



Version Control Management via Git & Github



Session	Dates	Participated Students Count & Target Audience	Amount Sanctioned by SAGTE
Version Control Management via Git & Github	22-02-2021 to 23-02-2032	140 (II/IV B.Tech IT)	2158

Introduction:

Git is a free and open source distributed version control system designed to handle everything from small to very large projects with speed and efficiency. Git is easy to learn and has a tiny footprint with lightning fast performance. It outclasses SCM (Software Code Management) tools like Subversion, CVS, Perforce, and ClearCase with features like cheap local branching, convenient staging areas, and multiple workflows.

GitHub is an American company that provides hosting for software development version control using Git. It is a subsidiary of Microsoft, which acquired the company in 2018. It offers all of the distributed version control and source code management (SCM) functionality of Git as well as adding its own features. It provides access control and several collaboration features such as bug tracking, feature requests, task management, and wikis for every project.

Software Documentation / Technical Documentation is an important task during the product development so that the users need not to worry about how to use your product. From a very small project to a project with a huge number of developers, technical documentation writing is easy by using ReadTheDocs and Sphinx tools.

Course Objectives:

The objective of this course is

- To impart knowledge on version control and source management to the students & Faculty of engineering colleges across the state of Andhra Pradesh as Source Code Management and Version Control are very much important in the life of a software developer.
- To impart knowledge in using ReadTheDocs and Sphinx tools to write software documentation.
- To make the students and faculty develop their portfolio and make it available for the public to visit their portfolio using GitHubPages.

- To make the students & Faculty be able to write and share notes on the regular subjects to their peers and audience without hassle using ReadTheDocs and Sphinx.

Duration:

- 2 Days or 12 Hours for each section (Section A and Section B of III/IV B.Tech IT Students)

Contents Covered:

- Introduction To Source Code Management
- Git Basics
 - Initializing repositories
 - Accessing Existing Repositories
 - Adding / Removing files from Staging area
 - Committing the changes to repository
 - Undoing the commits that are made
- Remote
 - Creating an Account on GitHub
 - Create a remote repository
 - Adding the remotes
 - Push, pull and fetch commands.
- Markdown Syntax
 - Adding text of various styles and formats
 - Adding images along with text
- Creating Ordered / Unordered lists-
 - Adding videos/pdfs to the markdown file
 - Adding links in the markdown file.
- Git Branching
 - Uses of Branching
 - Create Branch
 - Switch to new Branch and back
 - Merge the new branch to Master
 - How to send the branch code to new branch on remote
- Pull Requests
 - Collaborate on existing projects
 - Collaborate on open source projects
 - Sending pull requests and handling them
- GitHub Pages
 - Creation of personal portfolio site
 - Creating a GitHub Page using Markdown and Jekyll themes for repositories.

- Technical Documentation

- ReadTheDocs

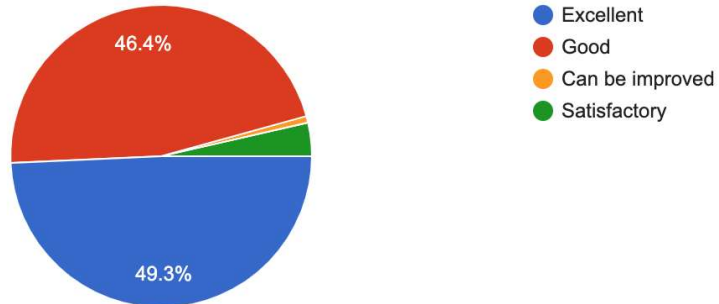
- Sphinx

Course Coordinator : C S Pavan Kumar, Assistant Professor, Dept. of IT

How was the Presentation by the Speaker (from APSSDC)

