

Indore Institute of Science and Technology

Event Report

Academic Year – 2021-22

Session: July to Dec 2021

Name of Event: Web-based Training on Basics of Git and GitHub (DSA Marathon)

Date of Event: 6 Sept 2021 and 9 Sept 2021

Organizing Dept.: CSE

Event Coordinator: Mr. Deepak Vishwakarma

Name of Partner / co-organizer (If Industry is involved):

Address:

Contact No.: Email Id:

Name of Industry Representative:

Contact No.: Email Id:

Name of Expert/Guest: Mr. Aaveg Gupta

Institute / Company: IIST

Designation: SIH 2020 Winner and Front End Developer Department: CSE

Address:

Contact No.:93184 59553 Email Id: aaveg.guptacs2018@indoreinstitute.com

Details of Participants:

No. of Institutes Participated	No. of Students Participated	Department	No. of Industry Representative	Remark if any
		CSE/IT/EC/ME/CM/ESH		
1	212	CSE/IT		



Activity photo

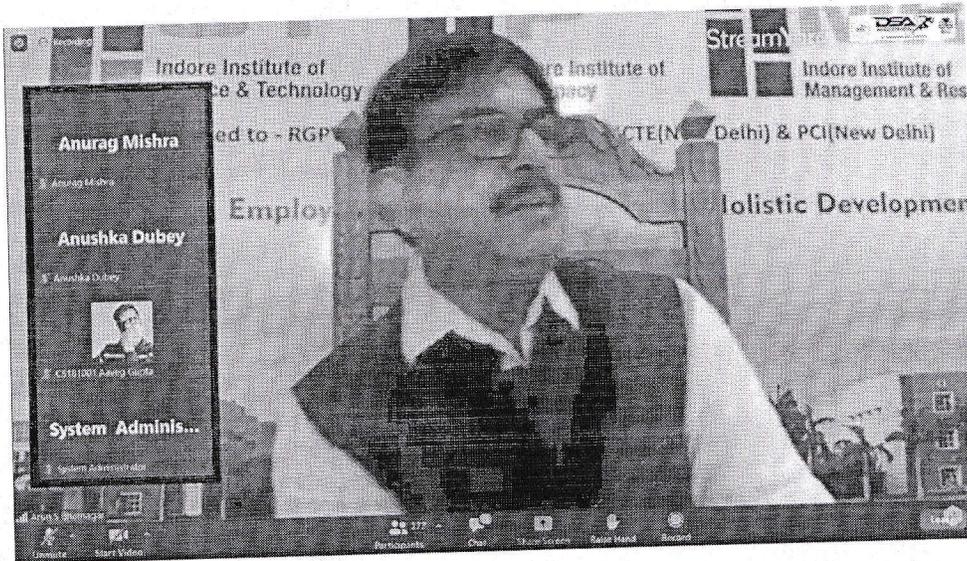


Image 1# Honorable DG sir addressing the students

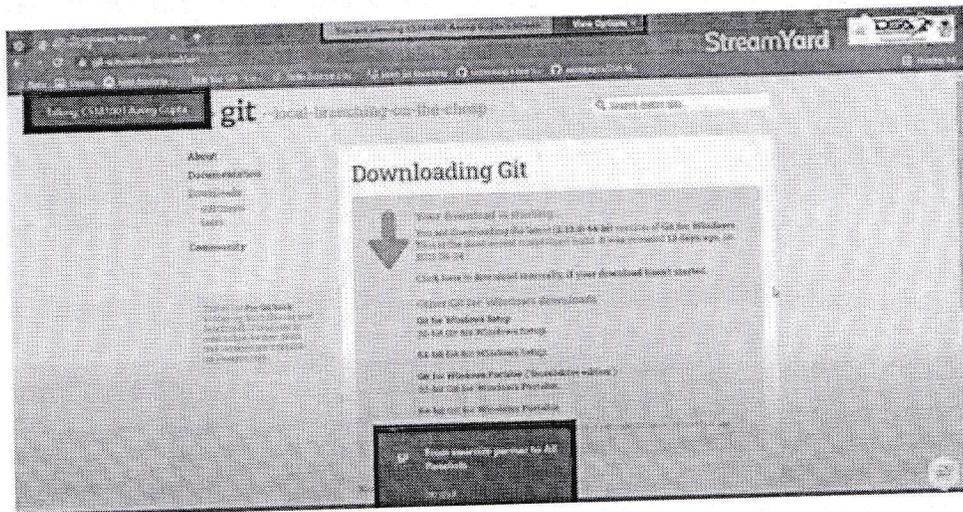


Image 2# Speaker taking the session



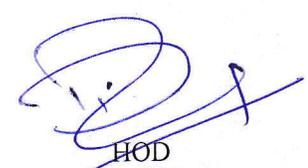
Summary:

A web-based training on Git & GitHub along with a hands-on session was organized by CSE students powered by GitHub under the DSA Marathon Series. It was organized for the students of IIST on 6 and 9 Sept 2021, aiming at exposure of students to the above platforms. It was a power-packed workshop, including hands-on walkthrough of various features of the platform. The training was organized by CSE Department and the speaker for this session was Mr. Aaveg Gupta, SIH 2020 Winner and Front End Developer. The session started with words of motivation and wisdom from our esteemed Director General Shri Arun S Bhatnagar. Day 1 of the session began with the introduction to Git and Github. Mr. Aaveg demonstrated the usage of Github through his own project and highlighted the importance of several features of the platform. After this, the participants were encouraged to create Github profiles through their laptops and display their first repositories. The session was very interactive and the participants were responsive. The concepts of Github such as repository, readme.md, creating file, committing and uploading were then discussed.

Day 2 of the training focused on building the Github profile page of the participants. Tips and hacks on improving the format of the profile and making it professional were suggested by the speaker. Mr. Aaveg Gupta demonstrated the use of Github through the command prompt and explained the commands and methods to perform clone, push, pull, and commit operations into the repository.



FACULTY COORDINATOR



HOD



PRINCIPAL



Department of Computer Science and Engineering

DATE:23/8/2021

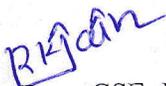
Approval Letter

CSE department is interested to organize a training on “Basics of Git and GitHub” on 6th Sep 2021 and 9th Sept 2021. The training will be organized in Online mode from 10:00 AM and 4:00 PM respectively.

Kindly approve for organizing the session.



HOD CSE



Forwarded by Dean CSE, IT, AI and ML



Department of Computer Science and Engineering

DATE:25/8/2021

Notice

All Students and Faculty members of IIST are hereby informed that department of CSE is organizing a web-based training on **Basics of GIT and GITHUB** on 6 and 9 Sept 2021 from 10:00 AM and 4:00 PM respectively. It will be held in online mode.

All Faculty members and students are requested to take benefit of same.

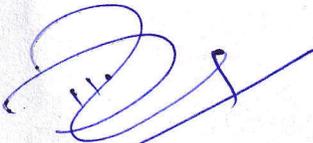
Speaker : Aaveg Gupta

Date: 6 Sept 2021 and 9 Sept 2021

Time: 10:00 AM and 4:00 PM

Faculty Coordinator for the same will be Mr. Deepak Vishwakarma

Students Coordinator will be Mr. Anurag Mishra and Ms. Sarika Purohit



HOD

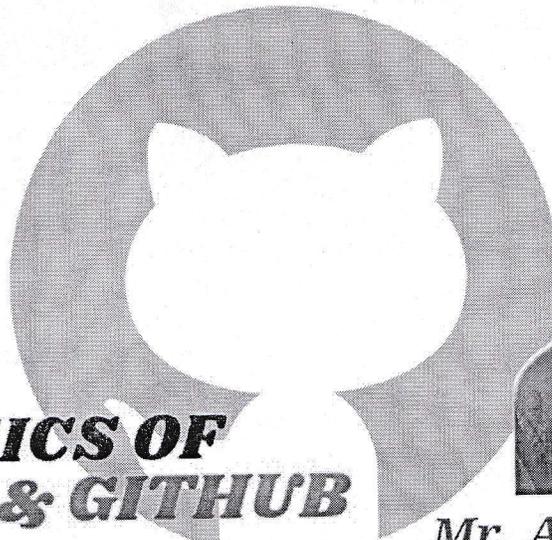
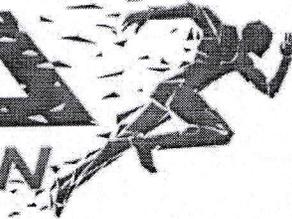


