



Don Bosco Institute of Technology, Mumbai – 400070



Department of Computer Engineering

Report on: **Database Linking Workshop**

Title: Database Linking Workshop

Date: 28th March, 2022

Time: 03:00 pm to 05:00 pm

Venue: Computer Centre Lab

Participants: 69

Resource Persons Grejo Joby and Ruvim Rodrigues

Organizing Department/Committee/Authority: ACM Student Chapter

Faculty Coordinator: Ms. Sana Shaikh

Objective:

- To learn the basics of how to build and deploy websites using Flask which would be useful for students during the application of their mini projects.
- To develop and host web applications through flask web framework.
- To gain knowledge on the establishment of connections between python and databases.
- To understand the principles of creating an effective REST API(Application Programming Interface) using flask.

Outcomes:

- To gain a clear understanding on the linking of databases to Flask.
- To demonstrate the ability to build a website that includes basic CRUD(Create, Read, Update, Delete) operations.
- To demonstrate the ability to build a REST API(Application Programming Interface) using flask.

Report:

ACM organised a hands-on workshop on **Database Linking** on the 28th of March 2022 from 03:00 pm to 05:00 pm in the Computer Center. The primary objective of this workshop was to enable students to develop web applications through flask web framework and link it to a database. This workshop was held exclusively for the second year students of the computer engineering department.

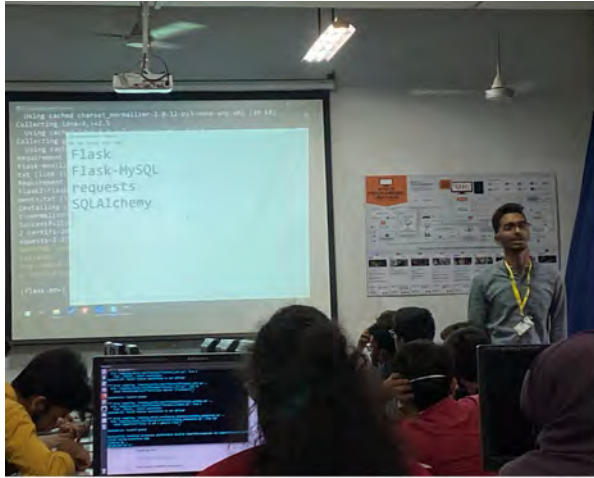
Mr Grejo Joby(Chairperson-ACM DBIT) commenced this workshop by giving a brief introduction to the Flask python web framework. Moving on, he educated the students on the usage of the terminal and the command prompt. He then taught and demonstrated the initial setup of the python environment along with the installation of the needed flask libraries and dependencies. Following, he taught database configuration, installation and its connection to flask. He shared information about CRUD(Create, Read, Update, Delete), the four basic operations that can be performed on data. He described what an API(Application Programming Interface) is and demonstrated how a basic REST API is made using flask. He informed them about SQLAlchemy, a Python SQL toolkit which is a fantastic package for loading and querying databases. Later, Mr Grejo displayed a website which he made that stores the user's name and email address and includes the basic CRUD operations. He explained the code of the website in detail.

Lastly a Q&A session was held, Mr Grejo cleared all the doubts and looked after the queries. Students were asked to fill the feedback form which was circulated on the whatsapp group.

POSTER:



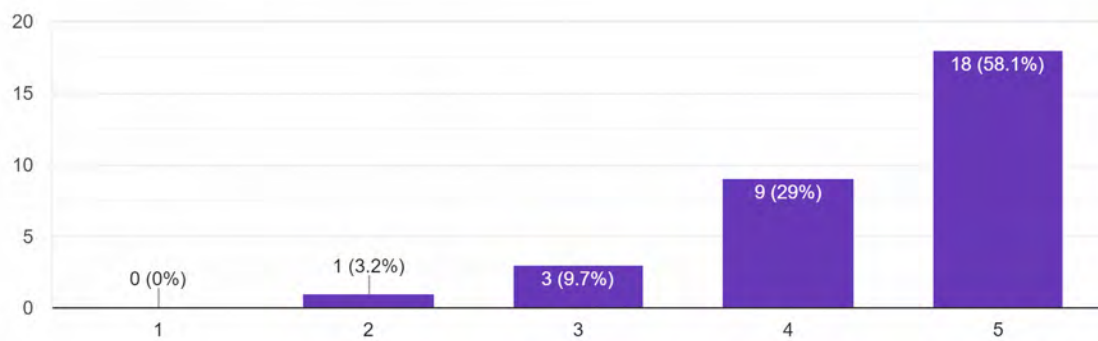
SNAPSHOT OF THE EVENT:



FEEDBACK ANALYSIS:

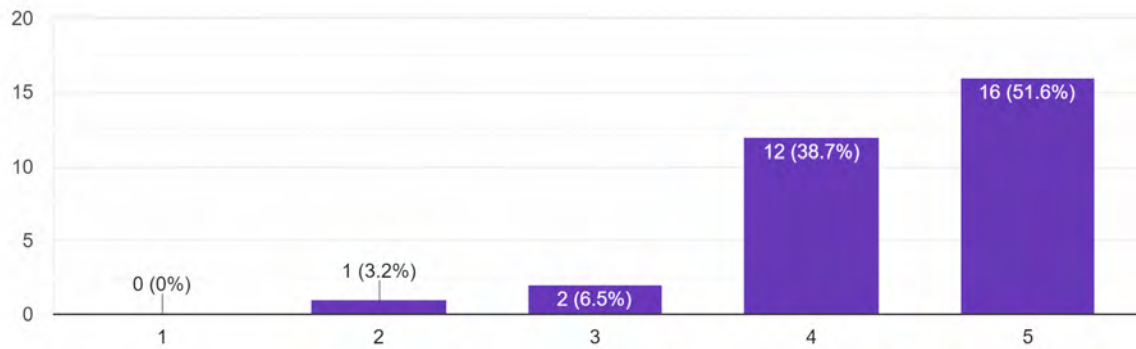
Did you understand the basics of database Linking?

31 responses



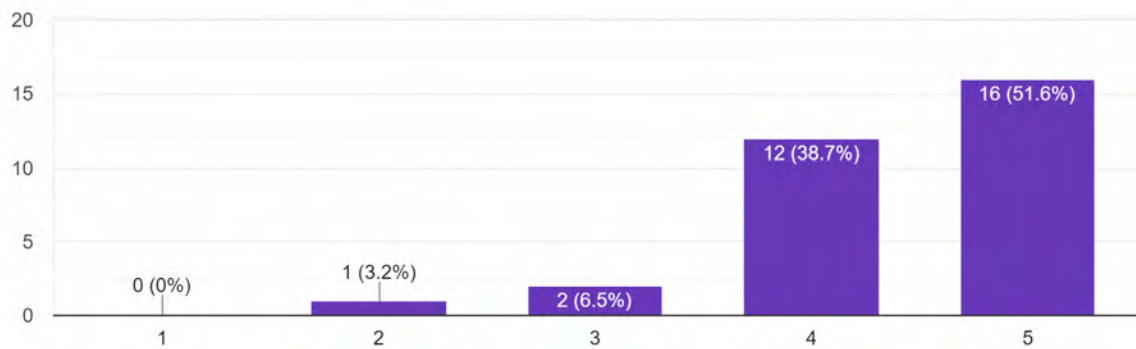
Did you understand how post and get methods work?

31 responses



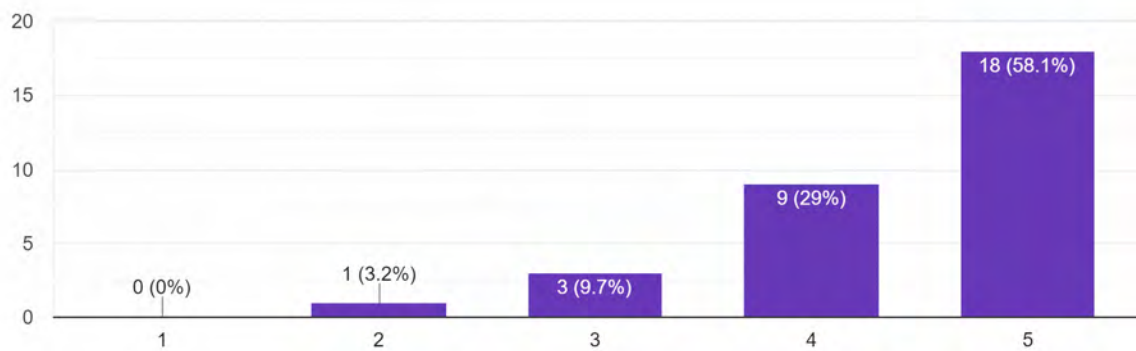
Did you understand how post and get methods work?

