



ADITYA COLLEGE OF ENGINEERING
(UGC-Autonomous Institution)

(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
Madanapalle -517325, Annamayya Dist., A.P. www.acem.ac.in



Ref. No. ACEM/CSE/WS/2024-25/05

Date: 18-03-2025

CIRCULAR

All III B. Tech students are hereby informed that Departments of CSE(AI), CSE and AI&DS are jointly organizing a Workshop on “**Prototype/ Process Design & Development**” on 22nd March 2025 (i.e. Saturday) from 10:30 AM to 1:00 PM in Auditorium (Room. No. 001). The resource person for the program is **Mr. D. Manjunatha Reddy**, Senior Cloud Development Engineer, Citrix Systems inc., Bangalore.

Therefore, all the above said students are hereby instructed to attend it without fail.

K. Srinivas Reddy

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MADANAPALLE - 517 325

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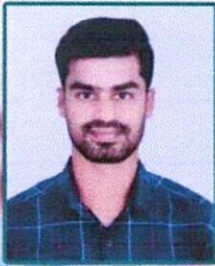




ADITYA COLLEGE OF ENGINEERING
(UGC - AUTONOMOUS)



PUNGANUR ROAD, VALASAPALLI POST, MADANAPALLE - 517325



Resource Person

D. Manjunatha Reddy

Senior Cloud Development Engineer

Citrix Systems inc.,
Bangalore

Workshop

On

**PROTOTYPE / PROCESS DESIGN
& DEVELOPMENT**

IN ASSOCIATION WITH IIC

Venue : 001 Auditorium : Time 10.30 AM

Date : 22-03-2025

Organised by : Dept. of CSE (AI), AI & DS, CSE





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Date:08.04.2025

Report on a Workshop

Title of the Event / Program	PROTOTYPE/ PROCESS DESIGN & DEVELOPMENT
Date of Event	22.03.2025
Time	10:30 AM
Target Audience	Third Year Students from CSE(AI), CSE and AI&DS Departments.
No. of participants	202
Chief guest	Dr. K. Sathish Babu, Principal, ACEM
Organized by	Department of CSE (AI) & Institution's Innovation Council
Faculties In-charge	1. Mrs. N. Tejaswini, Asst. Professor, Dept. of CSE (AI) 2. Mrs. G. Devika, Asst. Professor, Dept. of CSE 3. Mr. T. Soma Sekhar, Asst. Professor, Dept. of CSE (AI)
Venue	Auditorium (Room No.001)
Resource Person	Mr. D. Manjunatha Reddy, Senior Cloud Development Engineer, Citrix Systems inc., Bangalore





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Description of the Program

A workshop titled "Prototype/ Process Design & Development" was conducted with the objective of introducing participants to the practical applications and technical insights of Ansible — a modern, efficient, and powerful automation tool widely used for configuration management and IT orchestration.

The session provided a comprehensive understanding of how Ansible simplifies automation tasks by using YAML-based playbooks, enabling users to manage infrastructure in a scalable and reliable manner. Key topics discussed during the workshop included:

Overview of Configuration Management

- Introduction to Ansible and its Architecture
- Key Features and Benefits of Ansible
- Understanding Playbooks and Modules
- Real-time Demonstrations and Use Cases

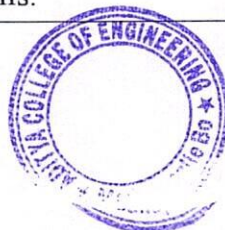
Participants engaged in hands-on exercises that involved writing and executing basic playbooks, managing remote systems, and automating routine tasks. The workshop emphasized the importance of automation in DevOps and how Ansible helps bridge the gap between development and operations teams.

The session concluded with a vote of thanks to the resource person for delivering an insightful and interactive presentation. A memento was awarded as a token of appreciation for their valuable contribution.

Outcomes:

- Enhanced understanding of Ansible's architecture and functionality.
- Practical exposure to writing Ansible playbooks.
- Increased awareness of automation tools in IT infrastructure management.

The workshop was a resounding success, with positive feedback from all participants. It helped bridge theoretical knowledge with industry-relevant practical skills.





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Photographs of the event

ADITYA COLLEGE OF ENGINEERING
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Workshop
On
PROTOTYPE / PROCESS DESIGN & DEVELOPMENT
IN ASSOCIATION WITH IIC

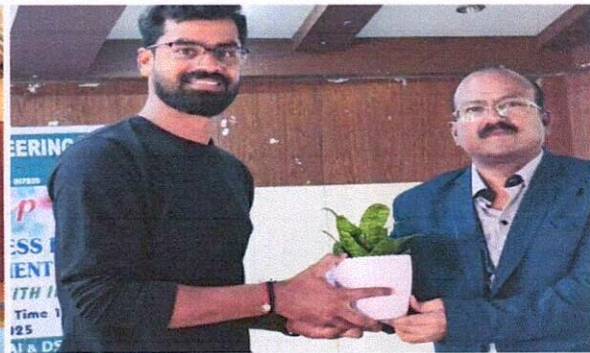
Resource Person
D.Manjunatha Reddy
Senior Client Development Engineer
CITIZ Systems Inc.,
Bangalore

