactJS
- ► File & folder structure of react application
- Functional component in ReactJS
- Class component in ReactJS
- Working with Custom component
- Working with CSS in reactJS
- Working with Bootstrap integration
- Working with JSX
- ▶ What is state in ReactJS
- ▶ States using functional component
- States using class component
- Working with Props in ReactJS
- Working with Hooks in reactJS
- Working with Redux operations
- Working with MYSQL integration in ReactJS





# Mysql or Oracle Database

- Why database
- ▶ What is database
- ▶ What is SQL
- ► How to install MYSQL database
- Working with DDL commands
- a. create command
- b. alter command
- c. drop command
- d. rename command
- e. truncate command
- Working with DML commands
- a. insert command
- b. update command
- c. delete command
- d. select command
- Working with constrains
- a. primary key
- b. foreign key
- c. unique key
- d. null key
- Working with order by clause
- Working with where clause
- Working with having clause
- Transactional commands
- a. rollback
- b. commit
- c. save point
- Working with joins
- ▶ inner join
- outer join
- cross join
- ▶ full join





#### Flask

- ▶ Prerequest to Learn Flask
- ▶ What is Flask
- ▶ Why Flask compares to Django
- ► How to install flask
- ► How to create flask applications
- ► How to integrate routing in flask
- How to develop frontend development using flask
- ▶ How to connect database with flask



#### Flask with Flask restful with microservices

- ▶ What is flask restful
- What is microservice
- ▶ How to develop microservice based restful API'S
- Implementing the microservice using flask restful

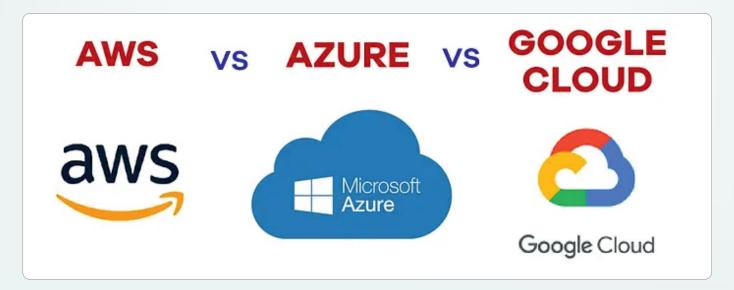
#### FastAPI with Microservices

- ▶ What is Fast API
- ▶ Why FastAPI compare to flask restful & Django rest framework
- ▶ Develop the restful APIS with FastAPI with mongo DB implementation



# Cloud with Python integration

- ► AWS with Python integration
- ► Azure with Python Integration
- ▶ GCP with Python Integration





# Recently Placed Students

1				
S.No	Name	Package	Role	Company
1	B.Sankar rao	3 LPA	Devolper	Cloud 4C
2	Shashi kumar	3.5 LPA	Devolper	Cloud 4C
3	Mohan sri nagaraju	3.5 LPA	Devolper	Eurasian software solutions
4	Shishir patil	3.6 LPA	Devolper	Tecnics integration tecnologies
5	Rajkumar aravind	3.5 LPA	Devolper	Cloud 4C
6	Apoorva	3.5 LPA	Devolper	Cloud 4C
7	P.Sowmya	3.6 LPA	Devolper	Cloud 4C
8	Vemula Ravi	3 LPA	Devolper	Mantra technologies
9	K.Bhargavi	3.2 LPA	Devolper	Cloud 4C
10	C.Raja phanindra	3 LPA	Devolper	Cloud 4C
11	Kajal guptha	3 LPA	Devolper	Cloud 4C
12	Rupesh	3.5 LPA	Devolper	Cloud 4C
13	M.Rakesh	3 LPA	Devolper	Cloud 4C
14	Neha reddy	16 LPA	Devolper	Amazon
15	M.Ramesh	4 LPA	Devolper	Mantra technologies
16	Narasimha reddy	3 LPA	Devolper	Cloud 4C
17	Ajay.G	4.8 LPA	Devolper	Inirac
18	Murali	4 LPA	Devolper	Inirac
19	Umend chandra	3.2 LPA	Devolper	Cloud 4C
20	Uzzam quadri		Devolper	
21	B. Pavan	4.25 LPA	Devolper	HCL
22	Madhava	4 LPA	Devolper	Bits Cloud
23	Vineela	3.2 LPA	Devolper	Sticsoft
24	Naga sai madhu	3.2 LPA	Devolper	Sticsoft
25	Krishna Gayathri	3 LPA	Devolper	Cloud 4C
26	Rajitha	2.4 LPA	Devolper	
27	Sai krishna	3.2 LPA	Devolper	
28	V.Rajesh	3.2 LPA	Devolper	Engro Technologies
29	BittuSharma	7.2 LPA	Devolper	Navsoft
30	Mangesh	4 LPA	Devolper	Hitachi
31	Ojaswini	3.2 LPA	Devolper	Phoenix
32	Abdul Rashed	4 LPA	Devolper	Navtech Cloud
33	P. Vijay krishna	3.5 LPA	Devolper	Infosys
34	Ravindra	4 LPA	Devolper	Mindtree limited
35	Roop Kiran	3.3 LPA	Devolper	TCS
36	Pakirappa	9 LPA	Devolper	Innominds
37	Sai Chandra	3 LPA	Devolper	Cloud 4C
38	Sai Shilpa	3.6 LPA	Devolper	HCL
39	Prashanth	8 LPA	Devolper	Evoke Technology
40	Sai Sandesh	3.2 LPA	Devolper	тсѕ
41	Vineel	3.6 LPA	Devolper	Infosys
42	SaiTeja	3.6 LPA	Devolper	Infosys
43	Dhanesh	3.5 LPA	Devolper	Hexaware
44	Madhava M	4 LPA	Devolper	BitsCloud
45	Karthik	2.4 LPA	Devolper	Quadrant
46	Jeevan	3.36 LPA	Devolper	TCS
47	Arrthi	5.1 LPA	Devolper	Daikin
48	Charani	5.1 LPA	Devolper	Daikin
49	Sudheer	5.1 LPA	Devolper	Daikin
50	Madhav sai	3.2 LPA	Devolper	HCL
51	Murali Krishna	3 LPA	Devolper	Cloud 4C



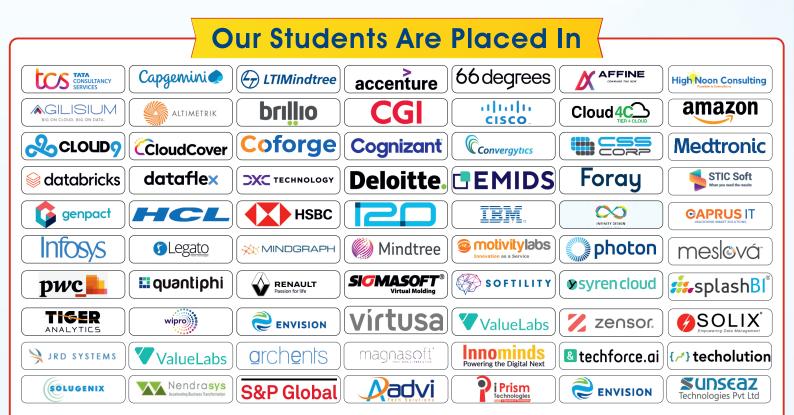
# RamanaSoft Offices Ameerpet Madhapur











**Quality**Thought

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