DEAN

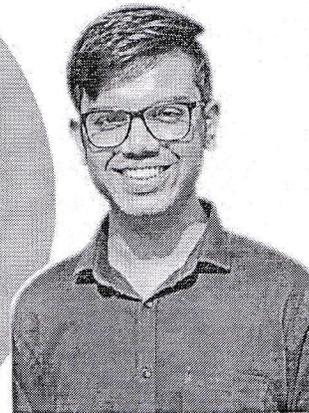


PRINCIPAL

DESA MARATHON



BASICS OF GIT & GITHUB



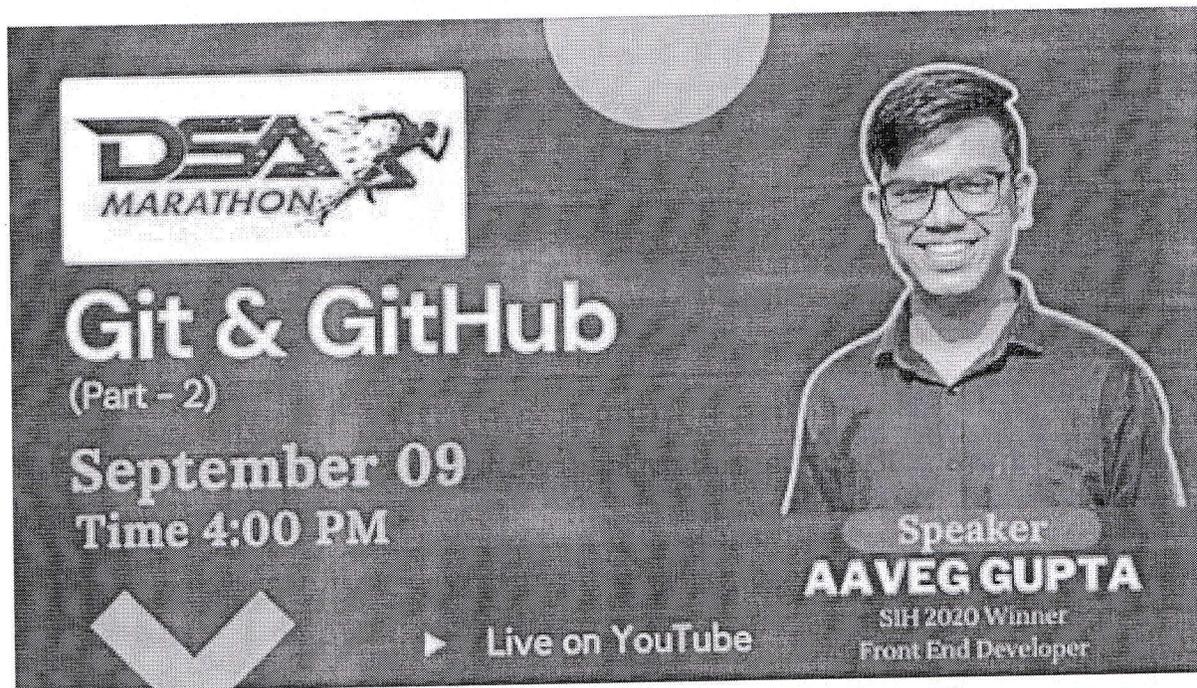
Mr. Aaveg Gupta

SIH 2020 Winner
Front End Developer

 6 Sept Monday

 10:00 AM-12:00 PM





The poster is for a session titled "Git & GitHub (Part - 2)". It features the logo for "DEEA MARATHON" at the top left, which includes a silhouette of a runner. The main title "Git & GitHub" is prominently displayed in a large, bold font. Below the title, it specifies "(Part - 2)", the date "September 09", and the time "Time 4:00 PM". On the right side, there is a portrait of the speaker, AAVEG GUPTA, who is wearing glasses and a dark shirt. Below his name, it lists his credentials: "SIH 2020 Winner" and "Front End Developer". At the bottom of the poster, there is a large downward-pointing arrow on the left and a play button icon followed by the text "Live on YouTube" on the right.

Objectives

The objective of the session is introducing the basics of Git and Github, demonstrate various functionalities of the interface and teach student about fundamental of Git and GitHub.

- How to make GitHub account and repository.
- Get started with Git command line interface.
- Uploading project on GitHub.
- How to host project online.

Outcomes

The student will be able to

- Synchronize code between different people from remote area.
- Start maintaining github profile as it could be helpful for them to keep a repository of their project work. project detail.



Course Content

Learn about the version control system, Git, and how it works with GitHub.

About version control and Git

A version control system, or VCS, tracks the history of changes as people and teams collaborate on projects together. As developers make changes to the project, any earlier version of the project can be recovered at any time.

Developers can review project history to find out:

- Which changes were made?
- Who made the changes?
- When were the changes made?
- Why were changes needed?

VCSs give each contributor a unified and consistent view of a project, surfacing work that's already in progress. Seeing a transparent history of changes, who made them, and how they contribute to the development of a project helps team members stay aligned while working independently.

In a distributed version control system, every developer has a full copy of the project and project history. Unlike once popular centralized version control systems, DVCSs don't need a constant connection to a central repository. Git is the most popular distributed version control system. Git is commonly used for both open source and commercial software development, with significant benefits for individuals, teams and businesses.