Venue : 001 Auditorium : Time 10.30 AM
Date : 22-03-2025

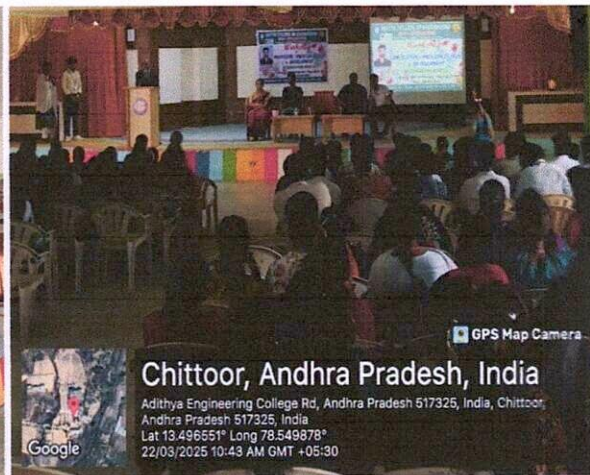
Organised by : Dept. of CSE (AI), AI & DS, CSE



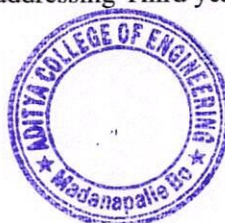
Dr. K. Sathish Babu, Principal, ACEM, lighting the lamp during the inaugural session.



Inviting the dignitaries on to the stage.



Dr. K. Sathish Babu, Principal, ACEM, addressing Third year students participating in the Workshop.





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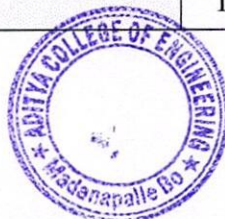
ATTENDANCE SHEET

Name of the Event : A Workshop on "Prototype/ Process Design & Development"

Date of Event Organized : 22-03-2025

No. of Students attended : 202

S. No	Roll Number	Name of the Student	Year & Program	Signature of the Student
1.	228P1A0501	Akhila G	III B. Tech - CSE	
2.	228P1A0502	Anisa S	III B. Tech - CSE	
3.	228P1A0503	Anitha A	III B. Tech - CSE	
4.	228P1A0504	Anjali B	III B. Tech - CSE	
5.	228P1A0505	Anushka B	III B. Tech - CSE	
6.	228P1A0506	Apsana S	III B. Tech - CSE	
7.	228P1A0507	Aswani N	III B. Tech - CSE	
8.	228P1A0508	Bhargavi M	III B. Tech - CSE	
9.	228P1A0509	Bhavani G	III B. Tech - CSE	
10.	228P1A0510	Bhavya V	III B. Tech - CSE	
11.	228P1A0511	Bhuvaneswari O	III B. Tech - CSE	
12.	228P1A0512	Chandana Deeksha J	III B. Tech - CSE	
13.	228P1A0513	Chandana G	III B. Tech - CSE	
14.	228P1A0514	Chandana M	III B. Tech - CSE	
15.	228P1A0515	Dharshinika K	III B. Tech - CSE	
16.	228P1A0516	Deepika B	III B. Tech - CSE	
17.	228P1A0517	Divya A	III B. Tech - CSE	
18.	228P1A0518	Diwakar Reddy N	III B. Tech - CSE	
19.	228P1A0519	Eswaramma K	III B. Tech - CSE	
20.	228P1A0520	Govardhan Reddy C	III B. Tech - CSE	
21.	228P1A0521	Gowripriya G	III B. Tech - CSE	
22.	228P1A0522	Harathi B	III B. Tech - CSE	



24.	228P1A0524	Harika N	III B. Tech - CSE	N. Harika
25.	228P1A0525	Harsha Sri Sankar V	III B. Tech - CSE	Harsha Sri
26.	228P1A0526	Hemanth Kumar S	III B. Tech - CSE	Hemanth
27.	228P1A0527	Hemanth S	III B. Tech - CSE	Hemanth
28.	228P1A0528	Himasree K	III B. Tech - CSE	Himasree
29.	228P1A0529	Indhu J	III B. Tech - CSE	Indhu
30.	228P1A0530	Jahnvi B	III B. Tech - CSE	Jahnvi
31.	228P1A0531	Jahnvi G	III B. Tech - CSE	Jahnvi G
32.	228P1A0532	Janardhana M	III B. Tech - CSE	Janardha
33.	228P1A0533	Jaswitha R V	III B. Tech - CSE	Jaswitha R V
34.	228P1A0534	Jayalakshmi K	III B. Tech - CSE	Jayalaxmi
35.	228P1A0535	Jayasree L	III B. Tech - CSE	Jayalakshmi
36.	228P1A0536	Kavitha P	III B. Tech - CSE	Kavitha
37.	228P1A0537	Kavya D	III B. Tech - CSE	Kavya
38.	228P1A0538	Kavya Sree S	III B. Tech - CSE	Kavyasree
39.	228P1A0539	Lahari A	III B. Tech - CSE	Lahari A
40.	228P1A0540	Lakshman Kumar B	III B. Tech - CSE	Lakshman Kumar
41.	228P1A0541	Lakshmi Devi M	III B. Tech - CSE	Lakshmi Devi
42.	228P1A0543	Lakshmi Navya V	III B. Tech - CSE	Lakshmi
43.	228P1A0544	Lavanya A	III B. Tech - CSE	Lavanya
44.	228P1A0545	Lekhini S	III B. Tech - CSE	Lekhini
45.	228P1A0546	Madhu Sudhan Reddy P	III B. Tech - CSE	Madhu
46.	228P1A0548	Mahammad Rafi V	III B. Tech - CSE	Mahammad
47.	228P1A0549	Maneera B	III B. Tech - CSE	Maneera
48.	228P1A0550	Mani Prasad Reddy Y	III B. Tech - CSE	Mani Prasad Reddy
49.	228P1A0551	Manohar Reddy P	III B. Tech - CSE	Manohar
50.	228P1A0553	Meghana R	III B. Tech - CSE	Meghana
51.	228P1A0554	Mohammad Tahir S	III B. Tech - CSE	Mohammad
52.	228P1A0555	Monalisa C	III B. Tech - CSE	Monalisa
53.	228P1A0556	Nanda Kishor D	III B. Tech - CSE	Nanda
54.	228P1A0557	Nandini S	III B. Tech - CSE	Nandini
55.	228P1A0558	Naveen Kumar G	III B. Tech - CSE	Naveen Kumar



