

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

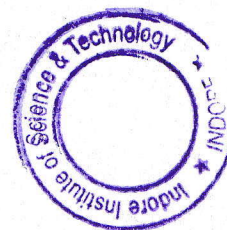
Designation: SIH 2020 Winner and Front End Developer Department: CSE

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

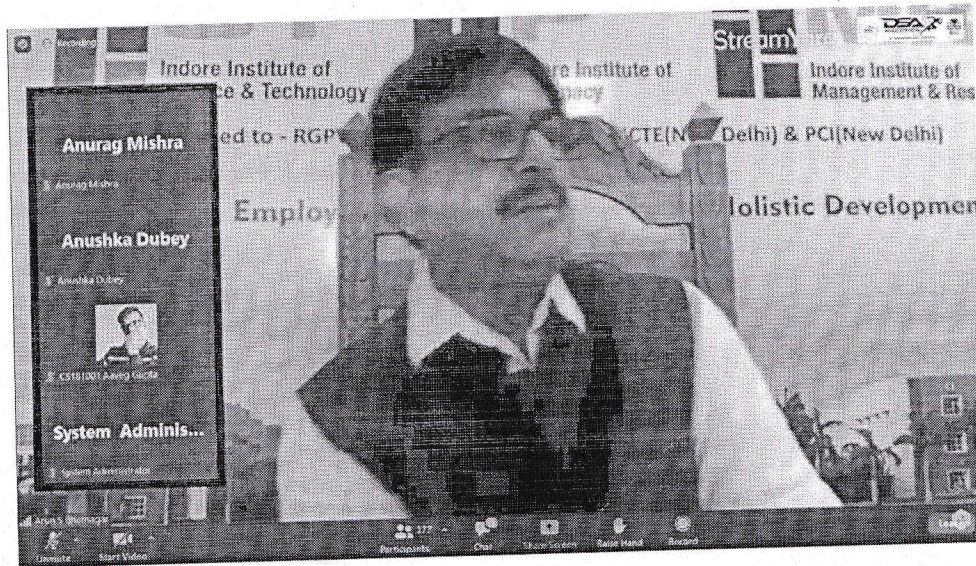


Image 1# Honorable DG sir addressing the students

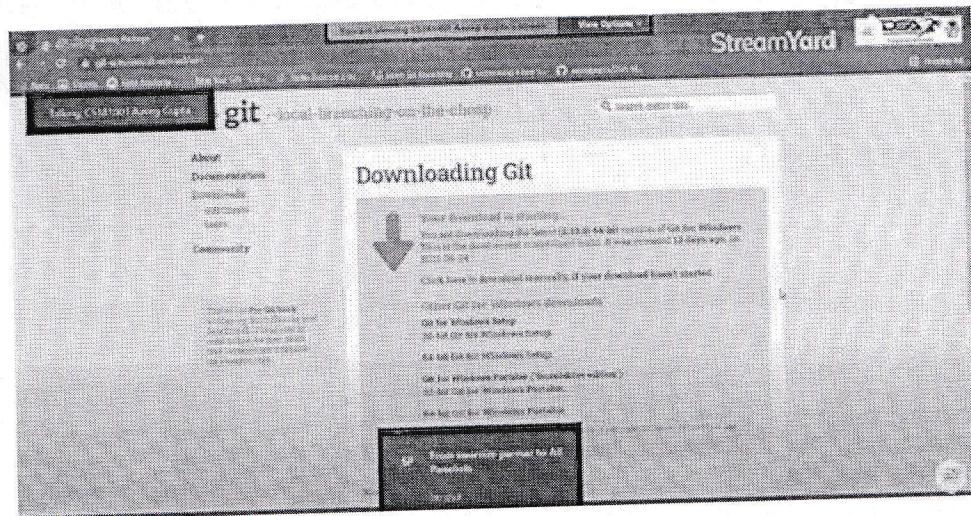
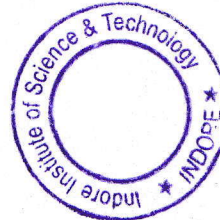


Image 2# Speaker taking the session



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




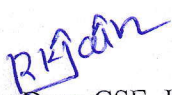
Department of Computer Science and Engineering

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.

