

**github**



**git**

**BCA  
Programme  
Ranked**

**1<sup>st</sup>**

**Successively**

**in**

**Academic  
Excellence**

**for**

**Three Years**

**in**

**Gujarat**

**India Today  
Survey  
2020**





**Message From  
Dean, FCAIT**

**Prof. R. P. Soni**



This issue of D-Kosmos covers information pertaining to the known collaboration tool Git and related repository GitHub. It will be interesting for all the would-be software developers to know the nitty-gritty of Git, GitHub and GitLab.

Git is an open source distributed version control system which was originally designed by Linus Torvalds, the creator of Linux, in 2005. This control system is widely used by the open source community, handling small to extremely large projects with an emphasis on speed and efficiency, but maintaining flexibility, scalability, and guaranteeing data integrity.

Git is frequently regarded by many developers to be the finest version control tool available. It is useful for software projects being handled by several developers concurrently and helps them in tracking changes and version control.

Looking to the popularity of Git and its level of usage by different software development organizations, it is imperative that students must develop familiarity with Git and GitHub.

This is the first issue after pandemic, also coincides with our annual event CyberShadez and hope you will like the contents presented by your classmates.



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Dear Readers,

Where the world builds software! Millions of developers and companies build, ship, and maintain their software on GitHub—the largest and most advanced development platform in the world.

Git and GitHub are two of the most popular technologies around for developers. Git is the version control tool of choice for everyone from web designers to kernel developers. And GitHub is the social code-hosting platform. In the wake of Covid-19, we are facing lots of challenges as well as trying to create an alternative world which is worth living. During this pandemic rising above all the limitations, we are presenting the 17<sup>th</sup> issue of our half-yearly magazine “D-KOSMOS” with the theme “Git/GitHub”.

This time, D-kosmos with its unique theme and design delineates the wonderful journey of FCAIT’s achievements and success. To motivate students to build innovative career plans, the institute organizes the various academic tours and industry visits. Believing in the holistic development of students, we inspire them to take part in activities carried out under CSI, NSS, CWDC and ISR. Students knowingly and unknowingly pick up various life skills by attending different programmes like ice-breaking sessions, Code Express, Tech Talk, Alumni Talk and sports week celebration organized by FCAIT. The present issue gives an account of all these activities in brief.

We welcome your suggestions and remarks via email so please get in touch for reviews at [dkosmos@glsica.org](mailto:dkosmos@glsica.org).

Wishing you all a happy reading of D-kosmos!

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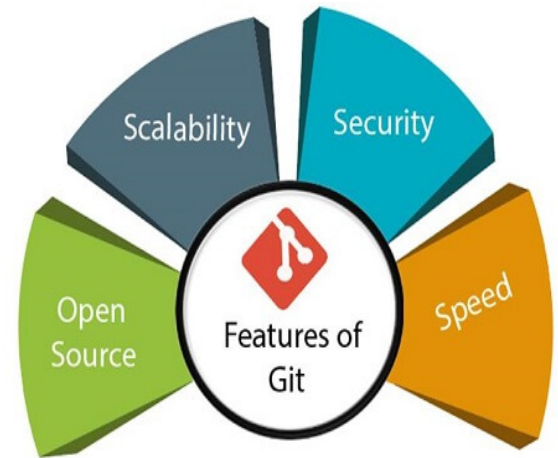
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# What is Git?

Git is an open-source distributed version control tool. It is designed to handle small and large scale projects with high speed and efficiency. It is developed to co-ordinate the work among developers where they can add code in parallel. The version control allows the user to track and work together with team members at the same workspace. Git is the foundation of various services like GitHub and GitLab, but we can use Git without using any other Git services. It can be used privately and publicly. It was created by Linus Torvalds in 2005 to develop Linux Kernel. It is easy to learn, and can be used to store contents. It is superior to other Source Code Management (SCM) tools like Subversion, CVS, Perforce, and ClearCase.

## Features of Git

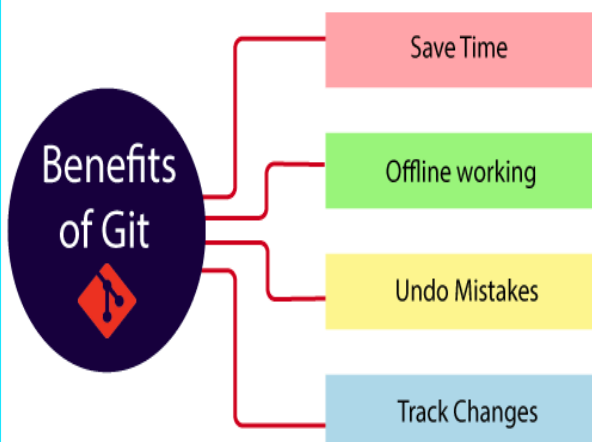
- **Open Source:** Git is an open-source tool. It was released under the GPL (General Public License).
- **Scalable:** Git is scalable which means when the number of users increases, Git can easily handle such situation.
- **Security:** Git is secure. It uses the SHA1 (Secure Hash Function) to name and identify objects within its repository.
- **Speed:** Most of the git operations are done on the local repository, so it provides a huge speed.
- **Distributed:** One of Git's great feature is that it is distributed. Distributed means that instead of switching the project to another machine, it can create a "clone" of the entire repository.
- **Supports non-linear development:** Git supports seamless branching and merging, which helps in visualizing and navigating a non-linear development.
- **Branching and Merging:** These are the unique features of Git, which makes it different from the other SCM tools. Git allows the creation of multiple branches without affecting each other.
- **Data Assurance:** The Git data model ensures cryptographic integrity of every unit of our project.
- **Staging Area:** It is a unique functionality of Git which gives preview of next commit, also an intermediate area where commits can be formatted and reviewed before completion.