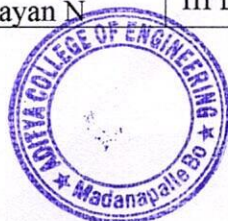
56.	228P1A0559	Naveen Kumar Reddy C	III B. Tech - CSE	C. Naveen Kumar Reddy
57.	228P1A0560	Nikitha G	III B. Tech - CSE	Nikitha
58.	228P1A0561	Nithin J B	III B. Tech - CSE	Nithin
59.	228P1A0562	Saket Kumar	III B. Tech - CSE	Saket Kumar
60.	228P1A0563	Thribhuvan P	III B. Tech - CSE	Thribhuvan
61.	228P1A0564	Vejasree V	III B. Tech - CSE	Vejasree
62.	218P1A0512	Bhargava P	III B. Tech - CSE	Bhargava
63.	228P1A0565	Nagendra K	III B. Tech - CSE	Nagendra
64.	228P1A0566	Narendra	III B. Tech - CSE	Narendra
65.	228P1A0567	Nithin O	III B. Tech - CSE	Nithin
66.	228P1A0568	Pallavi D	III B. Tech - CSE	Pallavi
67.	228P1A0569	Pallavi K	III B. Tech - CSE	Pallavi
68.	228P1A0570	Pavani G	III B. Tech - CSE	Pavani
69.	228P1A0571	Poojitha B	III B. Tech - CSE	Poojitha
70.	228P1A0572	Poojitha S	III B. Tech - CSE	Poojitha
71.	228P1A0573	Praneeth Kumar Reddy A	III B. Tech - CSE	Praneeth
72.	228P1A0574	Raghupathy K	III B. Tech - CSE	Raghupathy
73.	228P1A0575	Rajeswari B	III B. Tech - CSE	Rajeswari
74.	228P1A0576	Rakshitha B	III B. Tech - CSE	Rakshitha
75.	228P1A0577	Reddy Almas S	III B. Tech - CSE	Almas
76.	228P1A0578	Reddy Joshna C	III B. Tech - CSE	Joshna
77.	228P1A0580	Reddy Sai P	III B. Tech - CSE	Sai
78.	228P1A0581	Reddy Sreeja S	III B. Tech - CSE	Reddy Sai
79.	228P1A0582	Reddy Varun K	III B. Tech - CSE	R. Varun
80.	228P1A0583	Reddy Yasaswi D	III B. Tech - CSE	Yasaswi Reddy
81.	228P1A0584	Rekha G	III B. Tech - CSE	Rekha
82.	228P1A0585	Rohitha N	III B. Tech - CSE	Rohitha
83.	228P1A0586	Roshan Kumar M	III B. Tech - CSE	Roshan Kumar
84.	228P1A0587	Sai Pragathi R	III B. Tech - CSE	Pragathi
85.	228P1A0588	Sai Sree Y	III B. Tech - CSE	Sai Sree
86.	228P1A0589	Salman S	III B. Tech - CSE	Salman
87.	228P1A0590	Sandhya K	III B. Tech - CSE	Sandhya



88.	228P1A0591	Sandhya K	III B. Tech - CSE	Gandhya
89.	228P1A0592	Santhosh K	III B. Tech - CSE	Santhosh
90.	228P1A0593	Santhosh Kumar Reddy B	III B. Tech - CSE	Santhosh
91.	228P1A0594	Sazedd K	III B. Tech - CSE	Sazedd
92.	228P1A05A2	Megada Sruthi P	III B. Tech - CSE	Sruthi
93.	228P1A05A6	Tafeem Kousar S	III B. Tech - CSE	Tafeem Kousar
94.	228P1A05A7	Tejasree T	III B. Tech - CSE	Tejasree
95.	228P1A05B6	Vyshnavi S	III B. Tech - CSE	Vyshnavi
96.	238P5A0505	Koushik Reddy R	III B. Tech - CSE	Koushik
97.	228P1A3001	Aakash K	III B. Tech - AI&DS	Aakash
98.	228P1A3002	Amrutha P	III B. Tech - AI&DS	Amrutha P.
99.	228P1A3003	Anjali K	III B. Tech - AI&DS	Anjali
100.	228P1A3004	Arjun M	III B. Tech - AI&DS	Arjun
101.	228P1A3006	Chaithanya G	III B. Tech - AI&DS	Chaithanya
102.	228P1A3007	Chandana M	III B. Tech - AI&DS	Chandana
103.	228P1A3009	Feroz Hussain S	III B. Tech - AI&DS	Feroz Hussain
104.	228P1A3010	Gopi Krishna G	III B. Tech - AI&DS	Gopinath
105.	228P1A3011	Harikrishna T	III B. Tech - AI&DS	harikrishna
106.	228P1A3012	Harshitha B	III B. Tech - AI&DS	Harshitha
107.	228P1A3013	Himavarshini A R	III B. Tech - AI&DS	Himavarshini
108.	228P1A3014	Hithaishi C R	III B. Tech - AI&DS	Hithaishi C R
109.	228P1A3015	Huzaifa S	III B. Tech - AI&DS	Huzaifa
110.	228P1A3016	Kowsik Sai V	III B. Tech - AI&DS	Kowsik Sai
111.	228P1A3017	Kushal Kumar Reddy N	III B. Tech - AI&DS	Kushal
112.	228P1A3018	Likhitha A	III B. Tech - AI&DS	Likhitha
113.	228P1A3020	Madeeha Taj T S	III B. Tech - AI&DS	Madeeha
114.	228P1A3021	Manjunatha M	III B. Tech - AI&DS	Manjunatha
115.	228P1A3022	Meghana K	III B. Tech - AI&DS	Meghana
116.	228P1A3023	Mohammad Faiz B A	III B. Tech - AI&DS	Faiz
117.	228P1A3024	Mohammed Faizan V	III B. Tech - AI&DS	Faizan
118.	228P1A3025	Mohammed Kaif S	III B. Tech - AI&DS	Kaif
119.	228P1A3026	Nanditha C P	III B. Tech - AI&DS	Nanditha