31 responses



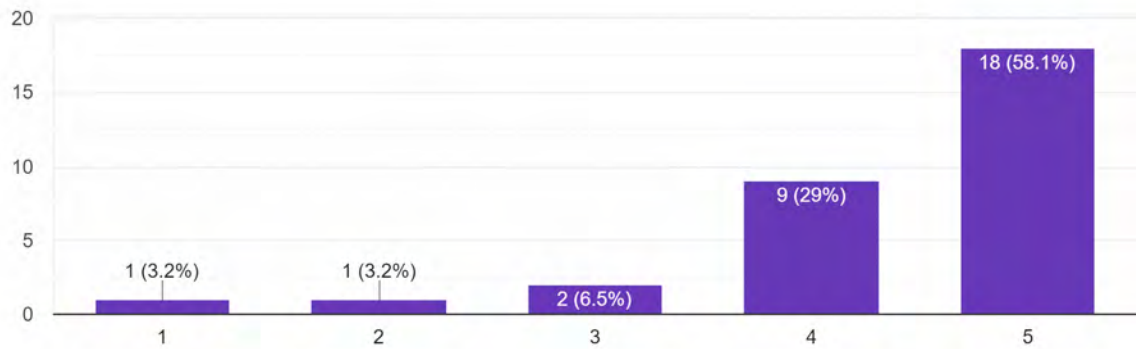
Did you understand what are functions?

31 responses



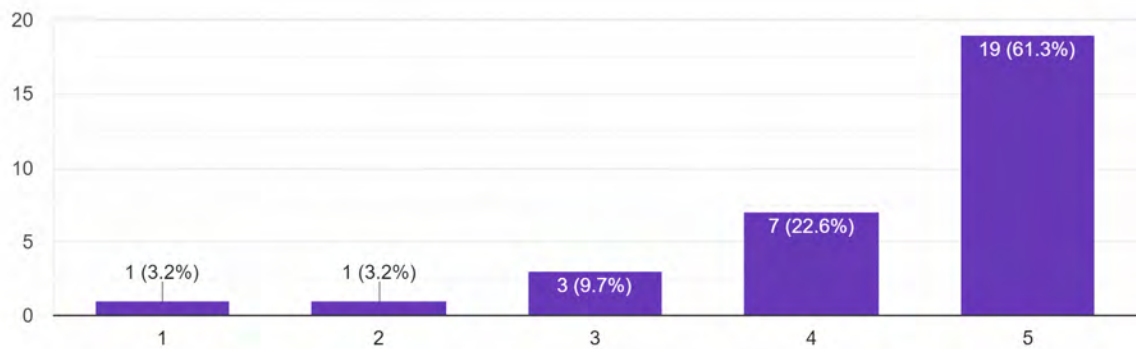
Did you understand the concept of CRUD operations ?

31 responses



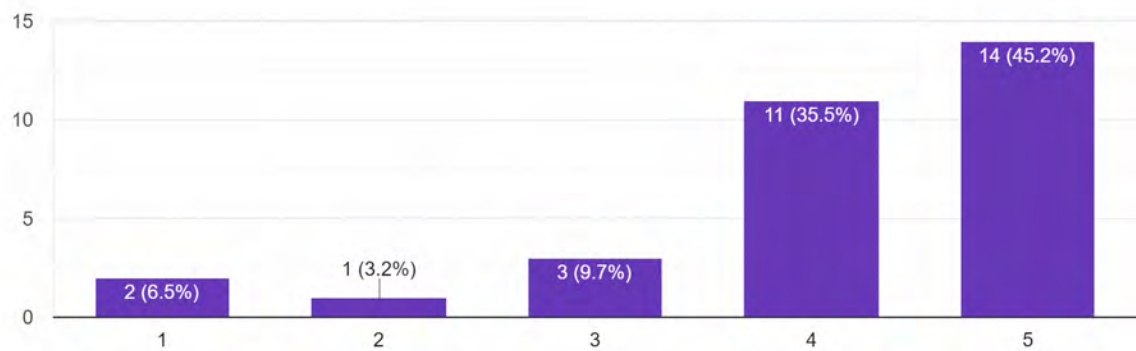
Did you understand the basics of Flask ?