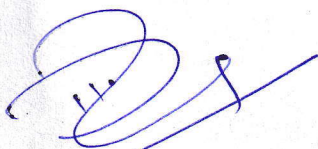
Speaker : Aaveg Gupta

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

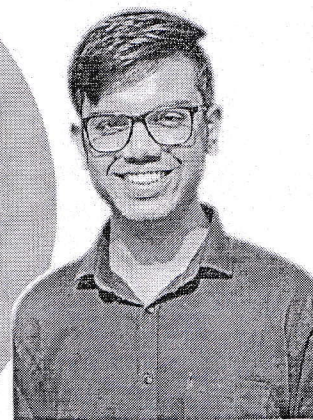
DSA MARATHON



BASICS OF GIT & GITHUB

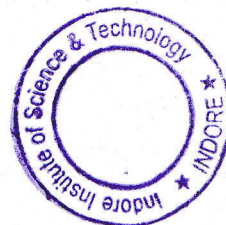
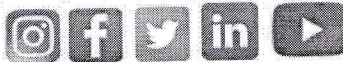
 6 Sept Monday


 10:00 AM-12:00 PM



Mr. Aaveg Gupta

SIH 2020 Winner
Front End Developer





DEA MARATHON

Git & GitHub

(Part - 2)

September 09
Time 4:00 PM

Speaker
AAVEG GUPTA
SIH 2020 Winner
Front End Developer

► Live on YouTube

Objectives

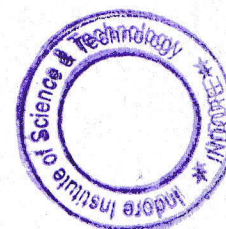
The objective of the session is introducing the basics of Git and Github, demonstrate various functionalities of the interface and teach student about fundamental of Git and GitHub.

- 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

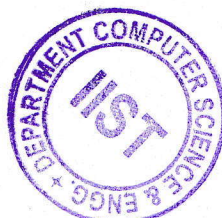
RAHUL SINGH PARIHAR



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 KHOBRAGADE
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

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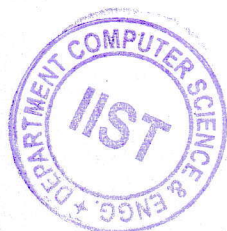