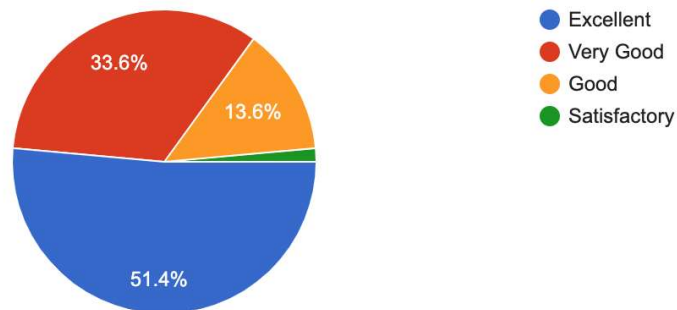


140 responses



Rate the usefulness of the workshop

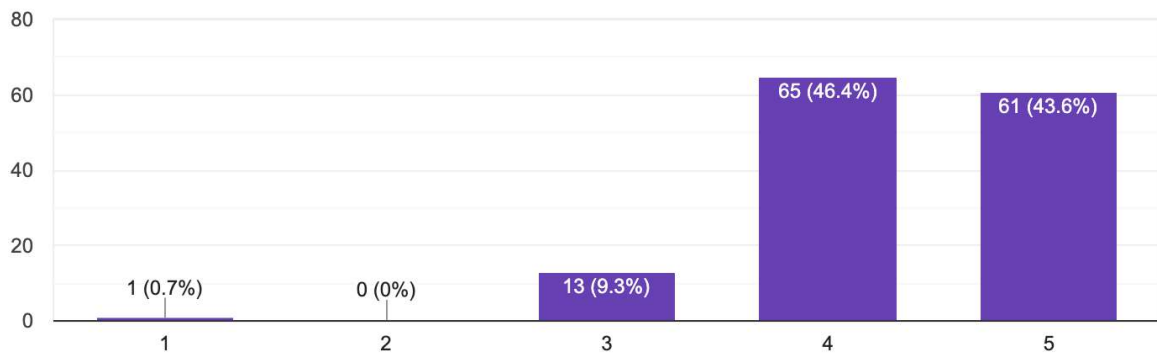
140 responses



Rate the Question Answering Session

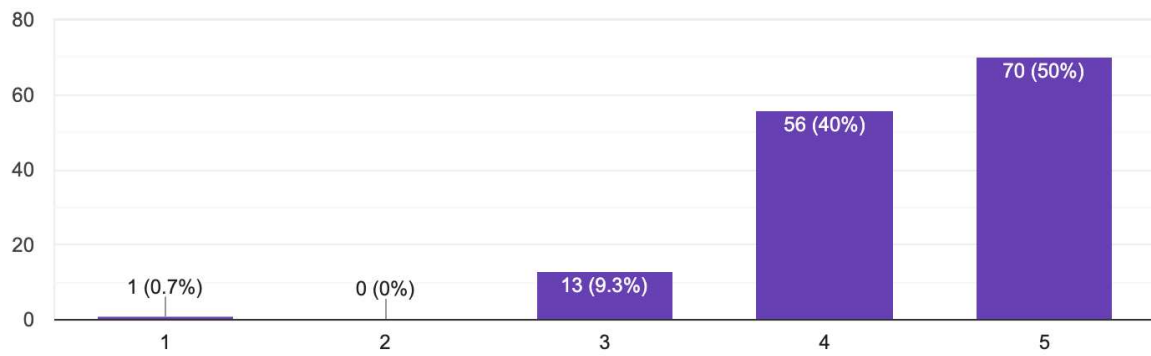


140 responses



Have you able to understand and utilize the GIT and GITHUB computing practice

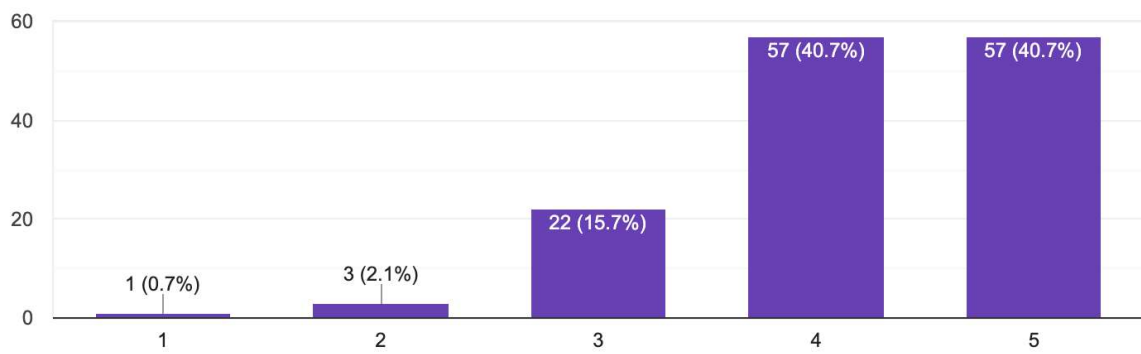
140 responses



Do you got the confidence in managing your project individually and on teams effectively

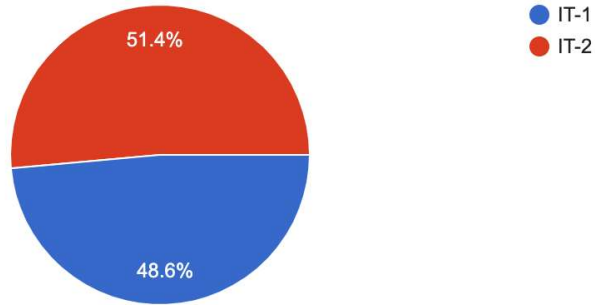


140 responses



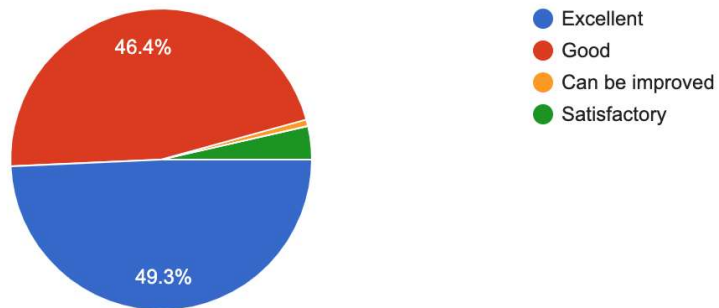
Section

140 responses



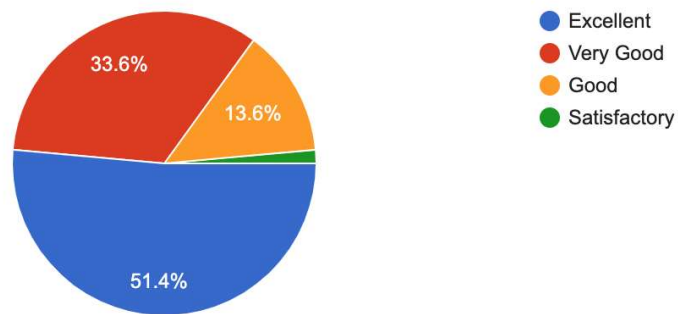
How was the Presentation by the Speaker (from APSSDC)