## Benefits of Git

A version control application allows users to keep track of all the changes in the project. Every time a change is made, it is added to a repository where user can make changes in existing project files and it also gets reflected in repository. Other developers are allowed to pull the changes from the repository and continue to work with the updates that have been added to the project files.

Some benefits of using Git are as follows:



### • Saves Time:

Git uses lightning fast technology. Each command takes only a few seconds to execute so the user can save lot of time.

### • Offline Working:

One of the most important benefits of Git is that it supports offline working. In Git, the user can do almost everything locally.

### • Undo Mistakes:

In Git, the user can undo mistakes. Sometimes the undo can be a saviour option for user. Git provides the undo option for almost everything.

### • Track Changes:

Git facilitates with some exciting features such as Diff, Log, and Status, which allows users to track changes, check the status and compare files or branches.

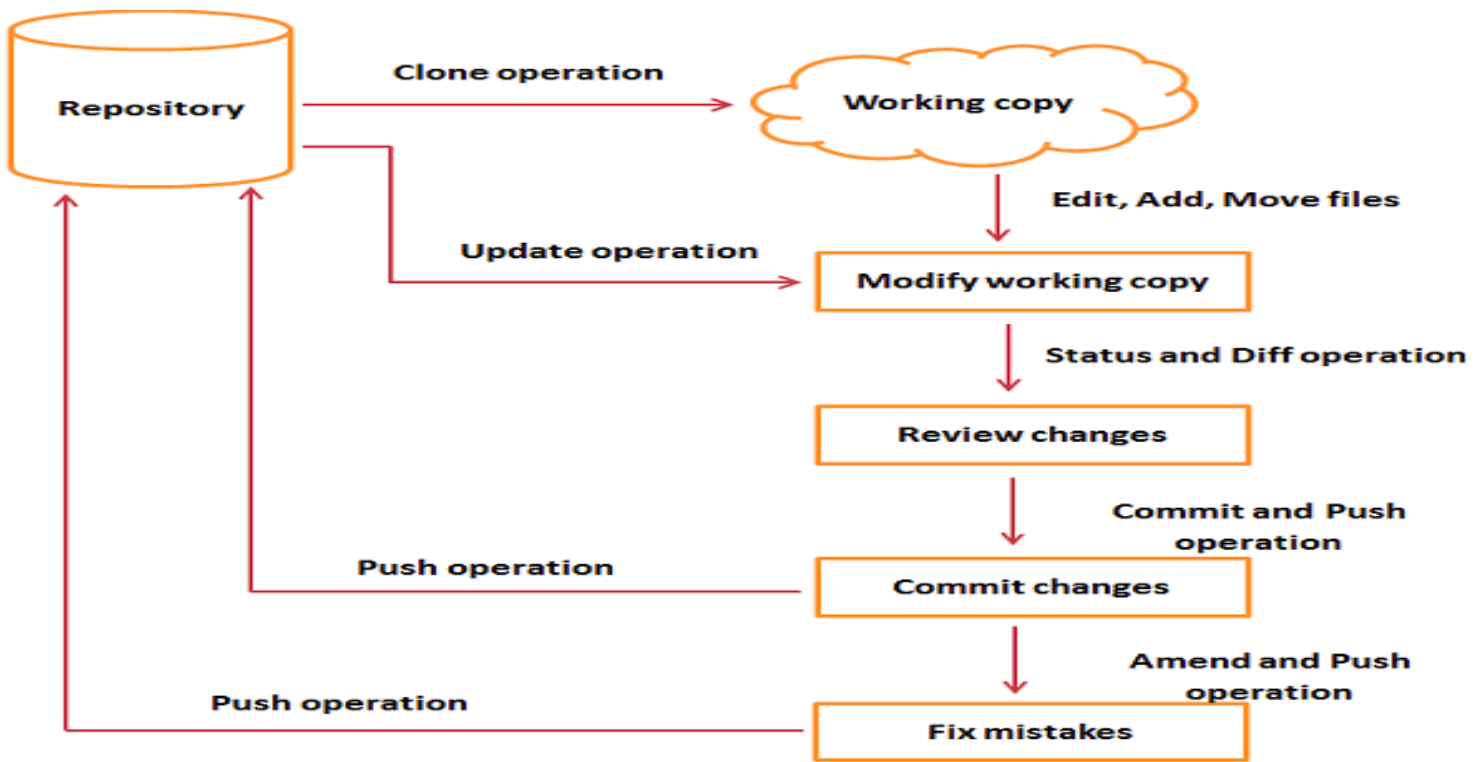
# Flow of Git

A Git Workflow is a recipe or recommendation for how to use Git to accomplish work consistently and productively. Git workflows encourage users to leverage Git effectively and consistently. It offers a lot of flexibility in how users manage changes in the project.