Indore Institute of Science and Technology

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

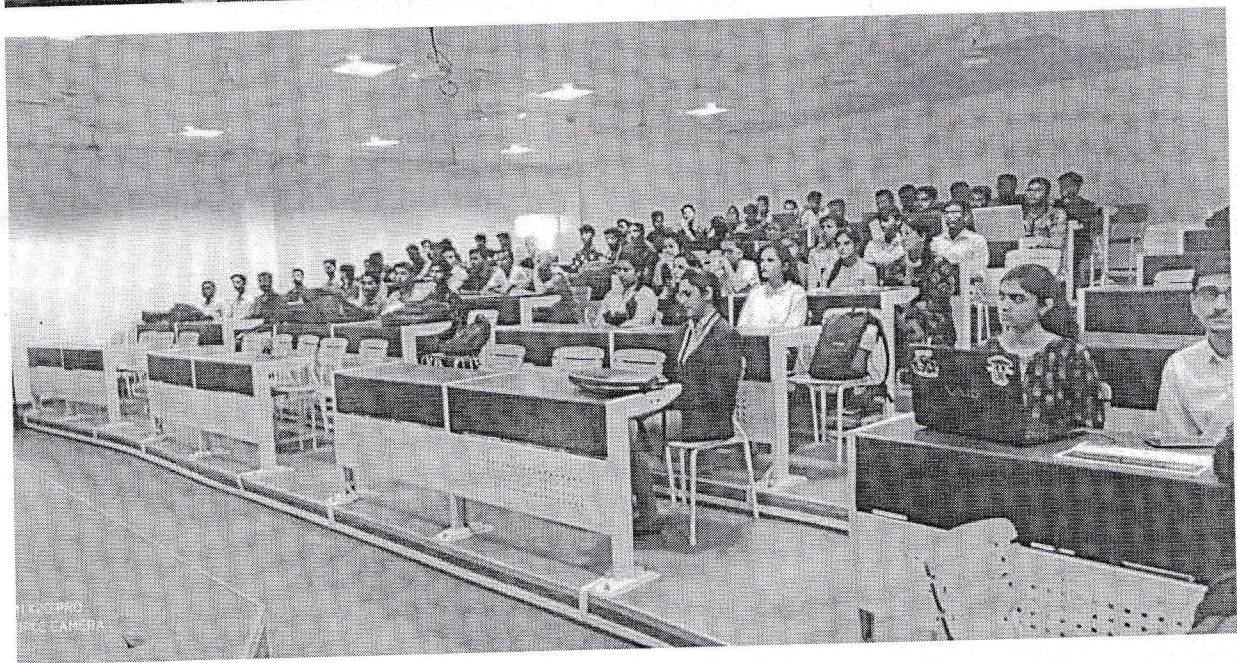
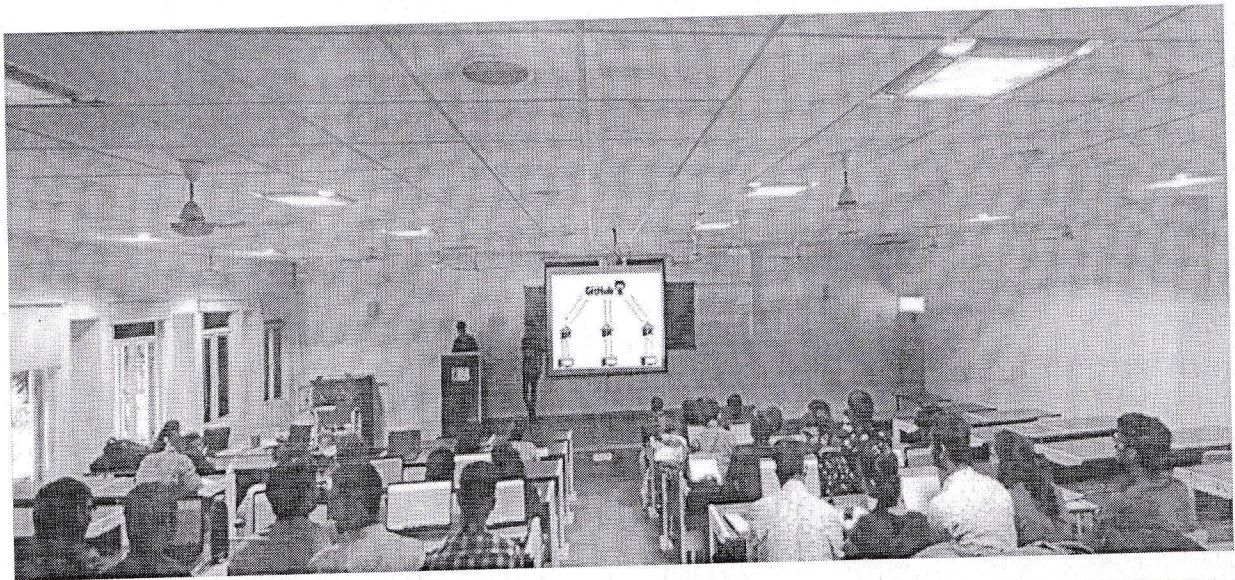
Email: akhilparikh98@gmail.com