140 responses



Rate the usefulness of the workshop

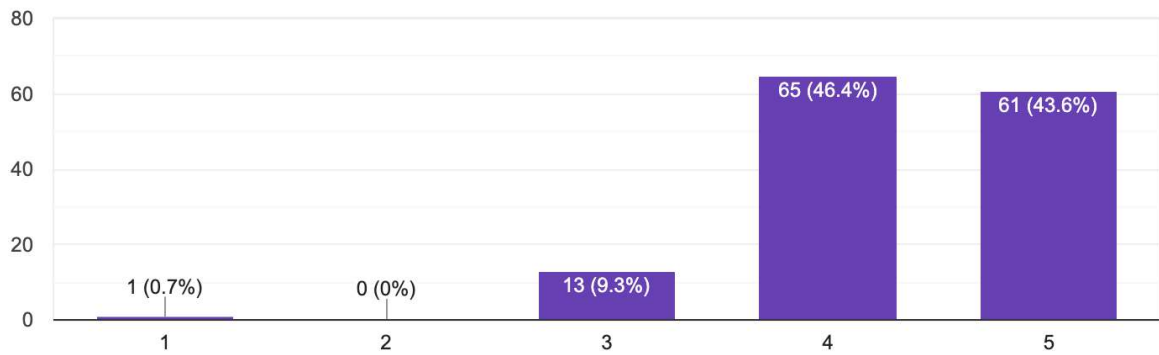
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Rate the Question Answering Session

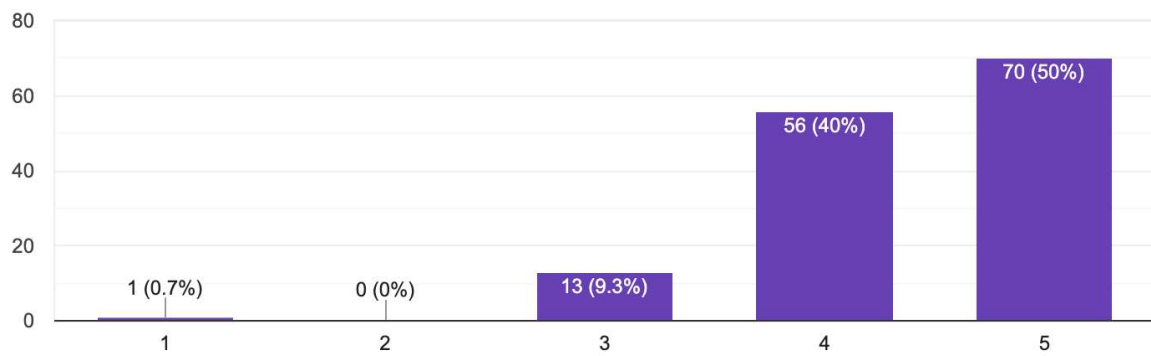


140 responses



Have you able to understand and utilize the GIT and GITHUB computing practice

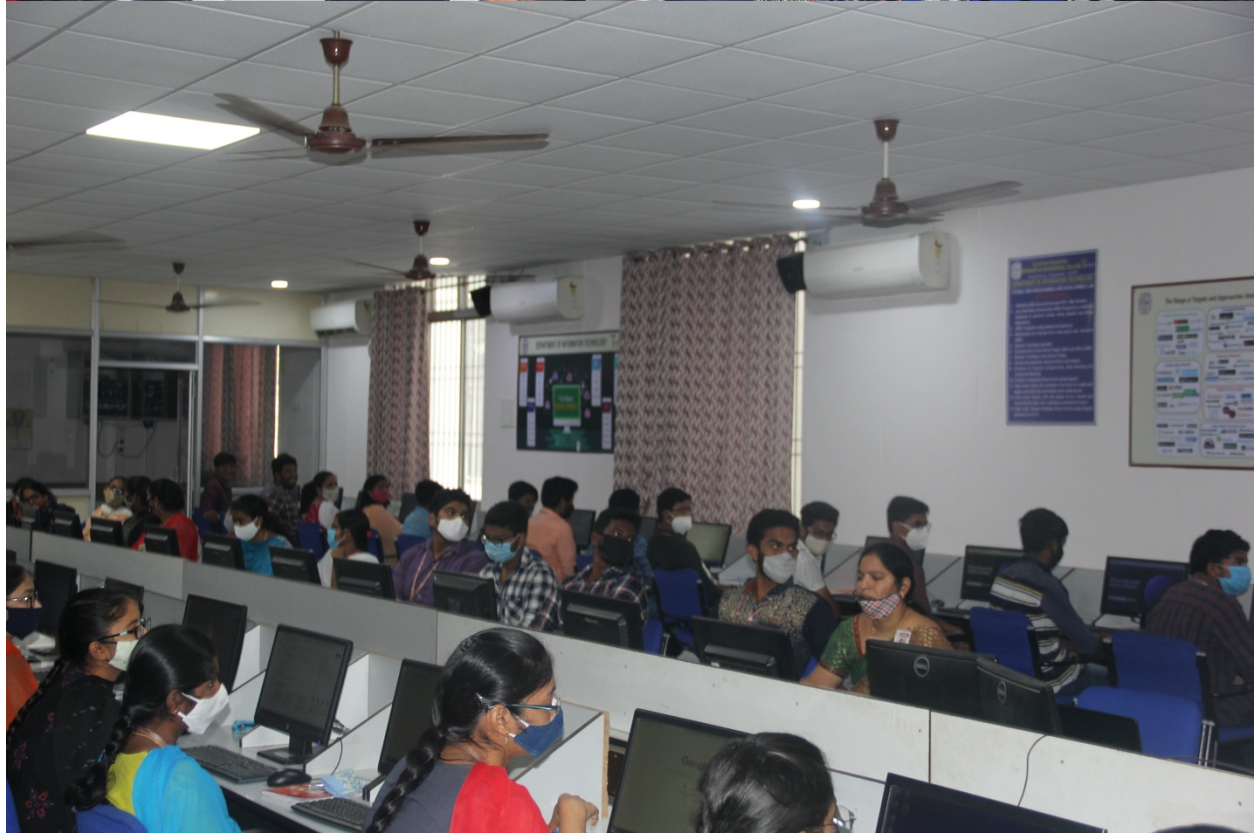
140 responses















Web Development using Django



Session	Dates	Participated Students Count & Target Audience	Amount sanctioned by SAGTE
Web Development Using Django	06 th to 10 th April 2021	110 (III/IV B.Tech IT)	6981

