



BHARATIYA VIDYA BHAVAN'S  
**SARDAR PATEL INSTITUTE OF TECHNOLOGY**

MUNSHI NAGAR, ANDHERI (WEST), MUMBAI – 400 058.

(Autonomous College Affiliated to University of Mumbai)

## **Research and Development Committee**

### **Technical Paper Presentation competition(Category 2)-2019-20**

Date: 15<sup>th</sup> May 2020

Timings: 3:00 pm onwards

**Department Name: Information Technology**

### **Departmental Report**

Competition was conducted on Departmental level between the students of IT, 3.00 pm onwards on 15<sup>th</sup> May 2020 in IT department. From IT, 5 groups (13 students) participated for this event. Prof. Sakina Salmani from MCA Department was the judge for this competition in the Information Technology Department.

Competition was conducted via online mode using Google Meet: <https://meet.google.com/dzk-gsdp-fad>. Evaluation of the presentation was done using assessment sheet given by the R & D Committee. Also, parallel assessment was done on technical paper written by students. The 1st best ranked group was selected as winners from each department.

The Evaluation was done in two Phases:

#### **A) Technical Paper Writing**

Technical Papers written by the students were collected two days prior to the event i.e. 12<sup>th</sup> May 2020 and were given to judge Prof. Sakina Salmani alongwith pre-defined Rubrics for Technical Paper Writing for evaluation. Marks out of 25 were awarded to students under this segment on the basis of Rubrics for Technical Paper Writing.

#### **B) Technical Paper Presentation**

Students were made to present the papers by means of PowerPoint Presentation for time limit not exceeding 7 minutes and additional 3 minutes were reserved for question-Answer session. Marks out of 25 were awarded based on the defined Rubrics for Technical Paper Presentation

## Screenshots of Evaluation of student groups

REC Apurv Moroney is presenting Sakina Shaikh and 13 more

### Methodology

The diagram illustrates a methodology for handling database requests, involving a Database, Global Cache, and Local Cache 3. The process is as follows:

1. Write request for object x
2. Status changed from unlocked to locked
3. Write Request W1 appended to queue with previous read=0 and count=0
4. Write Request given to database
5. Continuous polling requests after 5ms
6. Read request(R1) for object x
7. Write Request (W2) for object x
8. Continuous polling requests after 5ms
9. Write request completed
10. Write request completed
11. Status changed to unlocked and timestamp updated
12. W1 completed and removed from queue & completed read count +1

Global Cache parameters: x = 200, 400; L, L, L, L; W1, W2 (previous, previous); object b, read 1.

Local Cache 3

meet.google.com/dzk-gsdp-fad?authuser=1 Harsh Dave is presenting Anushree Kujal and 10 more

### OUR METHODOLOGY (3)

#### Conversion of elements to HTML and CSS

The input to LSTM network is the type of element and their coordinates and the generated output for every case is HTML code along with CSS aspects.

The diagram illustrates the methodology for converting elements to HTML and CSS. It shows the flow of data from input elements (container, button, text) through LSTM networks to generate HTML and CSS output.

Input elements: container, button, text.

Intermediate outputs: <body>, text, <button>, text.

Final outputs: "text", "text".

Video call participants:

- Sarah Sonje
- Harsh Dave
- Sakina Shaikh

The screenshot shows a Zoom meeting interface. The main content is a presentation slide titled "AGENDA" with six numbered items:

- 1 Problem Statement, Motivation and Objectives
- 2 Typical Design Workflow
- 3 Architecture and Methodology
- 4 Tech Stack
- 5 Implementation and Results
- 6 Future Scope and Conclusion

The video call interface on the right shows three participants: Sakina Shaikh (blue circle with 'S'), Harsh Dave (blue circle with 'H'), and Jaswantsingh Pardeshi (video feed). The top status bar indicates "REC", "Harsh Dave is presenting", and "Sanyam Harne and 10 more".

Based on the evaluation, following group was declared as winner:

Gr. No.	UID	Student Name	Paper Title
5	2016140058	Sarah Sonje	draw2code: AI based auto web page generation from hand-drawn page mock-up
	2016140010	Harsh Dave	
	2016140042	Jaswantsingh Pardeshi	

The departmental coordinator would like to thank Dr. Radha Shankarmani (Dean & HOD, IT), Dr. Prasenjit Bhavathankar (Deputy HOD, IT) and all the faculty members of the department of the IT for their coordination for this event. Special thanks to Dr. Y. S. Rao, Dean R&D, SPIT for his continuous guidance and support.

Prof. Nikahat Mulla  
 R&D Coordinator,  
 IT Department, S.P.I.T.