Workflow of Git is as below:

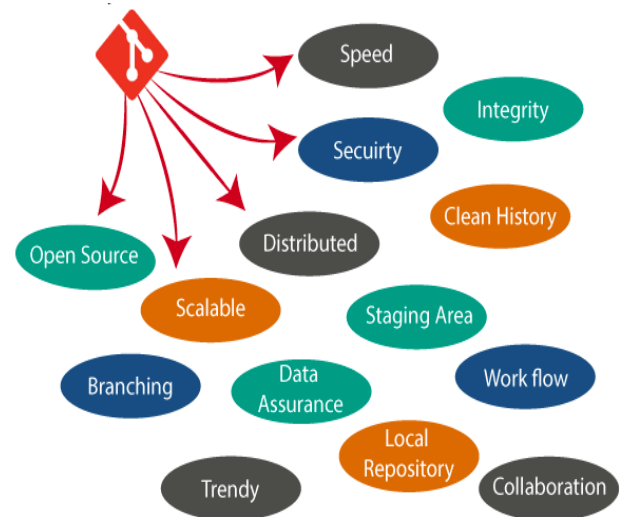
1. Clone the Git repository as a working copy.
2. Modify the working copy by adding/editing files.
3. If necessary, update the working copy by taking other developer's changes.
4. Review the changes before commit.
5. Commit the changes.
6. Push the changes to the repository.
7. After committing, if any changes are required, then correct the last commit and push the changes to the repository.

Following is the pictorial representation of the Git work-flow.



## Why Git?

- **Git Integrity:** Git is developed to ensure the security and integrity of content being version controlled.
- **Trendy Version Control System:** Git is the most widely used version control system. It has maximum projects among all the version control systems.
- **Everything is Local:** Operation of Git can be performed locally .
- **Collaborate to Public Projects:** We can collaborate the projects and show our creativity to the world. Many developers are collaborating on public projects.





# What is GitHub?

GitHub is a Git repository hosting service. GitHub also facilitates with many of its features, such as access control and collaboration. It provides a Web-based graphical interface. GitHub is an American company developed in 2008. It hosts source code of the users' project in the form of different programming languages and keeps track of the various changes made by programmers. It offers both distributed version control and Source Code Management (SCM) functionality of Git. It also facilitates some collaboration features such as bug tracking, feature requests, task management for every project.

## Features of GitHub

GitHub is a place where programmers and designers work together. They collaborate, contribute, and fix bugs together. It hosts plenty of open source projects and codes of various programming languages.

Some of its significant features are as follows:

- **Easy project management:** GitHub is a place where project managers and developers coordinate, track, and update their work so that projects are transparent and stay on schedule.
- **Increased safety with packages:** Packages can be published privately, within the team, or publicly to the open-source community. The packages can be reused by downloading them from GitHub.
- **Effective team management:** GitHub helps all team members to stay on the same page and organized. Moderation tools like Issue and Pull Request Locking helps members to focus on the code.
- **Improved code writing:** Pull requests help the organizations to review, develop, and propose new code. Team members can discuss any implementations and proposals through these before changing the source code.
- **Increased code safety:** GitHub uses tools to identify and analyze vulnerabilities to the code that other tools tend to miss. Development team works together everywhere to secure the software supply chain, from start to finish.
- **Easy code hosting:** All the code and documentation are located in one place. There are millions of repositories on GitHub, and each repository has its own tools to help you host and release code.

## Benefits of GitHub

GitHub can be separated as the Git and the Hub. GitHub service includes access controls as well as collaboration features like task management, repository hosting, and team management.

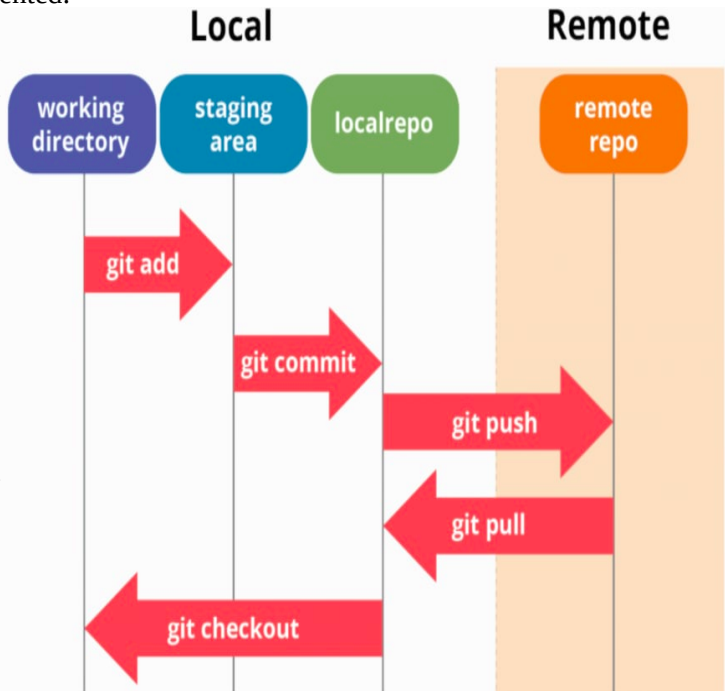
The key benefits of GitHub are as follows:

- **It makes it easy to contribute to your open source projects:** Nearly every open-source project uses GitHub to manage its project. Using GitHub is free, if user's project is open source then it is easy to include extensive documentation and get feedback.
- **Documentation:** By using GitHub, users can an excellent documentation. Their help section and guides have articles for nearly any topic related to Git.
- **Showcase your work:** When searching for new recruits for their project, most companies look into the GitHub profiles. If user profile is available, then user has a higher chance of being recruited.
- **Markdown:** It allows user to use a simple text editor to write formatted documents. GitHub has revolutionized writing by channeling everything through Markdown.
- **Track changes in user code across versions:** When multiple people collaborate on project, it's hard to keep track of revisions who changed what, when, and where those files are stored. GitHub takes care of this problem by keeping track of all the changes that have been pushed to the repository. Much like using Microsoft Word or Google Drive, user can have a version history of their code, so that previous versions are not lost with every iteration.
- **Integration options:** GitHub can integrate with common platforms such as Amazon and Google Cloud, services such as Code Climate to track your feedback, and can highlight syntax in over 200 different programming languages.

# Flow of GitHub

The GitHub flow is a lightweight, branch-based workflow built around core Git commands that are used by teams around the globe. The GitHub flow has six steps, each with distinct benefits when implemented:

- **Create a branch:** Topic branches created from the canonical deployment branch (usually main) allow teams to contribute to many parallel efforts. Short-lived topic branches keep teams focused and results in quick ships.
- **Add commits:** Snapshots of development efforts within a branch create safe, revertible points in the project's history.
- **Open a pull request:** Pull requests publicize a project's ongoing efforts and set the tone for a transparent development process.
- **Discuss and review code:** Code review is at the core of an open and participatory culture. Teams participate in code reviews by commenting, testing, and reviewing open pull requests.
- **Merge:** Upon clicking merge, GitHub automatically performs the equivalent of a local 'git merge' operation. GitHub also keeps the entire branch development history on the merged pull request.



- **Deploy:** Teams can choose the best release cycles or incorporate continuous integration tools and operate with the assurance that code on the deployment branch has gone through a robust workflow.

## Companies use Github for their development process

Both major corporations and small open source organizations use GitHub for their development process. GitHub makes its revenue on paid subscriptions for private repositories, which are usually proprietary products. Public repositories are free for everyone. Many companies have a mix of both public and private repository as there is a precedent of open source altruism in software development. For example: Facebook has a ton of open source softwares on GitHub, including the super popular Java Script framework and React. Other popular companies that use Git and GitHub for source code hosting are :

- Netflix • Amazon • Airbnb • Google • IBM • LaunchDarkly • Instacart • Stackshare • Node.js Web Stack • Nodenest
- GitHub is by far the most popular Git repository hosting service. In 2020, the pandemic of the new coronavirus has moved people around the world to work remotely. This has led many companies to connect with open source software developers. As of that, there were 56 million users across the globe with over 1.9 billion repositories.

## Comparison chart of GitHub alternatives

Name	Free	Storage	Users	Unique Features
GitHub	Yes	1 GB per Repo	Unlimited	Stores revision of projects
GitLab	Yes	Not available	Unlimited	DevOps lifecycle
Bitbucket	Yes	Not available	Unlimited in Public	Professional teams
Launchpad	Yes	Not available	Unlimited	Developing and maintaining projects
SourceForge	Yes	2 GB	Not available	IT developers
Beanstalk	No	3 GB	5-200 users	Solid Git and SVN hosting
Apache Allura	Yes	Not available	Unlimited	Source code repositories management
Git Bucket	Yes	Not available	Unlimited	Powered by Scala and runs on JVM

# Differences: Git and GitHub

## **Git and GitHub Operate Completely Differently:**

The main difference between Git and GitHub is in their functionality. While they both provide Source Code Management (SCM) and make merging and sharing code easier. Git is a single computer whereas GitHub is a network of multiple interconnected computers. Git is a free, open-source software Distributed Version Control System (DVCS) designed to manage all source code history. It can keep a history of commits, can reverse changes, and allows developers to share code. Each developer must have Git installed on his/her local device to collaborate. It is commonly referred to as one of the best DevOps tools to understand and use in the developer space, and it's among the most widely used tools today. Companies like Amazon, Facebook, and Microsoft use it, to name a few.

GitHub, on the other hand, is a web-based hosting service for Git repositories. It offers all of Git's Distributed Version Control System Source Code Management (DVCS SCM) and has some additional features. This includes collaboration functionality like project management, support ticket management and bug tracking. With GitHub, developers can share their repositories, access other developers' repositories, and store remote copies of repositories to serve as backups.