Introduction:

Django is a web application framework written in Python programming language. Django is an open-source python web framework used for rapid development, pragmatic, maintainable, clean design, and secures websites. A web application framework is a toolkit of all components needed for application development. The main goal of the Django framework is to allow developers to focus on components of the application that are new instead of spending time on already developed components. It is fully featured than many other frameworks on the market. It takes care of a lot of hassle involved in web development, enables users to focus on developing components needed for their application. By using Django, we can build web applications in very less time. Django is designed in such a manner that it handles much of configuring things automatically.

Duration:- 6 Days (or) 36 Hours.

Course Objectives:

The objective of this course is

- To impart knowledge on Web development using Frameworks (Django) to the students & Faculty of engineering colleges across the state of Andhra Pradesh.
- This course is for candidate who wants to learn Django from scratch and work through a fully functional Project. This course is apt for those who have been working on Python and intend to move the expertise to the web. Through the ORM framework, candidates can achieve relatively complex functionality quite rapidly.

Contents Covered in the Workshop

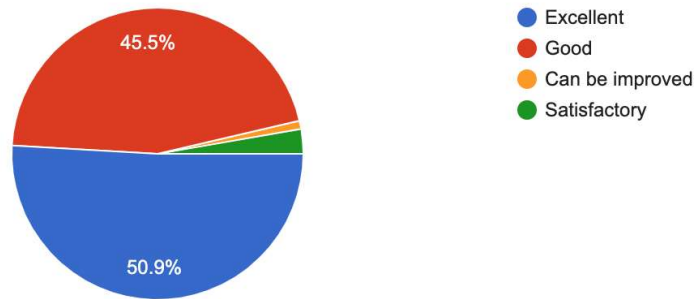
<u>S.No</u>	Topics	Duration
1	Object-Oriented Programming(Classes,Objects)	1Hrs
2	Constructors, inheritance	1Hrs
3	Python Packages and modules using oop's.	1Hrs
4	Django Introduction	30M
5	MVC, MVT,Architecture of Django	30M
6	Django Installation	15M
7	Project Creation, APP creation and use of admin app	45M
8	URL mapping(creation),Dynamic URL mapping,views	3Hrs
9	Interface between controller(urls.py & views.py) files	1Hr

10	Http Request and Responses.	1Hr
11	Django Templates	1Hr
12	Providing an interface between controller and templates	2Hrs
13	Static file handling	1Hrs
14	Data rendering from HTML to views and then views to HTML with example.	2Hrs

15	Model creation	1Hr
16	Migrations, ORM	1Hr
17	Model Queries(Django shell)	2Hrs
18	Superuser Creation(admin part)	1Hr
19	Roles of the superuser.	1Hr
20	Curd operations, Messages generation	5Hrs
21	Form Validations	1Hr
22	Database Connectivity and Database Migrations with MYSQL	1Hr
23	Mail Sending	1Hr
24	File Uploading.	1Hr
25	User Registration and	1Hr
26	User Authentication	1Hr
27	Templates Blocks	1Hr
28	User Profile Creation.	2Hrs

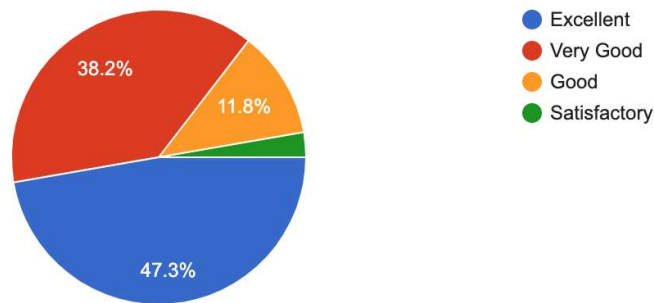
How was the Presentation by the Speaker (from APSSDC)