120.	228P1A3027	Navya K	III B. Tech - AI&DS	Navya.K
121.	228P1A3028	Navya M	III B. Tech - AI&DS	M.Navya
122.	228P1A3029	Obulamma Y	III B. Tech - AI&DS	Y.Obu
123.	228P1A3030	Pavani B	III B. Tech - AI&DS	Pavani B.
124.	228P1A3031	Pavithra J	III B. Tech - AI&DS	Sadh.S
125.	228P1A3034	Sadhaq S	III B. Tech - AI&DS	Y. Saji
126.	228P1A3035	Sajani Y	III B. Tech - AI&DS	Y.Sajani
127.	228P1A3036	Sameer S	III B. Tech - AI&DS	Sameer
128.	228P1A3037	Sandeep T	III B. Tech - AI&DS	T. Sandeep
129.	228P1A3038	Saneesh Kumar G	III B. Tech - AI&DS	G. Saneesh
130.	228P1A3039	Sanja Mehek S	III B. Tech - AI&DS	S. Sanja mehek
131.	228P1A3040	Saritha M	III B. Tech - AI&DS	Saritha
132.	228P1A3041	Shabeer S	III B. Tech - AI&DS	Shabeer
133.	228P1A3042	Sheefa Khanam P	III B. Tech - AI&DS	P. Sheefa
134.	228P1A3043	Shilpa C	III B. Tech - AI&DS	Shilpa
135.	228P1A3044	Shirisha P	III B. Tech - AI&DS	P. Shirisha
136.	228P1A3045	Sivashankar Varaprasad M	III B. Tech - AI&DS	M. Sivashankar
137.	228P1A3046	Sravani G	III B. Tech - AI&DS	G. Sravani
138.	228P1A3047	Sri Nandini K	III B. Tech - AI&DS	K. Sri Nandini
139.	228P1A3048	Suheb S	III B. Tech - AI&DS	Alomudhvi
140.	228P1A3049	Sumiya S	III B. Tech - AI&DS	S. Sumiya
141.	228P1A3050	Swathi S	III B. Tech - AI&DS	Swathi S
142.	228P1A3051	Taliya Fathima S	III B. Tech - AI&DS	S. Taliya Fathima
143.	228P1A3052	Varshitha K	III B. Tech - AI&DS	K. Varshitha
144.	228P1A3053	Venkatesh K	III B. Tech - AI&DS	Venkatesh K
145.	228P1A3054	Vishnu K	III B. Tech - AI&DS	Vishnu K
146.	228P1A3055	Vishnu Vardhan D	III B. Tech - AI&DS	D. Vishnu Vardhan
147.	228P1A3056	Vyshnavi G	III B. Tech - AI&DS	Vyshnavi
148.	228P1A3057	Yashaswini G	III B. Tech - AI&DS	Yashaswini
149.	228P1A3058	Hemanth A	III B. Tech - AI&DS	A. Hemanth
150.	238P5A3001	Ashok Kumar A	III B. Tech - AI&DS	A. Ashok Kumar
151.	238P5A3002	Mohammad Rayan N	III B. Tech - AI&DS	Mohammad



152.	238P5A3003	Sivakrishna M	III B. Tech - AI&DS	Sivakrishna
153.	228P1A3101	Afreen Anjum K	III B. Tech - CAI	Afreen
154.	228P1A3102	Alsaba S	III B. Tech - CAI	Alsaba
155.	228P1A3103	Asfiya Anjum S	III B. Tech - CAI	Anjum
156.	228P1A3104	Balaji G	III B. Tech - CAI	Balaji
157.	228P1A3105	Bhanu Priya K	III B. Tech - CAI	Bhanu Priya
158.	228P1A3106	Bhagyasree P	III B. Tech - CAI	Bhagyasree P.
159.	228P1A3107	Bhavya Sree B	III B. Tech - CAI	Bhavya Sree
160.	228P1A3108	Bhumika J	III B. Tech - CAI	Bhumika
161.	228P1A3109	Chandra Mohan G	III B. Tech - CAI	Mohan
162.	228P1A3110	Charitha R	III B. Tech - CAI	Charitha
163.	228P1A3112	Deepika G	III B. Tech - CAI	Deepika G
164.	228P1A3113	Dilli Prasanna S	III B. Tech - CAI	Dilli Prasanna
165.	228P1A3114	Dinesh Reddy K	III B. Tech - CAI	Dinesh Reddy
166.	228P1A3115	Durgesh A	III B. Tech - CAI	Durgesh
167.	228P1A3116	Eswar P	III B. Tech - CAI	Eswar
168.	228P1A3117	Farhan Khan H	III B. Tech - CAI	Farhan Khan
169.	228P1A3118	Ganesh Reddy D	III B. Tech - CAI	Ganesh Reddy
170.	228P1A3119	Greeshma K	III B. Tech - CAI	Greeshma K.
171.	228P1A3120	Halima Sadiya S	III B. Tech - CAI	Halima Sadiya
172.	228P1A3121	Heena Kousar S	III B. Tech - CAI	Heena
173.	228P1A3122	Hima Bindu S	III B. Tech - CAI	Hima Bindu
174.	228P1A3123	Himaja Reddy L	III B. Tech - CAI	Himaja Reddy
175.	228P1A3124	Huzaiifa K S	III B. Tech - CAI	Huzaiifa
176.	228P1A3125	Imam Shaheed P	III B. Tech - CAI	Imam Shaheed
177.	228P1A3126	Janaki A	III B. Tech - CAI	Janaki
178.	228P1A3127	Kavya V	III B. Tech - CAI	Kavya
179.	228P1A3128	Lokesh V	III B. Tech - CAI	Lokesh
180.	228P1A3129	Madhusree E	III B. Tech - CAI	Madhusree
181.	228P1A3130	Mayuri K	III B. Tech - CAI	Mayuri K.
182.	228P1A3131	Mohith Reddy B	III B. Tech - CAI	Mohith Reddy
183.	228P1A3132	Monika S	III B. Tech - CAI	Monika S.