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		

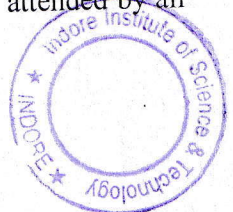


Activity photo



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

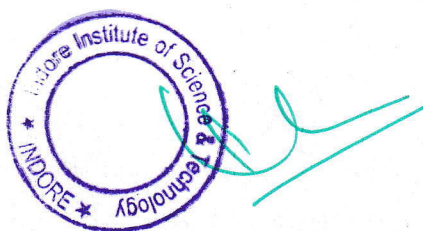
Approval Letter

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



Principal



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

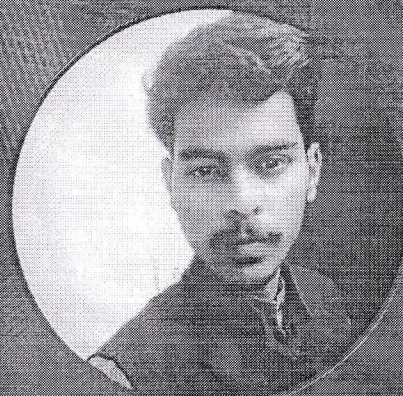
Date: 27 April 2022

Time: 11:00 AM onwards

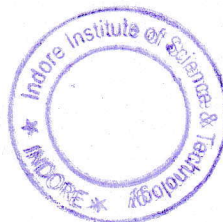
Venue: Seminar Hall C Block

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

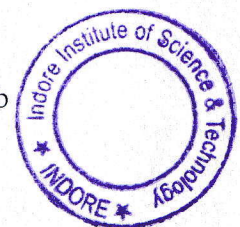
- Synchronize code between different people from remote area.
- Start maintaining github profile as it could be helpful for them to keep a repository of their project work. project detail.

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




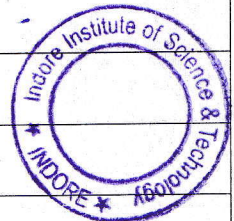
Department of Information Technology

Live Workshop on Git & GitHub

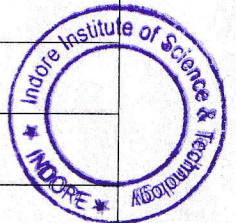
Date: 27 April 2022

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 Joshi	Ajoshi
7.	Akshay Lalwani	Akshay
8.	Amey Joshi	Amey
9.	Animesh Gureja	Anujam
10.	Isha Ranka	Ishu
11.	Anshul Pandey	Pandey
12.	Anushka Dwivedi	Dwivedi
13.	Deeba Afruchi	Deeba
14.	Dhwani	Dhwani
15.	LAVISH KOTHARI	Lav
16.	MANISHA	Manisha

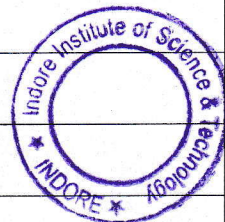


17.	Palak Chourey	Palak
18.	Pankaj Sivhare	Rakhe
19.	Pankaj Pooja Prasad	Pooja
20.	Praeni Budholiya	Praeni
21.	Pragya Sharma	Pragya
22.	Rahul Goyal	Rahul
23.	Rahul Lonar.	Rahul
24.	Ruchir Jain	Ruchir
25.	Sahil Shakti	Sahil
26.	Sahil Shakti	Sahil
27.	MIANOT KUMAR PAT.	Mianot
28.	Mohit Mishra	Mohit
29.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



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41.	SALONI KHANDLWAL	<u>S. Khandlwal</u>
42.	SANSHAR SHIVASTAVA	संशर शिवस्तवा
43.	KHUSHBOO KACHARE	Khushbook.
44.	SHARSH RATHI	RATHI
45.	Rahul Joshi	R. Joshi
46.	NOJAN AKORI	Nayan
47.	MARIYA HUSSAIN	M. Hamain
48.	NAJAD KHAN	N. KHAN
49.	VEISHA CHOCHAN	Vesha
50.	PAHA BOMBAYWALA	P. Bombaywala
51.	MISHWARYA GANG	Mishwarya
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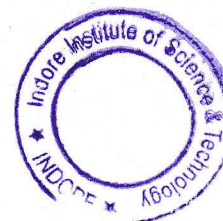


[Handwritten signature]

Copy of sample certificate



[Handwritten signature]



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