110 responses



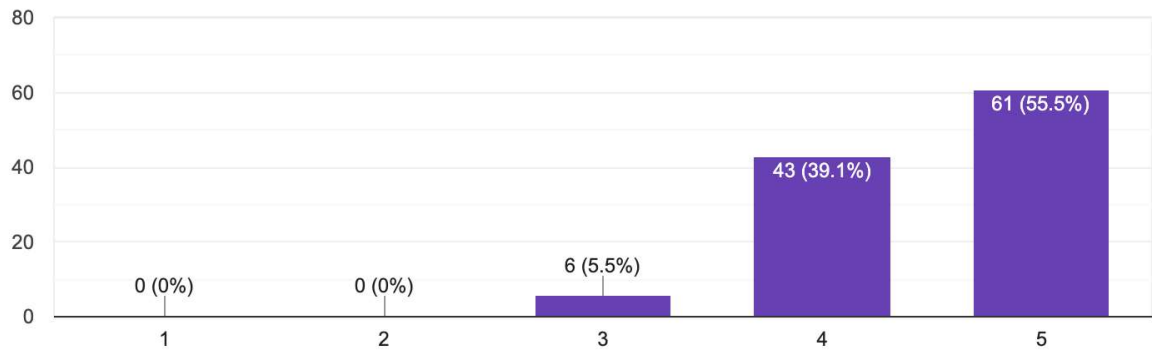
Rate the usefulness of the workshop

110 responses



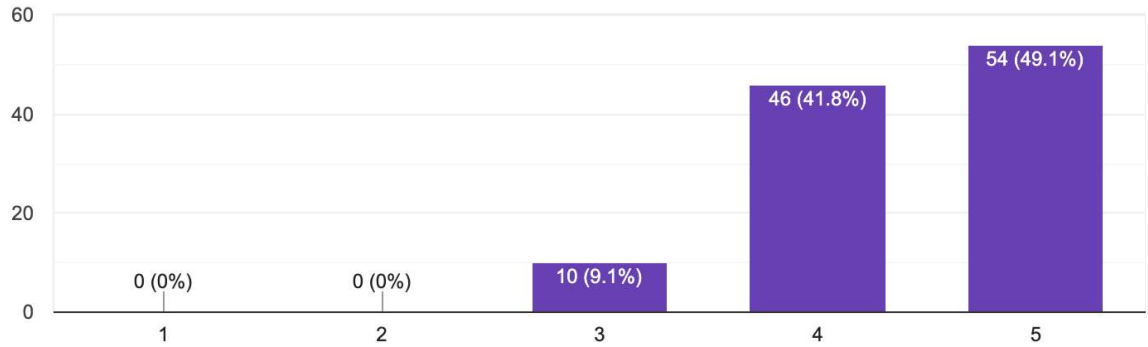
Rate the Question Answering Session

110 responses



Have you able to understand and utilize the Python and Django for Web Development practice

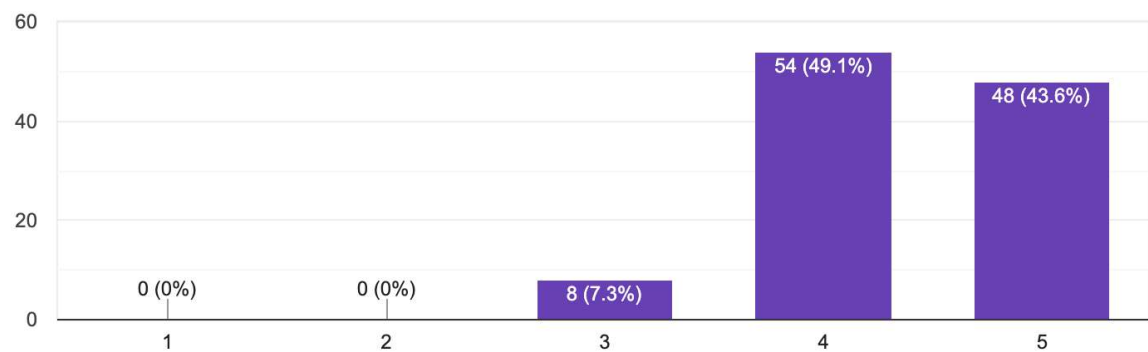
110 responses



Are you able to identify and formulate the computing requirements appropriate to its solution by web applications



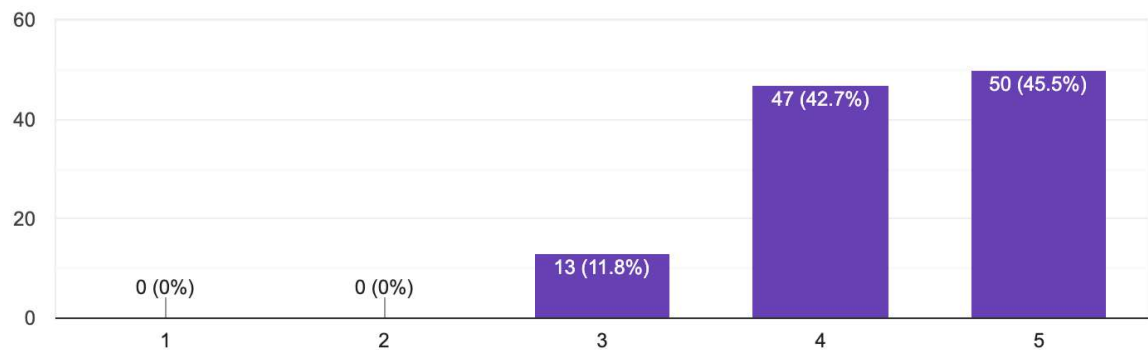
110 responses



Do you got the confidence in using current techniques, skills, and modern tools in web development?

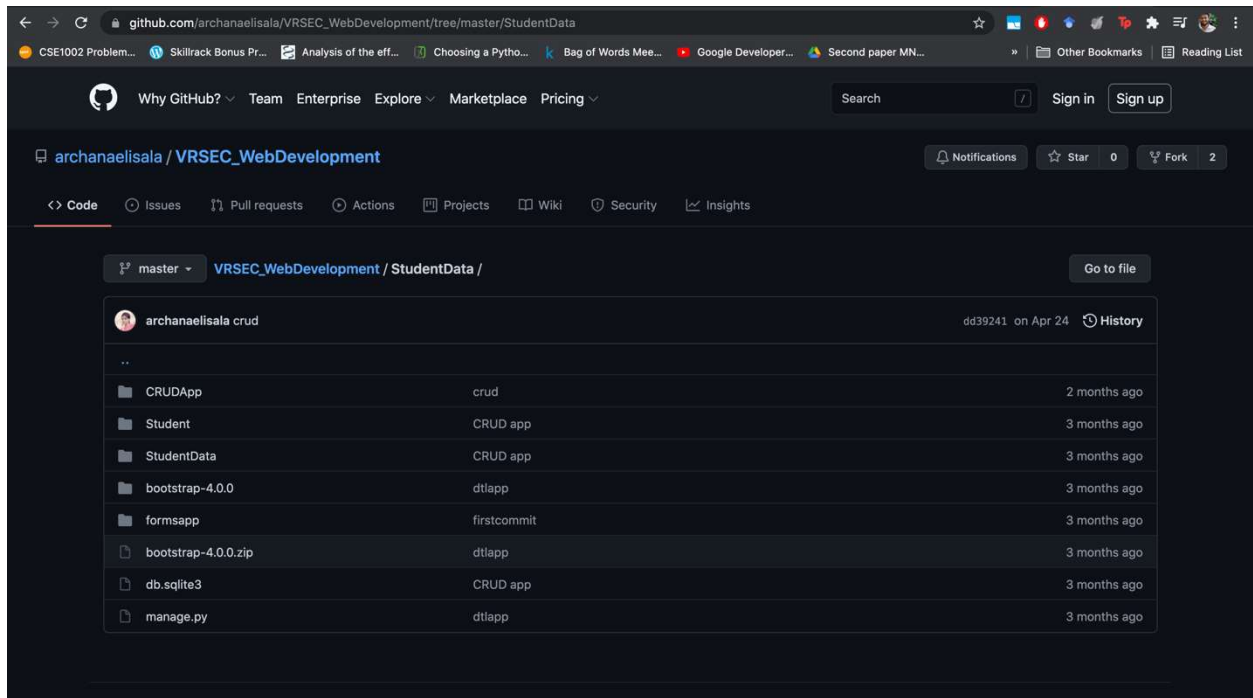


110 responses



GitHub Repository of the content taught to students

https://github.com/archanaelisala/VRSEC_WebDevelopment



The screenshot shows the GitHub interface for the repository 'archanaelisala / VRSEC_WebDevelopment'. The 'Code' tab is selected, displaying a file tree for the 'StudentData' directory. The repository has 0 stars and 2 forks. The file tree lists the following files and folders:

File/Folder	Commit	Time
..		
CRUDApp	crud	2 months ago
Student	CRUD app	3 months ago
StudentData	CRUD app	3 months ago
bootstrap-4.0.0	dtlapp	3 months ago
formsapp	firstcommit	3 months ago
bootstrap-4.0.0.zip	dtlapp	3 months ago
db.sqlite3	CRUD app	3 months ago
manage.py	dtlapp	3 months ago





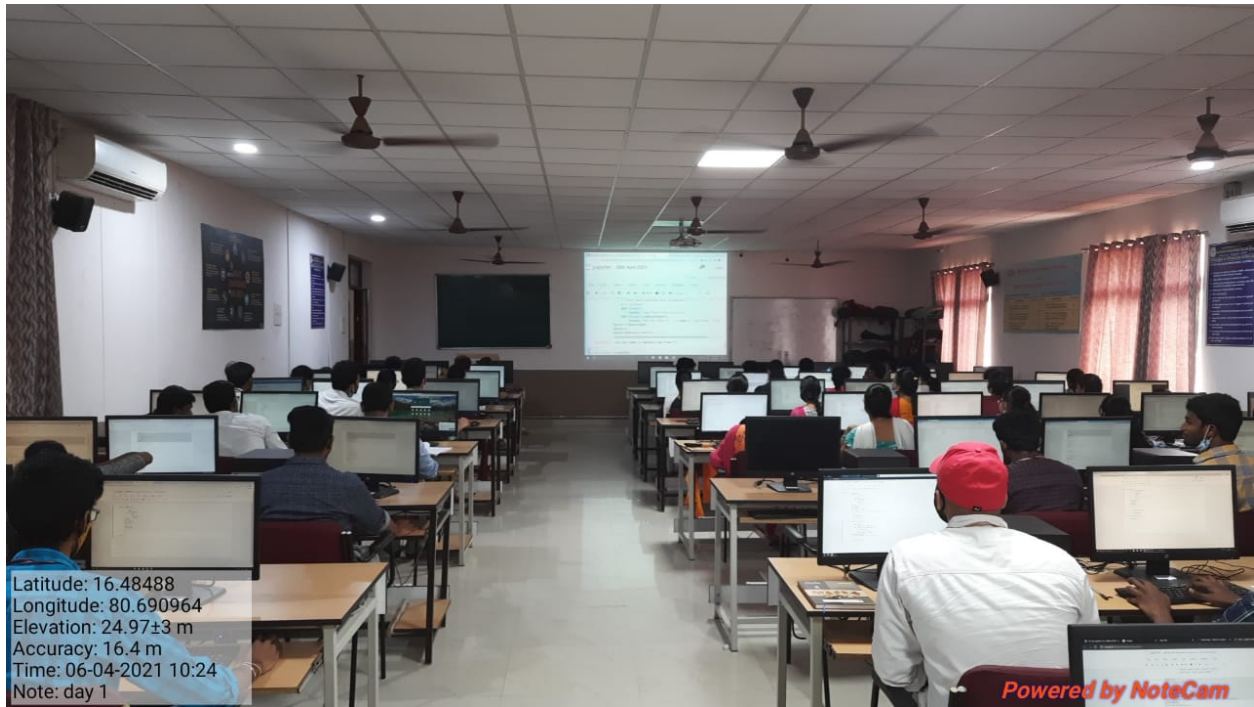
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Accuracy: 15.2 m
Time: 08-04-2021 14:49
Note: day 3iii

Powered by NoteCam



Latitude: 16.485293
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Elevation: 25.26±3 m
Accuracy: 52.4 m
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Note: day 3iiii

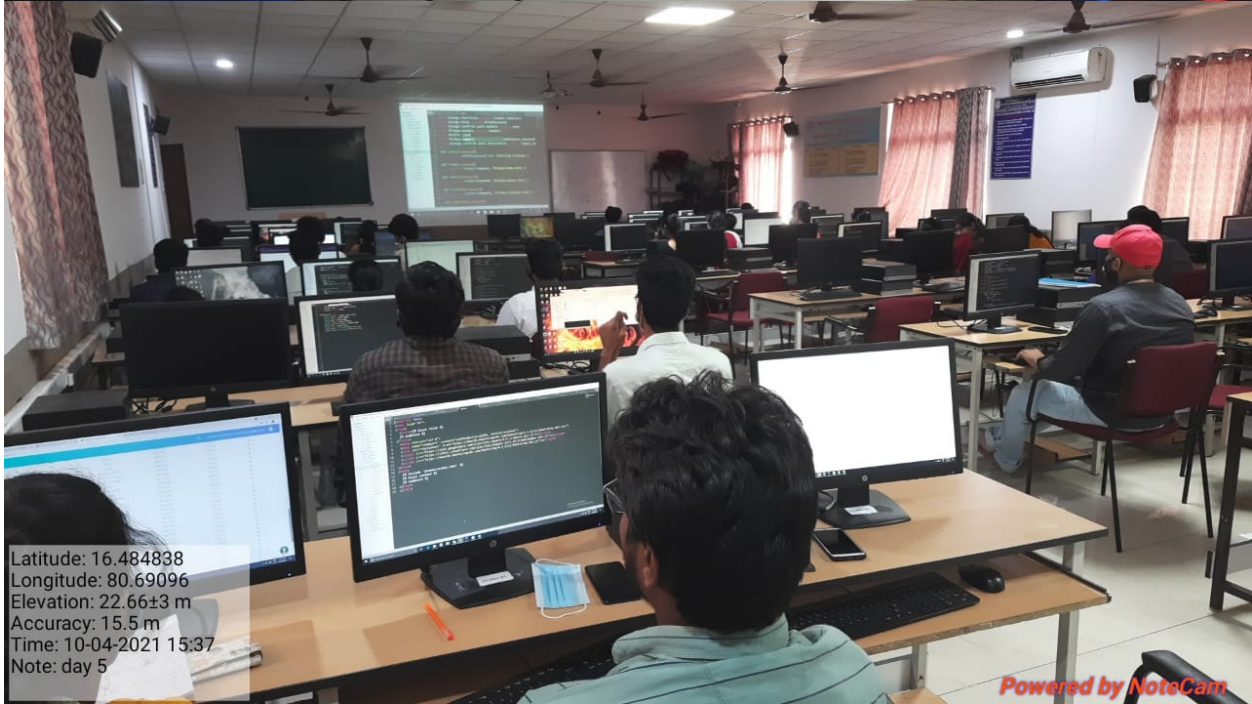
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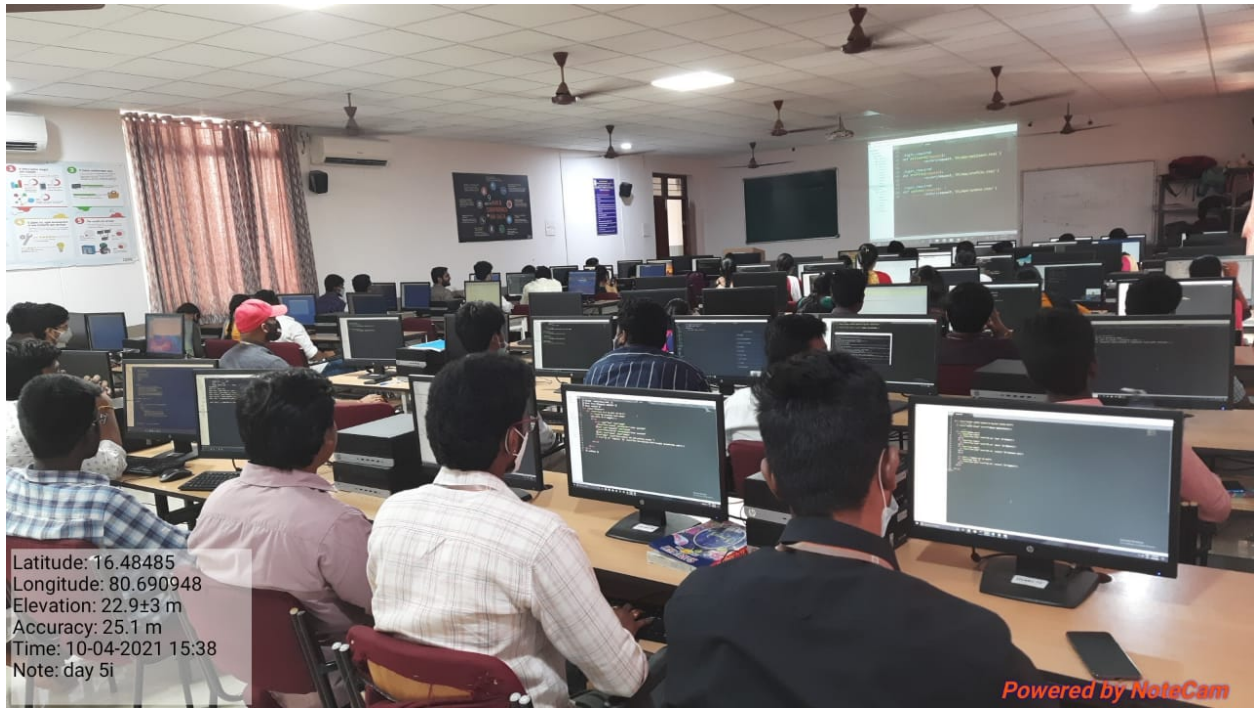
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Note: day 3iiiiiii

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Latitude: 16.484888
Longitude: 80.69096
Elevation: 22.66±3 m
Accuracy: 15.5 m
Time: 10-04-2021 15:37
Note: day 5

Powered by NoteCam



Latitude: 16.48485
Longitude: 80.690948
Elevation: 22.9±3 m
Accuracy: 25.1 m
Time: 10-04-2021 15:38
Note: day 5i

Powered by NoteCam



Web Development with Python Batch 1&2



Department of Information Technology, V.R Siddhartha Engineering College Organized Six day Hands on workshop on **Web Development with Python Batch 1&2** with resource persons from APSSDC.