31 responses



Did you understand how to connect Flask to MySQL ?

31 responses



PARTICIPANTS DETAILS:

Attendance

Don Bosco Institute of Technology
Computer Department
S.E. Computers List 2021-2022 (Even Sem)
Attendance Sheet – Hand-on workshop on Flask-MYSQL with GURD Operations

Subject: DBMS Faculty: Sana Shaikh Date: 28-03-2022 Timing: 3pm to 4 pm

Roll Number	Name of the Student	Attendance	Roll Number	Name of the Student	Attendance
1	Sauril Sami	Present	26	Tilley Jesu Naula	Present
2	Ahmed Anshu Marwa Jaha Marjo	Absent	37	Siddhant Ganesh Naada	Absent
3	Aashika Arackkalamy	Absent	38	Pandey Anilraj Arvind	Absent
4	Ashad Sarvek Sonil	Present	39	Hrushikesh Pramod Patilgrati	Absent
5	Kamshik Santosh Bodmatta	Present	40	Shah Sajid Patel	Absent
6	Chaitanya Raj Chandrakant	Present	41	Pavankar Sahil Santosh	Absent
7	Sanku Anant Chandrakant	Present	42	Pritinayak Rishabh Jiteshbhai	Absent
8	Devansh Chitambar	Present	43	Sanku Devendra Pradham	Absent
9	Pratik Daga	Present	44	Pratik Madhavi Satyanarayan	Absent
10	Siddhant Dhaigade	Present	45	Tanishk Pratik	Present
11	Chiraj D'Souza	Present	46	Sanku Rebello	Present
12	Ervan D'Souza	Present	47	Lajos Vijay Kousarao	Present
13	Rishabh D'Souza	Present	48	Gaurav Samanta	Present
14	Bhara Edson	Present	49	Shahid Mohd Sumere Naam	Present
15	Ahan Romcio Fernandes	Present	50	Shikang Akshay Mohan	Present
16	Alana Fernandes	Present	51	Sahil Sherke	Present

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Attendance

17	Nigel Fernandes	Absent	52	Shingre Manish Mangesh	Present
18	Aryaman Gavali	Present	53	Rahul Shrivastav	Present
19	Bipin Dinesh Giri	Present	54	Ehtesham Siddiqui	Present
20	Sahil Rajkumar Gadse	Present	55	Surve Romak Rajendra	Present
21	Aryaa Gonsalves	Present	56	Saturav Sandil	Present
22	Selwyn Gonsalves	Present	57	Shrikrishna Laxman Umbare	Present
23	Aniket Gupta	Absent	58	Vadassery Anshay Shiju	Present
24	Rhea Gupta	Present	59	Leona Jolly Varghese	Present
25	Alexon Jaisalroyan	Present	60	Royce Vaz	Present
26	Sakshi sanjay jughale	Present	61	Thottian Christie	Present
27	Jha Aashish Subhchandra	Present	62	Khan Shadab Alam	Present
28	Noel Jomichan	Present	63	Fernandes Andrea	Present
29	Grace Lewis	Present	64	Ghate Om	Present
30	Abhiraj Sanjay Mane	Present	65	Anari Nasirah	Present
31	Vivek Sonil Maurya	Present	66	Dharmadikari Yash	Present
32	Cresel Savio Mendonca	Present	67	Belhekar Vipul	Present
33	Sharlene Misal	Present	68	Madkaikar Siddhesh	Present
34	Noel Monticoro	Present	69	Pereira Chris	Present
35	Salaya Lebishu Nadar	Present			

Report prepared by: Ms. Grace Lewis

(ACM Asst Admin Head-DBIT)

Report approved by: Prof. Sana Shaikh (Faculty Coordinator, Computer Dept., DBIT)

Dr. Phiroj Shaikh (HOD, Computer Dept., DBIT)