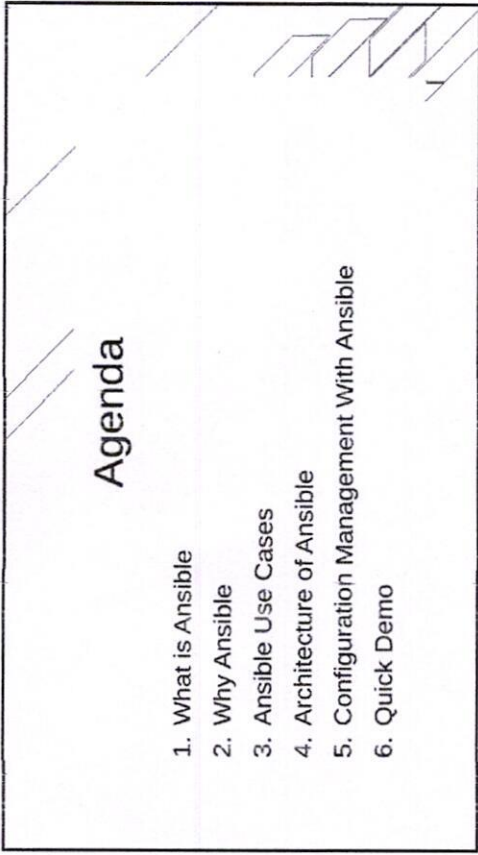
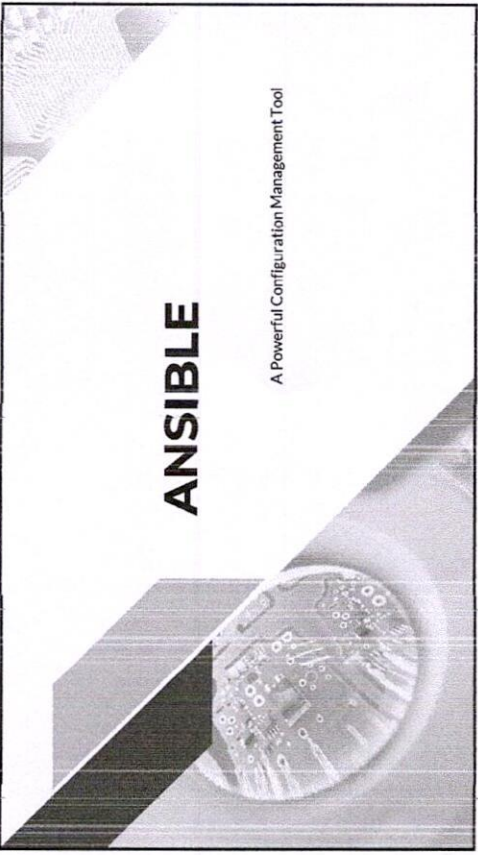


184.	228P1A3133	Mounika K	III B. Tech - CAI	Mounika K
185.	228P1A3134	Muhammad Zaid Khan H	III B. Tech - CAI	Zaid
186.	228P1A3135	Nawaz Basha M	III B. Tech - CAI	Nawaz
187.	228P1A3136	Pavani A	III B. Tech - CAI	Pavani
188.	228P1A3137	Prasanna Lakshmi P	III B. Tech - CAI	Prasanna
189.	228P1A3138	Pravallika B	III B. Tech - CAI	Pravallika
190.	228P1A3139	Rakshitha G K	III B. Tech - CAI	G.K. Rakshitha
191.	228P1A3140	Reddy Parvathi B	III B. Tech - CAI	Parvathi B
192.	228P1A3141	Revathi G	III B. Tech - CAI	Revathi
193.	228P1A3142	Sandhya Rani T	III B. Tech - CAI	Sandhya Rani T
194.	228P1A3144	Sathvika A	III B. Tech - CAI	Sathvika A
195.	228P1A3145	Sindhuri C	III B. Tech - CAI	Sindhuri C
196.	228P1A3146	Sruthi Laya K	III B. Tech - CAI	Sruthi Laya
197.	228P1A3147	Subhash Reddy G	III B. Tech - CAI	G. Subhash
198.	228P1A3148	Shaik Thasmiya	III B. Tech - CAI	S. Thasmiya
199.	228P1A3149	Thasmiya S	III B. Tech - CAI	Thasmiya S
200.	228P1A3150	Varshitha E	III B. Tech - CAI	Varshitha
201.	228P1A3151	Venkatesh S	III B. Tech - CAI	Venkatesh S
202.	238P5A3101	Rohith Sharma D S	III B. Tech - CAI	Rohith Sharma