## **Work in Different Environments:**

Another difference between Git and GitHub is the environment in which they operate. Git is installed locally on a system, so developers can manage their source code history using their local machines as repositories. This means there is no centralized server required to use Git, and no internet access required. Additionally, there's no user-management system available and has a proprietary desktop GUI. GitHub, meanwhile, lives in the cloud, so internet access is required. It also has a built-in user-management system and a user-friendly GUI. In addition to its main website, GitHub features a desktop version that can be installed on local computers to help synchronize code. It should be noted that Git can be used without GitHub, but GitHub cannot be used without Git.

## **Handle Commands Differently**

Using Git, developers perform command-line tool where codes can be committed and merged within its tools on their local devices. By contrast, GitHub provides its cloud-based graphical interface where these tasks are performed. The interface also offers features like access control, collaboration, and various task-management tools to developers. Git focuses exclusively on SCM tasks like push and pull, commit, reset, fetch, and merge. GitHub, meanwhile, serves as a host for Git repository teams to store their code in a centralized location. While Git serves as a tool that's used to manage multiple versions of source code edits that are then transferred to files in a Git repository, GitHub acts as a location for uploading copies of a Git repository.

## **Owned by Different Companies**

Git has remained an open-source tool since 2005. Till date, it is maintained by the Linux Foundation as part of the open-source ecosystem of tools and technologies. By contrast, GitHub was launched as a company in 2008 and acquired by Microsoft in 2018.

## **Different Competitors**

While there are some advantages of Git as a DVCS, it does have some significant competitors like Mercurial, IBM, Subversion, and Clear Case. GitHub's competition is widely different due to its software-as-a-service (SaaS) focus and includes companies like GitLab and Bitbucket.

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## Academic Activities

### Smart Gujarat for New India Hackathon- 2019-20

To create and promote an innovative culture and to develop a sustainable ecosystem, the Education Department, Government of Gujarat, had organized “Smart Gujarat for New India Hackathon 2019-20” for technical institutes of Gujarat. With its unique motive, this time the state sponsored Hackathon involving 16 Departments sharing 206 problem definitions to be solved by 1520 teams comprising more than 8,000 students from 202 colleges affiliated to 35 universities under the guidance of 1000 unique faculty mentors making it the highest in such open innovation experiment. Four teams and their mentors of FCAIT participated in Hackathon 2019-20 with specific problem statements assigned by the Education department, Government of Gujarat.

The **first team** consisting of BCA students- “Smart Goggles”, submitted their idea on a device that helps blind people detect objects and hurdles in the path and gives a brief about the surrounding environment.

The **second team** comprised of BCA students- “ParkIT”, submitted their idea on “IOT Application to give real time parking space available on the campus/ in city” to the Family welfare department.

The **third team** involving iMSCIT students-“Human Interacted Wireless Digital Notice Board”, created a Human Interactive Digital Notice Board. It is a scrolling notice board offering controllers such as Next, Previous, Pause. This team got selected for the final round of Smart Gujarat for New India Hackathon-2019-20.

The **fourth team** consisting of BCA students- “IOT Based Smart Dustbin Application”, created E-Waste Smart Dustbin that operates automatically to solve this issue using IOT and sensor-based circuitries.



### COVID-19 STUDENT OPEN INNOVATION CHALLENGE 2020-21

Two teams had registered in Covid-19 Student Open Innovation Challenge 2020-21(SOIS) with specific problem statements given by the Government of Gujarat. In SOIC-2020-21, students developed “Code Blue Patient Monitoring System” and “Covid-19 Lungs X-Ray Testing Application” for Covid-19 patients.

### Tech Talk

Tech Talks are futuristic technology-oriented talks wherein students explore various contemporary techniques and technologies and present the same to other students through talk shows. In this academic year the following tech talks were organized:

A virtual tech talk “**Convert Local Host to Server**” was organized on 11<sup>th</sup> May 2020 and was telecast on Facebook Live.

It was focused on how to convert a local computer into a web host server with the help of open source software like Xampp.

Another Tech Talk “**YOLO Algorithms**” was organized on 13<sup>th</sup> August, 2020 . The talk explored the current scenario of how YOLO Algorithm predicts classes and bounding boxes for the whole image in one run of the Algorithm.

On 05<sup>th</sup> October 2020 “**Web Secure Free Securing using Encryption**” was organized for sharing knowledge of securing the contents through various encryption techniques. Students showcased the practical implication of some live attacks and algorithms with tools like 'Metasploit, Msfvenome, Burpsuite'.

### Code Express – Programming Competition Discover, Code & Get Inspired

The institute has started an initiative named Code Express to develop coding skills in students. Under its mandate, various innovative programs based on trending programming languages have been given to students. New efforts are being made to give students an opportunity to showcase their expertise in a friendly yet spirited environment to develop their coding skills.

Due to the situation of Covid-19, this year Code Express was organized ONLINE through Webex platform.