- Git lets developers see the entire timeline of their changes, decisions, and progression of any project in one place. From the moment they access the history of a project, the developer has all the context they need to understand it and start contributing.
- Developers work in every time zone. With a DVCS like Git, collaboration can happen any time while maintaining source code integrity. Using branches, developers can safely propose changes to production code.
- Businesses using Git can break down communication barriers between teams and keep them focused on doing their best work. Plus, Git makes it possible to align experts across a business to collaborate on major projects.

About repositories

A repository, or Git project, encompasses the entire collection of files and folders associated with a project, along with each file's revision history. The file history appears as snapshots in time called commits. The commits can be organized into multiple lines of development called branches. Because Git is a DVCS, repositories are self-contained units and anyone who has a copy of the repository can access the entire codebase and its history. Using the command line

or other ease-of-use interfaces, a Git repository also allows for: interaction with the history, cloning the repository, creating branches, committing, merging, comparing changes across versions of code, and more. Through platforms like GitHub, Git also provides more opportunities for project transparency and collaboration. Public repositories help teams work together to build the best possible final product.

How GitHub works

GitHub hosts Git repositories and provides developers with tools to ship better code through command line features, issues (threaded discussions), pull requests, code review, or the use of a collection of free and for-purchase apps in the GitHub Marketplace. With collaboration layers like the GitHub flow, a community of 15 million developers, and an ecosystem with hundreds of integrations, GitHub changes the way software is built.

GitHub builds collaboration directly into the development process. Work is organized into repositories where developers can outline requirements or direction and set expectations for team members. Then, using the GitHub flow, developers simply create a branch to work on updates, commit changes to save them, open a pull request to propose and discuss changes, and merge pull requests once everyone is on the same page.

Basic Git commands

To use Git, developers use specific commands to copy, create, change, and combine code. These commands can be executed directly from the command line or by using an application like GitHub Desktop. Here are some common commands for using Git:

- `git init` initializes a brand new Git repository and begins tracking an existing directory. It adds a hidden subfolder within the existing directory that houses the internal data structure required for version control.
- `git clone` creates a local copy of a project that already exists remotely. The clone includes all the project's files, history, and branches.
- `git add` stages a change. Git tracks changes to a developer's codebase, but it's necessary to stage and take a snapshot of the changes to include them in the project's history. This command performs staging, the first part of that two-step process. Any changes that are staged will become a part of the next snapshot and a part of the project's history. Staging and committing separately gives developers complete control over the history of their project without changing how they code and work.
- `git commit` saves the snapshot to the project history and completes the change-tracking process. In short, a commit functions like taking a photo. Anything that's been staged with `git add` will become a part of the snapshot with `git commit`.
- `git status` shows the status of changes as untracked, modified, or staged.
- `git branch` shows the branches being worked on locally.
- `git merge` merges lines of development together. This command is typically used to combine changes made on two distinct branches. For example, a developer would merge when they want to combine changes from a feature branch into the main branch for deployment.
- `git pull` updates the local line of development with updates from its remote counterpart. Developers use this command if a teammate has made commits to a branch on a remote, and they would like to reflect those changes in their local environment.

- git push updates the remote repository with any commits made locally to a branch.

List of Online Participant

AADITYA THAKUR

AARCHI GUPTA
AARTI BHAWSAR
AARTI PATIDAR
AAYUSHI BHAWSAR
ABHINAV SINGH NEGI
ABIZER RAMPURAWALA
ADARSH NAVNEET SINHA
ADITI CHOURASIA
ADITI PANCHOLI
ADITYA
ADITYA JAIN
ADITYA SOHANI
AJAY KAG
AJEET TIWARI
AKARSHIT SRIVASTAVA
AKSHAY SINGH NAROLIYA
AKSHAY TIWARI
AMAN GUPTA
AMAN SINGH CHAUHAN
ANAMIKA PATEL
ANANYA CHANDEL
ANANYA JADON
ANCHAL PASWAN
ANIKET THAKUR
ANISH PRASAD
ANJALI CHOUHAN
ANJALI VERMA
ANJUMAN VARSEE
ANSHU MOURYA
ANSHUL CHOUBEY
ANURAG GUPTA
ANURAG MUKATI,
ANUSHKA DUBEY
ARVIND MALVIYA
ASHISH PATIDAR
ASHWIN DUBEY
ASTITVA PATLE
ASTITVA SHRIVASTAVA
ATHARV SHROTRIYA
AVDESH
AYUSH PATEL
AYUSH SONI
AYUSHI DUBEY
BALKRISHNA CHOUHAN
KULDEEP BAROD
KULDEEP SINGH RATHORE
KUNAL DESHMUKH
LUV KUMAR SAHU