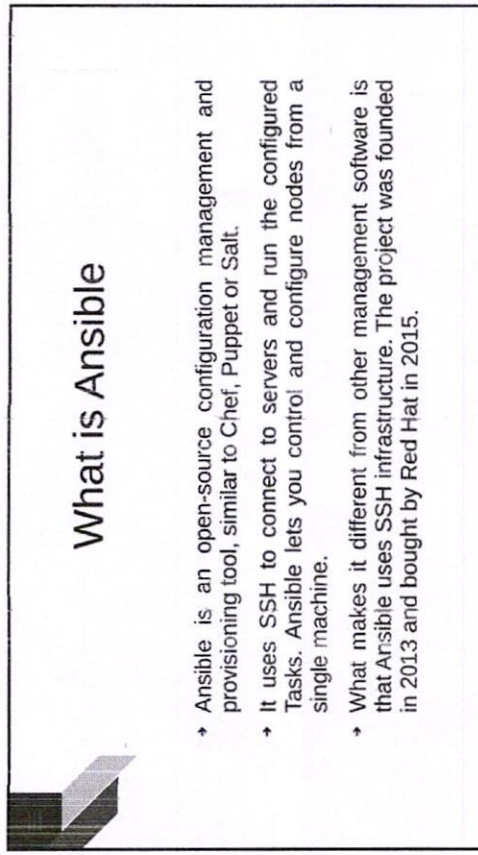


K. Luni Baboo

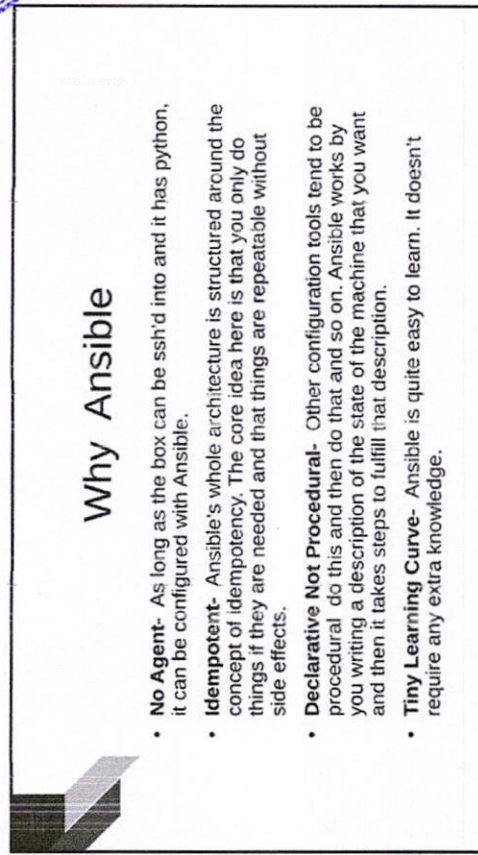
PRINCIPAL
ADITYA COLLEGE OF ENGINEERING
MADANAPALLE - 517 325.



1. What is Ansible
2. Why Ansible
3. Ansible Use Cases
4. Architecture of Ansible
5. Configuration Management With Ansible
6. Quick Demo



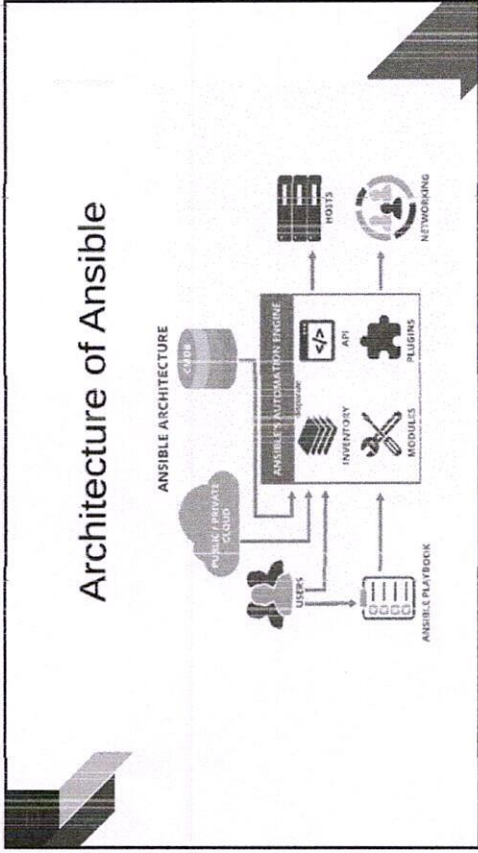
- Ansible is an open-source configuration management and provisioning tool, similar to Chef, Puppet or Salt.
- It uses SSH to connect to servers and run the configured Tasks. Ansible lets you control and configure nodes from a single machine.
- What makes it different from other management software is that Ansible uses SSH infrastructure. The project was founded in 2013 and bought by Red Hat in 2015.



- **No Agent**- As long as the box can be ssh'd into and it has python, it can be configured with Ansible.
- **Idempotent**- Ansible's whole architecture is structured around the concept of idempotency. The core idea here is that you only do things if they are needed and that things are repeatable without side effects.
- **Declarative Not Procedural**- Other configuration tools tend to be procedural do this and then do that and so on. Ansible works by you writing a description of the state of the machine that you want and then it takes steps to fulfill that description.
- **Tiny Learning Curve**- Ansible is quite easy to learn. It doesn't require any extra knowledge.