Event No	Date	Theme
CODE EXPRESS #6	11 <sup>th</sup> May, 2020	Data Structure using C++
CODE EXPRESS #7	24 <sup>th</sup> August, 2020	C or C++
CODE EXPRESS #8	3 <sup>rd</sup> October, 2020	Java and Networking
CODE EXPRESS #9	29 <sup>th</sup> December, 2020	HTML5 and CSS



# Academic Activities

## Seminars / Workshops / Guest Lectures

To go beyond classroom teachings and curriculum the institute organizes workshops and seminars on recent trends and technologies for students.

Date	Name of Activity	Name of Expert
3 <sup>rd</sup> December, 2019	Seminar on Communication Skills	Dr. Kruti Vyas, FCAIT, GLS University
4 <sup>th</sup> January, 2020	Seminar on Web service using Java	Prof. Nirja Shah, FCAIT, GLS University
7 <sup>th</sup> January, 2020	Seminar on Big Data and Business Intelligence	Prof. Ankit Pimputkar, FCAIT, GLS University
22 <sup>nd</sup> February, 2020	Seminar on Career options after BCA	Mr. Umang Zaveri, Arham Education
19 <sup>th</sup> August, 2020	Webinar on Single Sign-on	Prof. Nirav Suthar, FCAIT, GLS University
5 <sup>th</sup> September, 2020		
9 <sup>th</sup> September, 2020	Workshop on “ How to create Diagrams via DIA tools? ”	Prof. Rinkal Shah, FCAIT, GLS University
3 <sup>rd</sup> October, 2020	Webinar on “Introduction to Natural Language Processing”	Dr. Arpit Jain, FCT, GLS University
5 <sup>th</sup> October, 2020	Webinar on “ Career options after BCA by Arham Education ”	Mr. Umang Zaveri, Arham Education
23 <sup>rd</sup> & 24 <sup>th</sup> December, 2020	Workshop on “jQuery”	Prof. Jainin Vakil, FCAIT, GLS University
30 <sup>th</sup> December, 2020	Webinar on “Image Processing”	Prof. Neha Vaswani, FCAIT, GLS University

## CYBER SHADEZ-2019-20

FCAIT & FCT hosted a three-day National Level Technical Festival “Cyber Shadez” with the theme “DEEP TECHNOLOGIES” at the GLS University Campus from 13<sup>th</sup> to 15<sup>th</sup> February 2020. The objective of the TechFest was to provide a platform to the young students who have an insight into applications based on Deep Tech. Under Cyber Shadez 2020 various competitions like Debugging Code, Idea Presentation, Database Treasure Hunt, IT Quiz, Relay Programming and Logo Design were organized for UG and PG students and competitions like Webaholic, Brain Digger and Tech Teaser were organized for higher secondary school students too. On 15<sup>th</sup> February, an Inaugural Ceremony was held in the prestigious presence of dignitaries Shri Sudhir Nanavati, President, GLSU, Dr. Bhalchandra Joshi, Provost, GLSU and Dr. Dharmesh Shah, Registrar, GLSU. The keynote speaker of CYBER SHADEZ 2020 was Dr. Mani Madhukar, Programme Manager, IBM India Pvt. Ltd.



# Academic Activities

## Industrial Visit- Divya Bhaskar

Our students visited Divya Bhaskar, Ahmedabad on 1<sup>st</sup> January and 28<sup>th</sup> February 2020. The prime objective was to acquaint students with the functioning of newspaper industry. During the visit, students visited the Warehouse, Production Area, and Dispatch Area of Divya Bhaskar. Students became familiar with the supply chain, the revenue and cost mechanism of the newspaper industry.

## Academic Visit- CEE

Our students went on an academic visit to Centre for Environment Education (CEE), Ahmedabad on 2<sup>nd</sup> January 2020. During this visit, the students were introduced to subjects like biodiversity of India, food chain and food web through practical exercises and demonstrations.

# Cultural Activities

## SHADEZ - 2019-20

FCAIT believes that "Learning happens everywhere, not just in the classroom" and so every year organizes an internal cultural event – SHADEZ. An event was organized on 31<sup>st</sup> January and 1<sup>st</sup> February 2020 to provide wonderful opportunities for students to learn and explore perspectives of various cultural dimensions, thereby enhancing their cultural competence. A wide spectrum of activities was organized under this event. Students actively participated in activities like Mehendi, Rangoli, Poster Making, Collage Making, Face Painting, Debate, On the Spot Photography, On the Spot Painting, Elocution, Debate, Antakshri, Instrumental and Dance competition and showcased their creativity. Shadez 2020 ended on a positive note with the prize distribution ceremony.