CHANDAN HAZRA
CHANDRASHEKHAR
CHOUHAN
CHINMAY PATHAK
DEEPAK KUMAR KUSHWAHA
DEEPAK NAGAR
DEEPAK SHARMA
DEEPANSHU BHATT
DEEPIKA SONI
DEEPU SINGH TOMAR
DEV SANWALIYA
DHEERAJ YADAV
DHIREN VISHWAKARMA
DIVYANSH RAI
DIVYANSHI CHATURVEDI
FAIZAN MANSOORI
GAURAV YADAV
GOKUL PANWAR
GOVIND YADAV
HARITOSH RAY
HARSH JAISWAL
HARSH RAHADWE
HARSHAL PANJRE
HEMANT MULCHANDANI
HIMANSHU
HIMANSHU MANDE
HUSSAIN AZAD
ISHA KANTHALE
JAMES JOSE
JATIN AGRAWAL
JAYESH
JAYESH KUSHWAH
JAYESH PAITHANKAR
JAYTI GOKHARU
KAJAL GYANCHANDANI
KAJAL SINGH
KAMAL RAWAT
KAMYA AGRAWAL
KANHA KUSHWAH
KAPIL MALVIYA
KARTIK JITPURE
KESHAV KUMAR
KHEMCHAND MEHRA
KOWSHIK REDDY
KRISHNA SONI
KRITI MISHRA
RAHUL PRAJAPATI
RAHUL RAJPUT
RAHUL SANGITLA
RAHUL SINGH PARIHAR



(Handwritten signature)

MAHENDRA NAGAR
MANISH VERMA
MANISHA GUPTA
MANISHA SHIVHARE
MANUSHREE ATRE
MAYUR KUKREJA
MEGHAN BHANGALE
MILIND GUPTA
MOHAMMAD
MOHIT NAGAR
MONIKA PATIDAR
MONU PRAJAPATI
MUKUND PURANIK
MUSKAN SIRSE
NANDANI GUPTA
NEELESH SINGH
NIKHIL BAVISTALE
NIKHIL SAHU
NIKITA GUPTA
NIKITA MISHRA
NISHCHAL MEHRA
PALAK BHAWSAR
PALLAVI THUKRAL
PANKAJ PORWAL
PANKAJ RAMAWAT
PARTH SARTHI SAXENA
PAWAN AJMERA
PAYAL SHARMA
PIYUSH MANDLOI
PIYUSH MISHRA
PIYUSH PARIHAR
PRADEEP DALAL
PRADYUM TAHEKAR
PRAJWAL ATKARE
PRAKHAR GUPTA
PRANAV SHUKLA
PRANAV SINGH BINWAR
PRASHANT SINGH SOLANKI
PRASOON BHARGAVA
PRATISHTHA SHARMA
PRAVEEN SISODIYA
PRIYANSHU PATEL
PRIYANSHU TRIPATHI
PUNEET DWIVEDI
PUSHPENDRA JADON
RAGHAVRAJ PATIL
RAHUL KALSEKAR
RAHUL KASHYAP
VANSHIKA AGRAWAL
VANSHIKA SONER
VEDANT KHANDELWAL
VIBHA MISHRA
VIJAY RAJPUT

RAM KADAMBARI
RAMPAL CHOUHAN
RANI PAWAR
RAVI RATHORE
RENUKA
RISHABH DHAKAD
RISHABH KHANDAGRE
RISHABH RATHORE
RISHIKA GUPTA
RITIK KUMAR MISHRA
RITIKA KUSHWAH
RITIKA PRASAD
ROHIT RAJ
ROSHAN KUMAR
ROSHAN SHARMA
RUPALI SHARMA
SACHIN KANEL
SAKSHI MOURYA
SAKSHI NAGAR
SAMARTH RAJGURU
SAMEER KHAN
SANJAY PARMAR
SARIKA PUROHIT
SATEESH KUMBHAKAR
SAWAN RATHORE
SHARAD PATEL
SHIVAM SINGH
SHREYA PANDEY
SHREYANSH KHOBRADE
SIDDHARTH SINGH CHOUHAN
SIMRAN KHEDE
SK AARIF REHMAN
SONAM VITTHAL
SOURABH SANKHERE
SRASHTI SHRIVASTAV
SUDHANSHU GUPTA
SUJEET KUMAR SONI
SUJEET VISHVKARMA
SURABHI SRIVASTAVA
SURAJ CHOUHAN
SURAJ KUMAR PATEL
TANISHKA JAIN
TANMAY PAL
TUSHAR JAGTAP
UJJAWAL PATIDAR
UTSAV KUMAR
VAIBHAV JAIN
VAIBHAV PATHAK





Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

VIKAS VERMA
VINAY MOURYA
VINAYAK BHUSHAN
VIRAJ SINGH PAWAR
VISHAL SHARMA
VISHAL SONER
VIVEK YADAV
YASH CHOUDHARY
YASH DHANTOLE
YASH MOKHALE
YASHASVI BADNORA
YASHWIN SINGH
YOGITA CHOUHAN



Indore Institute of Science and Technology

Event Report

Academic Year – 2021-22

Session: Jan to June 2022

Name of Event: Live Workshop on Git & GitHub

Date of Event: 27 April 2022

Organizing Dept.: IT

Event Coordinator: Ms. Alpana Meena

Name of Partner / co-organizer (If Industry is involved):

Address:

Contact No.:

Email Id:

Name of Industry Representative:

Contact No.:

Email Id:

Name of Expert/Guest: Akhil Parikh

Institute / Company: Wipro Ltd.