Ansible Use Cases

- Provisioning
- Configuration Management
- App Deployment
- Continuous Delivery
- Security & Compliance
- Orchestration



Inventory

The Inventory is a description of the nodes that can be accessed by Ansible. By default, the inventory is described by a configuration file, whose default location is `in./etc/ansible/hosts`. The configuration file lists either the IP address or hostname of each node that is accessible by Ansible.

Every host is assigned to a group such as web servers, db servers etc. The inventory file can be in one of many formats such as `yaml`, `INI` etc

Example of an Inventory file

```

mail.example.com
[webservers]
foo.example.com
bar.example.com
[dbservers]
one.example.com
two.example.com
three.example.com
    
```



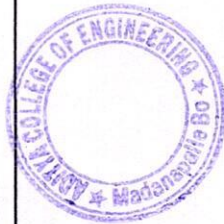
Playbook

Playbooks are simple YAML files. These files are descriptions of the desired state of your systems. Ansible then does the hard work of getting your systems to that state no matter what state they are currently in. Playbooks make your installations, upgrades and day-to-day management repeatable and reliable.

Playbooks are simple to write and maintain. Playbooks are written in a natural language so they are very easy to evolve and edit.

Playbook contains Plays.

Plays contain tasks.
tasks call modules.



Example of an ansible playbook

```
---
- hosts: webservers
  remote_user: root
  tasks:
    - name: ensure apache is at the latest version
      yum: name=httpd state=latest
    - name: ensure apache is running
      service: name=httpd state=started enabled=yes
```

Modules

There are over 1000 modules provided by Ansible to automate every part of the environment. Modules are like plugins that do the actual work in Ansible, they are what gets executed in each playbook task.

Each module is mostly standalone and can be written in a standard scripting language (such as Python, Perl, Ruby, Bash, etc.). One of the guiding properties of modules is idempotency, which means that even if an operation is repeated multiple times, it will always place the system into the same state.

Example of Modules

There are lots of modules such as :
Service, file, copy, iptables etc.

Any Module can be used as :

```
ansible 127.0.0.1 -m service -a "name=httpd state=started"
ansible localhost -m ping
```

Roles

Roles are a way to group tasks together into one container. We could have a role for setting up MySQL, another one for configuring iptables etc.

Roles makes it easy to configure hosts. Any role can be performed on any host or group of hosts such as:

```
- hosts: all
roles:
  - role_1
  - role_2
```

Configuration Management with Ansible

Ansible is the simplest solution for configuring the nodes. It's designed to be minimal in nature, consistent, secure and highly reliable. Any developer, tester or IT manager can easily configure nodes. Any IT person can write playbooks easily.

Ansible configurations are simple data descriptions of your infrastructure (human readable) ensuring everyone on your team will be able to understand the meaning of each configuration task.

Ansible requires nothing more than a password or SSH key in order to start managing systems and can start managing them without installing any agent software.



Thank you!

Workshop on PROTOTYPE/ PROCESS DESIGN AND DEVELOPMENT in association with IIC (Student Feedback Form)

Resource Person: D. MANJUNATHA REDDY

Please read each statement carefully and rate your level of agreement using the scale provided below:

Rating Scale:

- 5 - Excellent
- 4 - Very Good
- 3 - Good
- 2 - Fair
- 1 - Poor

Name *

Lokesh

Roll Number *

228p1a3128

Department *

Dropdown

CAI



Organization of Subject in Logical Sequence *

- 5
- 4
- 3
- 2
- 1

Clarity and audibility of Speech *

- 5
- 4
- 3
- 2
- 1

Method of explanation with proper Illustrations & Examples *

- 5
- 4
- 3
- 2
- 1



Profound technical knowledge on topic by Resource Person *

- 5
- 4
- 3
- 2
- 1

Way of Raising doubts & Effective clarification of doubts *

- 5
- 4
- 3
- 2
- 1

Relevance of lecture to the topic announced *

- 5
- 4
- 3
- 2
- 1



Interaction with students *

- 5
- 4
- 3
- 2
- 1

Overall Performance *

- 5
- 4
- 3
- 2
- 1

Suggestions if any

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**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
(ARTIFICIAL INTELLIGENCE)
ADITYA COLLEGE OF ENGINEERING
(UGC-Autonomous Institution)
(Approved by AICTE, New Delhi & Affiliated to JNTUA, Anantapuramu)
Madanapalle -517325, Annamaya Dist., A.P. www.aceem.ac.in**



STUDENT FEEDBACK FORMS

Timestamp	Name	Roll Number	Department	Organization of Subject in Logical Sequence	Clarity and audibility of Speech	Method of explanation with proper illustrations & Examples	Way of Raising doubts & Effective clarification of doubts	Relevance of lecture to the topic announced	Overall Performance	Profound technical Knowledge on topic by Resource Person	Interaction with students	Suggestions, if any
22-03-2025 03:18	Janne Pavithra	228P1A3031	AI&DS		5	5	5	5	5	5	5	5
22-03-2025 03:19	Varshitha	228P1A3052	AI&DS		4	5	5	5	5	5	5	5 Good
22-03-2025 03:27	K.Venkatesh	228P1A3053	AI&DS		5	5	5	5	5	5	5	No suggestions. He is perfectly alright. Sir did a good job. Sir asked so many questions to us. Sir was raised the doubts in everyone's mind. Thanking you sir.
22-03-2025 03:57	Kella Akash	228P1A3001	AI&DS		5	5	5	5	5	5	5	5
22-03-2025 04:04	K.Anjali	228P1A3003	AI&DS		5	5	5	5	5	5	5	5 No
22-03-2025 04:07	Arhima varshini	228P1A3013	AI&DS		5	5	5	5	5	5	5	5
22-03-2025 04:11	P.Shirsha	228P1A3044	AI&DS		4	4	5	5	4	5	5	4
22-03-2025 04:43	C P Nandha	228P1A3026	AI&DS		5	5	5	5	5	5	5	5
22-03-2025 04:50	VADDE KOWSIK SAI	228P1A3016	AI&DS		4	4	4	4	4	4	4	5
22-03-2025 05:23	Shak Sameer	228P1A3036	AI&DS		5	5	5	5	5	5	5	5
22-03-2025 05:36	P.Sheefa Khanam	228P1A3042	AI&DS		5	4	5	5	5	5	5	5 Nothing