# Faculty Achievements

- Prof. Disha Shah and Dr. Neetu Agrawal presented a research paper titled "Multiclass Weighted Associative Classifier with Application based Rule Selection for data gathered using Wireless Sensor Networks" in the International Conference On Evolutionary Computing And Mobile Sustainable Networks (ICECMSN 2020) on 24<sup>th</sup> and 25<sup>th</sup> February 2020.
- Prof. Poonam Dang and Dr. Harshal Arolkar presented a research paper titled "Automatic Evaluation of Electronic Circuit Design" in the International Conference on Data Science and Intelligent Applications (ICDSIA-2020) held at Gandhinagar Institute of Technology on 24<sup>th</sup> and 25<sup>th</sup> January 2020.
- Prof. Bharti Gupta and Dr. Anil Gupta presented a research paper titled "Study Optimization of Power Transformer Using Artificial Intelligence Technique" in the Journal of Advances and Scholarly Researches in Allied Education Vol. 16, Issue No. 6, ISSN N0:2230-7540 May, 2020.
- Prof. Jyoti Dubey and Dr. Ankit Bhavsar presented a research paper titled "WSN Based Driver Cabinet Monitoring System for the fleet of long route Vehicles" in the International Conference on Data Science and Intelligent Applications (ICDSIA-2020) held at Gandhinagar Institute of Technology on 24<sup>th</sup> and 25<sup>th</sup> January 2020.
- Prof. Kinjal A. Patel published a research paper on "Classification and Automatic Detection of COVID-19 from X-ray Images using Convolutional Neural Network" in an International Journal of Xidian University Vol. 14, Issue-6, June 2020 ISSN No: 1001-2400.
- Dr. Kruti M. Vyas participated and presented a paper on "Exploration of cross-cultural consciousness in Chitra Banerjee Divakaruni's Before We Visit the Goddess" in an International Conference on 'Diaspora Governance in International Relations: Opportunities and Challenges for India' 10<sup>th</sup> & 11<sup>th</sup> February 2020 organized by Centre for Diaspora Studies, Central University of Gujarat, Gandhinagar.
- FCAIT won a 2<sup>nd</sup> position for Performance of Excellence by Computer Society of India in Region-III Ahmedabad.
- Prof. Poonam Dang received "The Women Active Participation" award for active participation in CSI activities by Computer Society of India in Region-III Ahmedabad.



# Extra Curricular Activities

## CWDC

Collegiate Women's Development Cell of FCAIT organizes various programmes to create social awareness about the problems of women and in particular regarding gender discrimination, to develop the self confidence of Women, to guide about Women Welfare Laws to assert the importance of spiritual, economic, social, racial and gender equality and to highlight the importance of health and hygiene.

The institute organized the following activities in the current academic year:

A seminar on **“Stress Management”** was organized on 18<sup>th</sup> December 2019. Yog Guru Shree Kalpeshbhai Mistri, Frenyben Desai Foundation, Ahmedabad was the resource person of this seminar, who gave a demo of various pranayama and yog mudra and inspired students to live stress free life. Ms. Ankita Karia, Head Department of Yog, Frenyben Desai Foundation and Dr. Aparna Pancholi, Managing Trustee, Frenyben Desai Foundation were also present during this seminar.

Having faith in the saying, **“WHEN DIET IS WRONG, MEDICINE IS OF NO USE. WHEN DIET IS CORRECT, MEDICINE IS OF NO NEED”**, a seminar on **“Food se Fitness Tak”** was organized on 11<sup>th</sup> January 2020. It was conducted by Dr. Devyani Jogi, who shared many facts about food habits and also demonstrated a few basic yoga to be performed before and after having food.

On 10<sup>th</sup> September 2020 a webinar **“Self Defence – Woman Fights Back”** was conducted by Shri Jaldeepbhai and Shri Navneetbhai, police personnel from Ahmedabad Police Surakhsha Setu Cell and ACP Mini Joseph Sir (Ahmedabad Mahila Police Station) was a guest of honour of this webinar. Its chief aim was to build awareness about various laws that protect women and also to execute multiple techniques of self-defense through demonstration.

A webinar on **“Women’s First Call – Health and Care”** was conducted by Dr. Hetal Patolia on 3<sup>rd</sup> October 2020, for girls students of FCAIT. She discussed many health problems faced by women and how they need to take care of themselves to remain fit and disease free.

**“Know Your Rights – Laws that Protect Women and their rights”** was a yet another webinar conducted by ACP Mini Josheph Sir (Amhedabad Mahila Police Station). Its prime aim was to build awareness about various laws that protect women and their rights. The talk ended with a question-answer session and students were also made familiar with the emergency helpline numbers and mobile applications like ‘181 Abhayam’ and ‘Grannus’.

**“7 Factors for Real Fitness: Health and Habit”** was conducted by Yogesh Patel Sir on 30<sup>th</sup> December 2020. He discussed essential habits like deep breathing, eating healthy food, proper sleeping posture that helps us to stay fit and healthy. Students were overwhelmed seeing the videos of Mr. Yogesh performing various calisthenics exercises. He inspired all the students to eat healthy food and stay fit and strong.

## I. M. Nanavati Inter-College Sports Celebration 2019-20

In 2019 sports meet was celebrated from 08<sup>th</sup> December to 29<sup>th</sup> December. Achievements in sports meet:

1. Football Team - Runner-up Trophy
2. Anjali Jain - Silver Medal, Chess
3. Yug Soni, Parth Talsaniya - Silver Medal, Carrom



## Titanium Jural Fest-2019

Our student Aman Pandya participated in Titanium Jural Fest-2019 organized by GLS Law College and won two medals in free style (100m and 50m) swimming competition.