Designation: Project Engineer

Department:

Address:

Contact No.: 7582828711

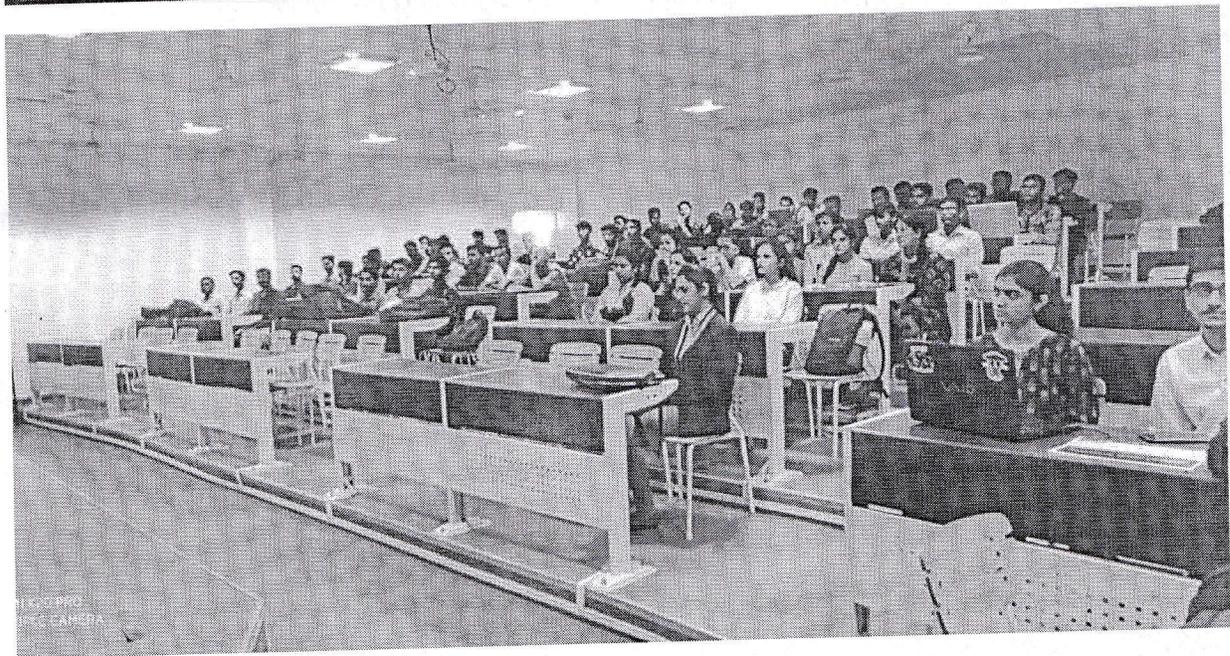
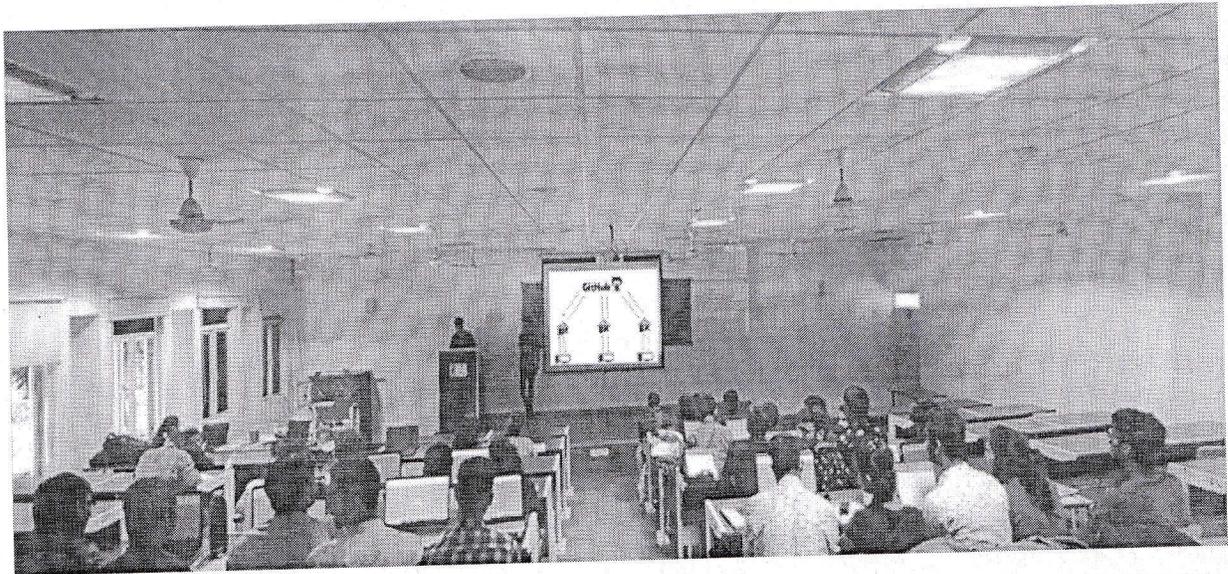
Email: akhilparikh98@gmail.com