25-03-2025 05:13	G. Revathi	228P1A3141	CAI		5		4		5		4		4		4		4		4		
25-03-2025 05:17	Durgesh	228P1A3115	CAI		4		4		4		4		4		4		3		4		4
26-03-2025 05:12	A.Sathvika	228P1A3144	CAI		5		5		5		5		5		5		5		5		5

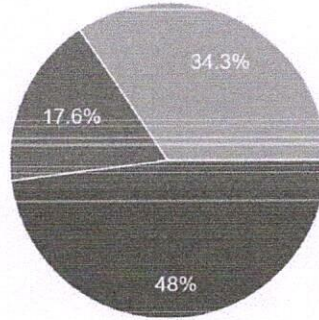




FEEDBACK ANALYSIS - CHARTS

Department

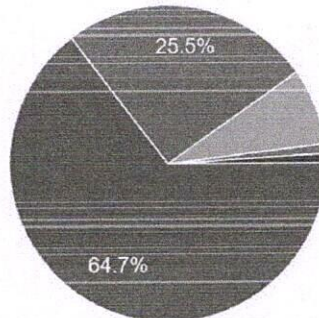
102 responses



- CSE
- AI&DS
- CAI

Organization of Subject in Logical Sequence

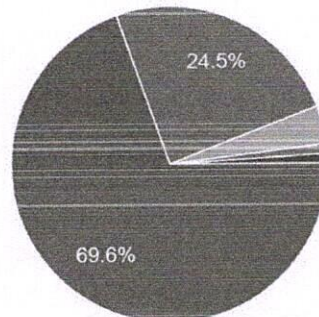
102 responses



- 5
- 4
- 3
- 2
- 1

Clarity and audibility of Speech

102 responses

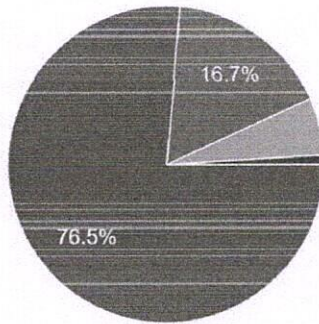


- 5
- 4
- 3
- 2
- 1



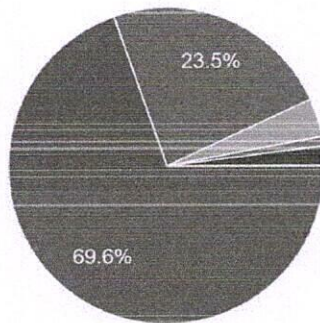
Method of explanation with proper Illustrations & Examples

102 responses



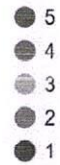
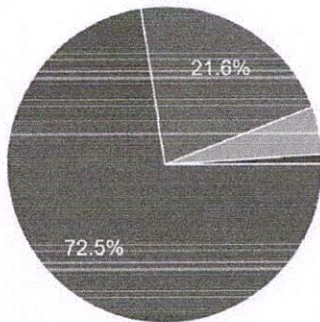
Profound technical knowledge on topic by Resource Person

102 responses



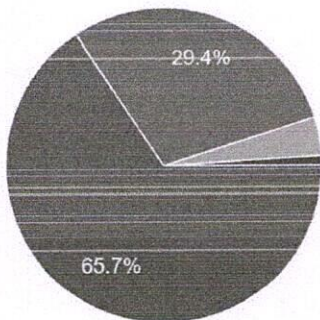
Way of Raising doubts & Effective clarification of doubts

102 responses



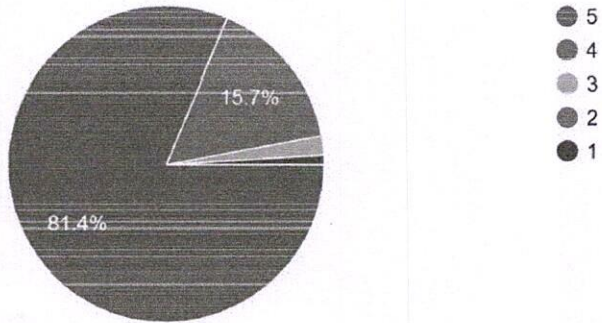
Relevance of lecture to the topic announced

102 responses



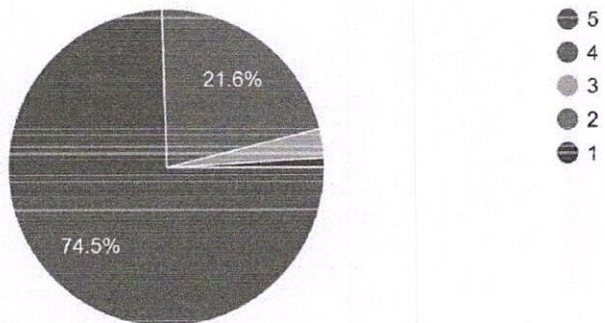
Interaction with students

102 responses



Overall Performance

102 responses



Suggestions if any

43 responses