Schedule for the workshop

Session	Batches	Dates	Participated Students Count
Web Development with Python	Batch1	26-31 August, 2019	61
Web Development with Python	Batch2	03-12 September, 2019	60

About the Workshop:

Six day Hands on Workshop on **Web Development with Python Batch 1&2** with APSSDC. Python Developer is designed by Web Development training team. Python Programming, Database Concepts, Front end concepts starting from hello world basic knowledge on python programming will be delivered in this Workshop.

Target audience: III/IV B.Tech. Students of Department of IT, VRSEC

Venue: IT CMSkill Lab.

Resource Persons:

- Sri BoppanaRavisastry, APSSDC
- Sri PolineniAnil, APSSDC

Outcomes:

- After this workshop students will be good at Basic Knowledge in Programming which helps them to get better Job opportunities.

Course Content:

Day	Content
1	<ul style="list-style-type: none">• Flask Introduction• Flask Environment• Flask Application
2	<ul style="list-style-type: none">• Variables• Url Building• Templates,Static Files
3	<ul style="list-style-type: none">• File Uploading• Message Flashing• Email sending using flask
4	<ul style="list-style-type: none">• Flask-Sql Alchemy
5	<ul style="list-style-type: none">• Html forms• Login Validations• Sessions
6	<ul style="list-style-type: none">• Mini – Project

Convener

Dr. M. Suneetha, Prof & HOD, IT

Coordinators

Dr G Ramakoteswararao

B.L.N. Phaneendra Kumar

M.Ashok kumar

V.Radhesyam

Organized by

Department of Information Technology

V.R Siddhartha Engineering College Vijayawada-7

In Association with APSSDC

Sponsored by

Siddhartha Academy of General & Technical Education
Vijayawada



Department of Information Technology::VRSEC Problem Solving and Programming in Python Phase - I Registration Form

Total Registered : 121

S.No.	Registration Id	Name	Email	Mobile No
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29	178W1A1228	Koya Dinesh Teja	koyadineshteja@gmail.com	8374516735
30	178W1A1229	Krishna KeerthanaMuvvala	muvvalakeerthana@gmail.com	8499844448
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40	178W1A1239	NidamanuriSupraja	supraja252000@gmail.com	7730961685
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59	178W1A1260	Abdul Zaheer	zaheerabdul46@gmail.com	8328139770
60	178W1A1261	Annapureddy Srikant Reddy	asrikanth201998@gmail.com	7995151384
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62	178W1A1263	BandarupalliBhuvan Chandra	bhuvanbandarupalli333@gmail.com	9398901896
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64	178W1A1265	Bathula.NagendraVaraprasad	varaprasad3996@gmail.com	7702901889
65	178W1A1266	Bhimarati Bhanu Prakash	bhanubhimarati2000@gmail.com	8897014084
66	178W1A1267	Bodapati Surendra Babu	surendrabodapati1@gmail.com	8919560291
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68	178w1a1269	BoppanaDhanvanth Kumar	dhanvanthchowdary@gmail.com	9182688569
69	178W1A1272	Danduprolu.Sai Babu	saibabudanduprolu@gmail.com	8500054880
70	178W1A1273	D.Vishal	vishaldesu715@gmail.com	9182412848
71	178W1A1274	Kavya Devineni	kavyad9876@gmail.com	9948579751
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77	178W1A1282	Aparna Gudivada	aparnagudivada09@gmail.com	9182573357
78	178W1A1283	Teja Venkatesh	tejavenkatesh01@gmail.com	6281957798
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80	178W1A1285	Harika Kodali	harika.kodali.99@gmail.com	8309722773
81	178W1A1286	Itla Naga Narendra Krishna Sai	krishnasai.itla@gmail.com	9133925770
82	178W1A1287	Jaladi Venkata Sai Lakshmi Jyostna	jyostnavsl7@gmail.com	7095115575
83	178W1A1288	Kantamani.Rachana	rachanakantamani1147@gmail.com	9704840996
84	178W1A1289	Kasina Naga Lakshmi Durga Surya Anusha	anushakasina2@gmail.com	8328103261
85	178W1A1290	Avinash Kathi	avinash.kathi99@gmail.com	8309686635
86	178W1A1291	RikhitaKoganti	kogantirikhita123@gmail.com	9182511059
87	178W1A1292	K.Sahithi	sahithikoganti26@gmail.com	8008525967
88	178W1A1293	Kollu Baby Sravani	sravanikollu355@gmail.com	9398263073
89	178W1A1294	Komati Nikhileswar	nikhileswar.komati21@gmail.com	6300497241
90	178W1A1295	Koneru Chandana	chandanakoneru123@gmail.com	9951721165
91	178W1A1296	K.Siva Nageswara Rao	kotturusiva1999@gmail.com	9182247832

92	178W1A1297	K.Jhansi Naga Indu Sri	jhansikunapareddy@gmail.com	9121702986
93	178W1A1298	LekhyaSahithiPanchumarthi	lekhyasahithipanchumarthi@gmail.com	9573747298
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