Details of Participants:

No. of Institutes Participated	No. of Students Participated	Department	No. of Industry Representative	Remark if any
		CSE/IT/EC/ME/CM/ESH		
1	51	CSE/IT		

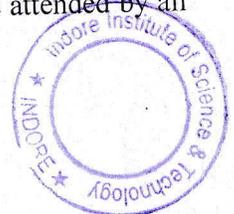


Activity photo



Summary:

An interactive workshop detailing the Nitty-gritties of open source contribution using Git and GitHub was held at IIST, Indore. Akhil Parikh, Project Engineer, Wipro Ltd. was the speaker for the event. Blending the enthusiastic minds with explorable knowledge and creativeness. He introduced the fascinating world of Open Source contribution to the attendees with an equally commendable in-depth hands on knowledge. It was attended by all



the students and faculty members of the IIST, Indore. He gave valuable insights ranging from the very basic to far more challenging tasks, he took care that no one felt unenthused.

Moving from introducing the concepts of Git and GitHub, Version Control System (VCS), distributed systems, the need for open source and creatively engaging with the whole world anytime, anywhere to forking various projects and making pull requests. They were made to collaborate on a simple hands-on project thereby getting our concepts clearer. He shared cheat sheet of important commands necessary for basic to complex working on GitHub collaborations. The workshop was meant for any creative and enthusiastic mind, whether you are a beginner or an expert, all were welcome to learn something new or refresh their knowledge and return with something worthwhile. Since it was an interactive session he took various questions from the participants and cleared everyone's doubts, explaining everyone in much simpler terms that it could be understood by anyone.

Students were made aware of the various possibilities of open source contribution and were encouraged to do open source contributions by collaborating on various projects according to our skills and interests, thereby having a high visibility GitHub profile. This would be very helpful in their career as it would be the know-how of everyone out there of our skills and capabilities.



FACULTY COORDINATOR



HOD



PRINCIPAL





Department of Information Technology

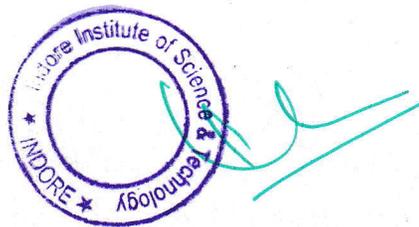
DATE:21/4/2022

Approval Letter

IT department is interested to organize Live Workshop on Git & GitHub on 27 April 2022 in Offline mode from 11:00 AM – 1:00 PM

Kindly approve for organizing the session.


HOD



Department of Information Technology

DATE:25/4/2022

Notice

All Students of IV year CSE and IT are hereby informed that department of IT is organizing a Live Workshop on Git & GitHub on 27 April 2022 from 11:00 AM onwards.

All students are requested to take benefit of same.

Expert : Akhil Parikh

Date: 27 April 2022

Time: 11:00 AM to 1:00 PM

Faculty Coordinator for the same will be Ms.Alpana Meena

Students Coordinator will be Ms.Aishwarya Garg


HOD


Dean





Indore Institute of Science and Technology

Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal



Indore Institute of Science and Technology
Approved by AICTE, New Delhi & Affiliated to RGPV, Bhopal

Topic: Live Workshop on Git & GitHub

Date: 27 April 2022

Time: 11:00 AM onwards

Venue: Seminar Hall C Block

Faculty Coordinator: Ms. Alpana Meena

Student Coordinator: Ms. Aishwarya Garg



Expert: Mr. Akhil Parikh
Project Engineer, Wipro Ltd



Objectives

The objective of the session is introducing the basics of Git and Github, demonstrate various functionalities of the interface and teach student about fundamental of Git and GitHub.