# Co-Curricular Activities

## First @35<sup>th</sup> Inter University Youth Festival - 2019-20

FCAIT, GLS University reached new heights with Daksh Sharma's victory in Western Instrumental Solo Event both at 35th West Zone Inter-University Youth Festival-2019-20 and National Inter-University Youth Festival.



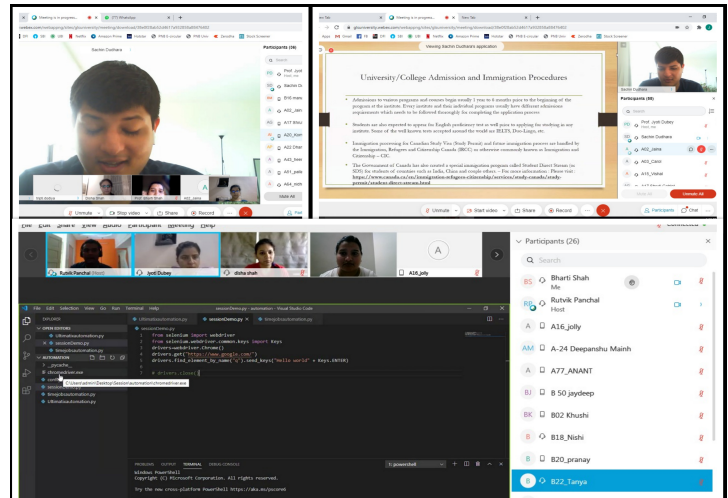
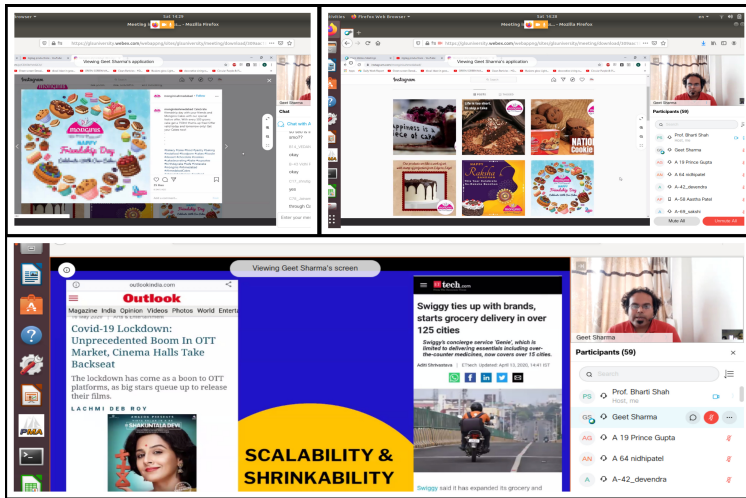
Daksh Sharma did not only represent GLS University at National level but also clinched the championship at the National Inter-University Youth Festival. About his overall experience, Daksh said, "I feel extremely fortunate to get this opportunity. I am grateful to our Provost Shri B. V. Joshi and Shri Vadibhai Patel, Dean, Student Youth and Welfare, GLSU for extending encouragement and support. I also thank our team manager Prof. Bharti Shah for her valuable guidance and care during this entire journey. I am honoured that I could reciprocate this opportunity and won the championship for my university. Although this is my last year at GLS University, I will always remain a student of GLS University."

## Alumni Talk

The institute is keen on being in touch with its alumni across the world, the institute arranges sessions for Student-Alumni interaction. It provides students an exposure to alumni's work profile and culture. Moreover, students acquire knowledge about the recent trends and technologies of respective countries where alumni have settled.

This semester we got connected to three of our alumni:

- Mr. Rutvik Panchal, TCS Software Professional, TCS, Chennai, India.
- Mr. Geet Sharma, Sr. Faculty and Entrepreneur, Abhiram Services.
- Mr. Sachin Dudhara, Tier-2 Consultant, Roger Communications Inc., Ontario, Canada



## External Achievements

Students of FCAIT participated in various technical events organized by other institutions at state and national level.

Name of Students	College Name	Event Name	Secured
Abhidya Adukia	HK College Dept. Of Compuer Applications	Inter College Computer Quiz	1 <sup>st</sup>
Himanshu Joshi			
Dhiraj Joshi			
Tirth Chavda			
Yash Mehta			
Karan Mehta			
Aditya Tiwari	Faculty of Business Administration -NRBBA, GLSU	Vishleshan Plus- Stand up Comedy	1 <sup>st</sup>
Bhavik Kasodariya		Vishleshan Plus- On the Spot Painting	3 <sup>rd</sup>
Student Group		Vishleshan Plus- Group Dance	3 <sup>rd</sup>
Bhavika Tiliyani	Faculty of Commerce- SMPIC, GLSU	Swami Vivekanand Elocution	4 <sup>th</sup>
Bhavik Keswani	Indus University	Click o Manic	3 <sup>rd</sup>
		Codethon	3 <sup>rd</sup>