- How to make GitHub account and repository.
- Get started with Git command line interface.
- Uploading project on GitHub.
- How to host project online.

Outcomes

The student will be able to

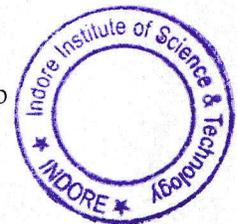
- Synchronize code between different people from remote area.
- Start maintaining github profile as it could be helpful for them to keep a repository of their project work. project detail.

Course Content

In this module, students learn about what is a version control system, why we need version control, types of version control systems, and the advantages-disadvantages of traditional VCS. They will also be introduced to the basics of GIT.

Topics:

- Version Control/Revision Control system
- The types of VCS
- The benefits of using VCS
- What is GIT?
- The difference between GIT and other VCS
- Where to use Git and where not to use it
- Web Scale architecture
- Install Git on Windows/Mac/Linux/Unix
- Understand Git file life cycle
- Create Git repository - Local repository and configure it to GitHub



- Create a repository on GitHub and clone it
- Understand basic Git commands
- Git command shortcuts
- Revisit the Git file lifecycle with Git terminology

Hands On:

- Perform git commands



Department of Information Technology

Live Workshop on Git & GitHub

Date: 27 April 2022

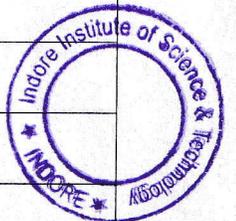
List of Participants

S.NO	NAME	SIGN
1.	Aaveg Gupta	
2.	Abhinav Singh Negi	Abhinav
3.	Adarsh Singh	Asingh
4.	Aditi Malajan	Aditi
5.	Aditi Lancholi	Aditi
6.	Ajay Bashi	Aashi
7.	Akshay Lalwani	Akshay
8.	Amey Bashi	Amey
9.	Animesh Gurejae	Anujam
10.	Isha Ranka	Ishu
11.	Anshul Pandey	Pandey
12.	Anushka Dwivedi	A Dwedi
13.	Deeba Afruchi	Deeba
14.	Dhwani	Dhwani
15.	LAVISH KOTHARI	Lov
16.	MANISHA	Manisha

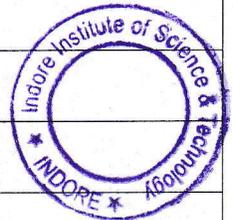




17.	Palak Chourey	Palak
18.	Pankaj Sivhare	Rakhe
19.	Pankaj Pooja Prasad	Pooja
20.	Praeni Budholiya	Praeni
21.	Pragya Sharma	Pragya
22.	Rahul Goyal	Rahul
23.	Rahul Lonar.	Rahul
24.	Ruchir Jain	Ruchir
25.	Sahil Shahi	Sahil
26.	Sahil Shahi	Sahil
27.	MANOJ KUMAR PAT.	Manoj
28.	Mohit Mishra	Mohit
29.	Mohit Patidar	Mohit
30.	Saurabh Yadav	Saurabh
31.	Shreshth Gupta	Shreshth
32.	Shweta Singh	Shweta
33.	Sohail Khan	Sohail
34.	Sudhanshu Jha	Sudhanshu
35.	Vedat Mahajan	Vedat
36.	Alisha Ahmed	Alisha
37.	Naman Naroliya	Naman
38.	Vinay Solanki	Vinay
39.	Vishal Dangri	Vishal
40.	yash Mehta	Yash

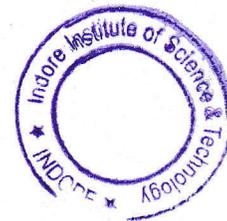



41.	SALONI KHANDELWAL	<i>S. Khandelwal</i>
42.	SANSHAR SHIVASTAVA	<i>संशर शिवस्तवा</i>
43.	Khushboo Kachare	<i>Khushboo.</i>
44.	SHARSH RATHI	<i>RATHI</i>
45.	Rahul Joshi	<i>R. Joshi</i>
46.	Nayan AROH	<i>Nayan</i>
47.	Mariya Hussain	<i>M. Hamain</i>
48.	NAUSHAD KHAN	<i>N. KHAN</i>
49.	Vesha Chohan	<i>Vesha</i>
50.	Paha Bhatnagar	<i>Paha Bhatnagar.</i>
51.	Mishwarya Garg	<i>Mishwarya</i>
52.		
53.		
54.		
55.		
56.		
57.		
58.		
59.		
60.		
61.		
62.		
63.		
64.		



[Handwritten signature]

Copy of sample certificate



Google classroom screenshot/ Facebook information/Whatsapp screenshot as proof:

