

**CASTLE Committee****AY 2021-22**

The CASTLE committee is formed for the academic year 2021-22 to perform the various activities in the Civil engineering department.

Sr. No.	Post	Name of Student	Contact number
1	President	Tanmay Baing	7507241666
2	Vice-President	Darshana Gole	8483800556
3	Secretary	Arpita Gavanang	8080418667
4	Vice-Secretary	Manish Repal	9112641882
5	Treasurer	Trupti Mohite	9158200754
6	Vice-Treasurer	Asmita Pendhari	7709205736
7	BE Boy's Representative	Ashish Pawar	7066487750
8	BE Girl's Representative	Purva Nandgaonkar	9527236697
9	TE Boy's Representative	Moh. Tashif Panjri	9359717474
10	TE Girl's Representative	Priyanka Gamare	9168017472
11	SE Boy's Representative	Shardul Lad	9322395400
12	SE Girl's Representative	Shreya Gejage	7821037392

  
CASTLE Staff Coordinator

Mr. V. S. Jadhav



  
Head of Department

Dr. S. K. Patil

Head

Department of Civil Engineering  
Gharda Institute of Technology  
100 Level, 415 703, Tal. Ratnagiri, Dist. Ratnagiri



# Department Of Civil Engineering

Castle Committee 2021-2022

Respected teachers & my dear friends,

On the occasion of Teachers' Day celebrated on 5th of September we Castle Committee are organizing two program's on 7th of September (Tuesday)

★ **Speech Program**

This will be dedicated to Honorable late. Sarvepalli Radhakrishnan & all our Civil Faculty Members

★ **Teaching Session**

This Teaching Session will be conducted by JES & BE Civil Students

**Speech Program**

Tuesday 3:00 pm - 3:30 pm  
Google meeting link for Speech program:  
<http://meet.google.com/gcy-yjoy-tkw>

**Teaching Session 1**

Tuesday 3:30 pm - 4:00 pm  
Google Meeting link for SE lecture:  
<http://meet.google.com/vde-qxmk-ppsp>

**Teaching Session 2**

Tuesday 4:00 pm - 4:30 pm  
Google Meeting link for TE lecture:  
<http://meet.google.com/yyc-txbb-biq>

So we Castle Committee requesting all Respected Civil Faculty & Staff members and Students to join us on 7th of September from 3:00 pm to 4:30 pm for this two program's.



Thanks & Regards  
Castle Committee 2021-2022

## Report on "Teacher's Day Celebration"

**DATE:** 7 Sept 2021

**TIME:** 3:00 PM

**MODE:** Online (Google Meet)

**FACULTY COORDINATOR :** Dr.V.S. Jadhav

**ORGANIZER :** CASTLE Committee 2021-2022, Department of civil Engineering GIT.

**OBJECTIVE :** On 7th Sept 2021, On the Occasion Of Teacher's Day the program was conducted by Castle Committee on a virtual platform through Google Meet to provide opportunity to the students to express their gratitude and appreciation towards their teachers. It was held for students and faculty members of the civil engineering department.

**PROGRAM SCHEDULE:** The program started at 3:00 pm.

### ABOUT THE PROGRAM:

The program was organised by Castle Committee 2021-2022 on 7th of September 2021 on the occasion of Teacher's Day. The whole program was carried out through a virtual platform. The link of the program was provided before 5min of the program through official groups of the classes. The students of almost all the SE TE and BE classes participated in the program.

The program began with a welcome speech by the speaker by welcoming all the civil faculty members. Then TE Civil students gave their speech with best wishes to teachers. After that HOD sir gave their speech. A speaker (TE Civil student) announces all the events happening on the program one by one through a mic. On that day, the responsibility of teaching is taken up by the BE and TE students, BE students take the lecture of TE students and TE students take the lecture of SE students. The Castle Committee prepared a timetable of two lectures, lecture one was EM of semester 3rd and second one lecture was TRCS of semester 5th from 3:30pm to 4:30 pm.

Between 3:30 pm to 4:00 pm TE students tutored SE students on the topic of Introduction to Geology, they were explained various types of geology. Formation of Rock and Importance of Geology in Civil Engineering. Between 4:00 pm to 4:25 pm



BE students taught TE students on the topic of Limit State Method vs Working Stress Method. There he explained the Stress-Strain Curve for materials. After this he explained Limit State Method and Working Stress Method with their examples and also gave their merits and demerits.

The program ended with a thank you speech from the speaker.

### IMAGES:

**GIT** GHANDA INSTITUTE OF TECHNOLOGY

## Department Of Civil Engineering

Castle Committee 2021-2022

Respected teachers & my dear friends,

On the occasion of Teacher's Day dated on 5th of September we Castle Committee are organizing two program's on 7th of September (Tuesday):

<p>★ <b>Speech Program</b> This will be dedicated to Honorable late. Sarvepalli Radhakrishnan &amp; all our Civil Faculty Members</p>	<p>★ <b>Teaching Session</b> This Teaching Session will be conducted by TE &amp; BE Civil Students</p>
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<p><b>Speech Program</b> Tuesday 1:00 pm - 3:30 pm Google meeting link for Speech program: <a href="https://meet.google.com/jec-3jg-4hw">https://meet.google.com/jec-3jg-4hw</a></p>	<p><b>Teaching Session 1</b> Tuesday 3:30 pm - 4:00 pm Google Meeting link for SE lecture: <a href="https://meet.google.com/vle-qznd-pzp">https://meet.google.com/vle-qznd-pzp</a></p>	<p><b>Teaching Session 2</b> Tuesday 4:00 pm - 4:30 pm Google Meeting link for TE lecture: <a href="https://meet.google.com/vje-4hd-4dq">https://meet.google.com/vje-4hd-4dq</a></p>
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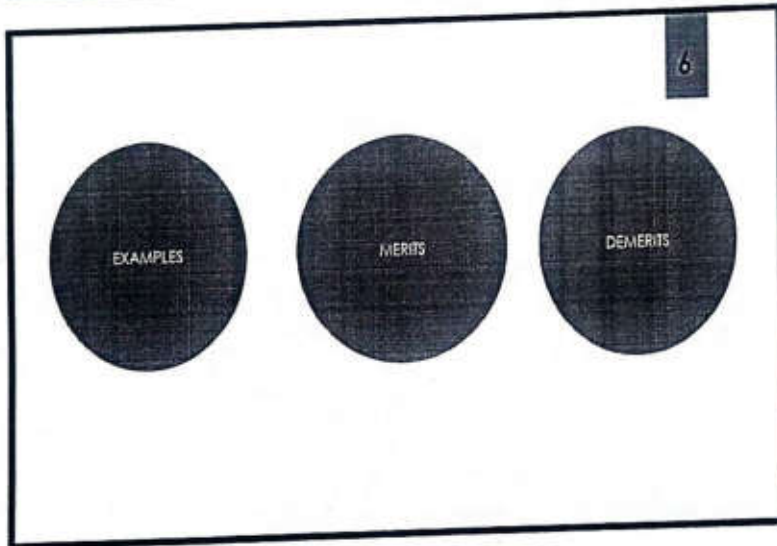
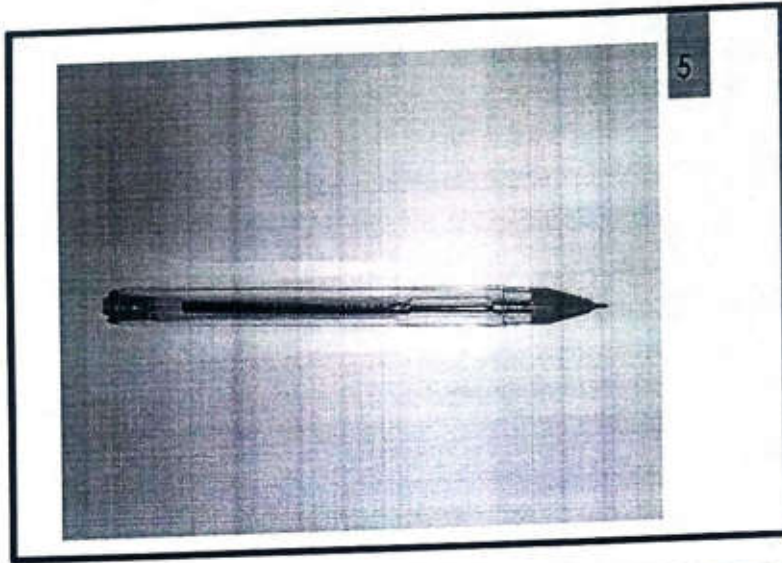
So we Castle Committee requesting all Respected Civil Faculty & Staff members and Students to join us on 7th of September from 3:00 pm to 4:30 pm for this two program's.

Thanks & Regards  
Castle Committee 2021-2022

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### TE LECTURE



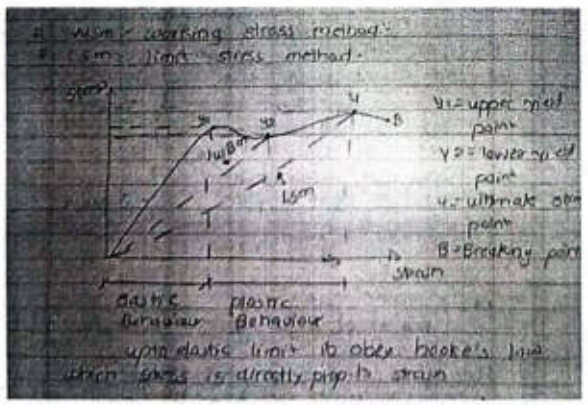
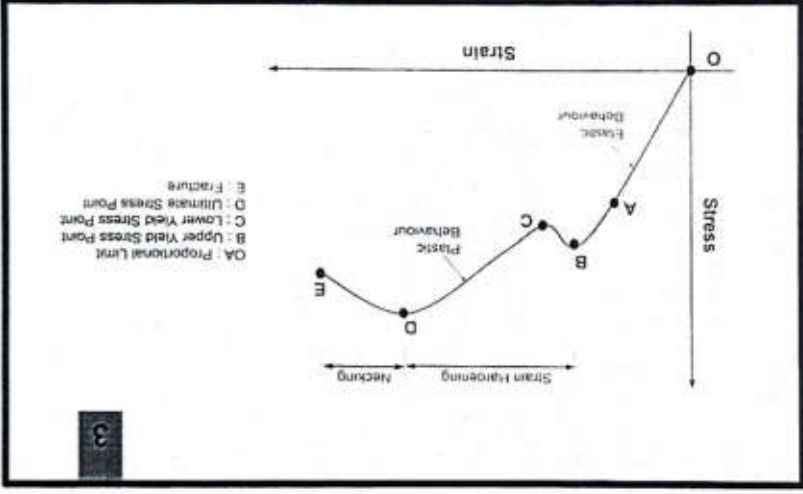


### CONCLUSION :

This program has provided Students a chance to express their gratitude and appreciation by taking a responsibility of teaching for their teachers.



# WHAT IS A LIMIT STRESS METHOD AND WHAT IS A WORKING STRESS METHOD



# DEPARTMENT OF CIVIL ENGINEERING CASTLE COMMITTEE 2021-22

Results of Drawing Competition which was carried out on  
15th of October the Birth Anniversary of Honorable Dr. APJ Abdul  
Kalam

## Topics :

- 1- Future City Plan Drawing
- 2- Online Class VS Offline Class Drawing
- 3- Historical Monuments/ Forts Drawing

## RESULTS OF DRAWING COMPETITION

# 1

**PRACHI  
KADAM**

(SE Civil)  
Won the prize money  
of 300/-  
(Winner)

# 2

**AKSHATA  
PATANKAR**

(BE Civil)  
Won the prize money  
of 200/-  
(Runner Up)

## Congratulations Winners !



**Judge**

Prof. G. D. Parulekar Sir

## Report on Drawing Competition

**NAME OF EVENT:** Drawing Competition

**DATE OF EVENT:** 15 OCT 2021

**TIME:** 6:00 PM

**MODE:** Online

**ORGANIZER :** CASTLE Committee 2021-2022, Department of civil Engineering GIT.

**JUDGE:** Prof. G D Parulekar.

### REPORT SUMMARY

#### Objective:

1. To enhance the creative skills among the students.
2. To aware students about Dr. A P J Abdul Kalam's motives, his thoughts and spreading it among this generation.

15 October is celebrated as the birth anniversary of Honorable A P J Abdul Kalam known as "MISSILE MAN". This day is also known as World Student's Day. The day aims to acknowledge the efforts of kalam towards education and students.

On 15 October 2021, the Castle Committee organized the virtual drawing competition on behalf of the civil department. On 14 October 2021 Notice was uploaded to official groups of classes of our department in which it was mentioned that the drawing competition is based on the topic "Future City Plan Drawing, Online class VS Offline class Drawing, Historical monuments/ Forts Drawing". There were some rules given for the participants about the competition.

#### Rules For the Competition Are As Follows:

1. Use A4 Size Drawing Paper.
2. Margin 1cm X 1cm is Required.
3. You can use any drawing related materials.
4. Submit the drawing through google form before given time.

At the event there were many participants all of them were too good at their drawings. The event was organized by the Castle Committee and the competition was judged By Prof. G D Parulekar.

There was a limited time to upload all the drawings by 6pm on 15 OCT 2021. In which there were 2 prizes and 1<sup>st</sup> Prize was won by Prachi Kadam [SE Civil], 2<sup>nd</sup> Prize was won by Akshata

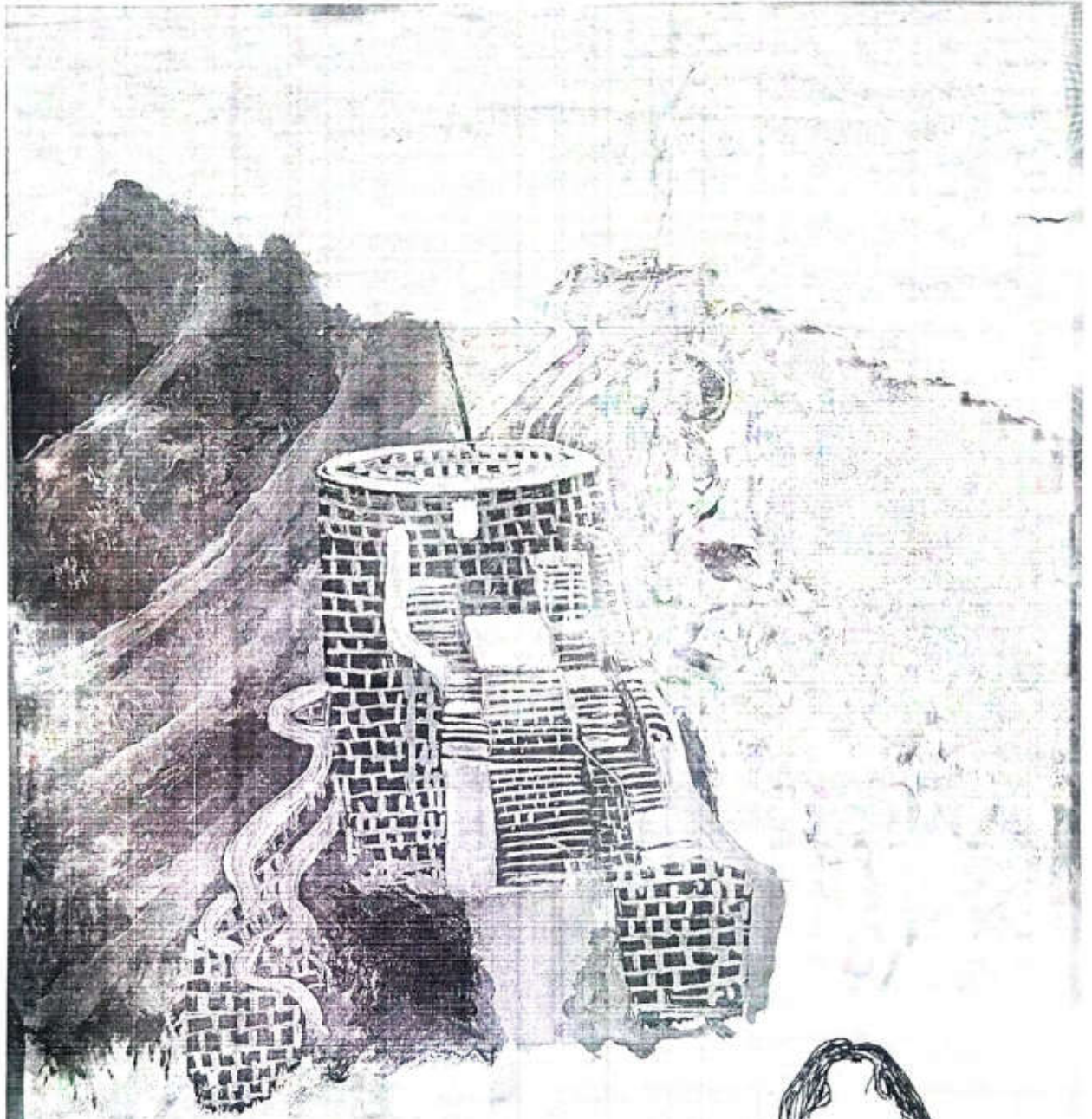




Patankar [BE CIVIL]. They were graded as per their creativity, uniqueness of the depicted theme and then the program ended well.

**Conclusion:** This program has provided Students a chance to present their skills.





Don't believe in luck,  
Believe in Hard Work.

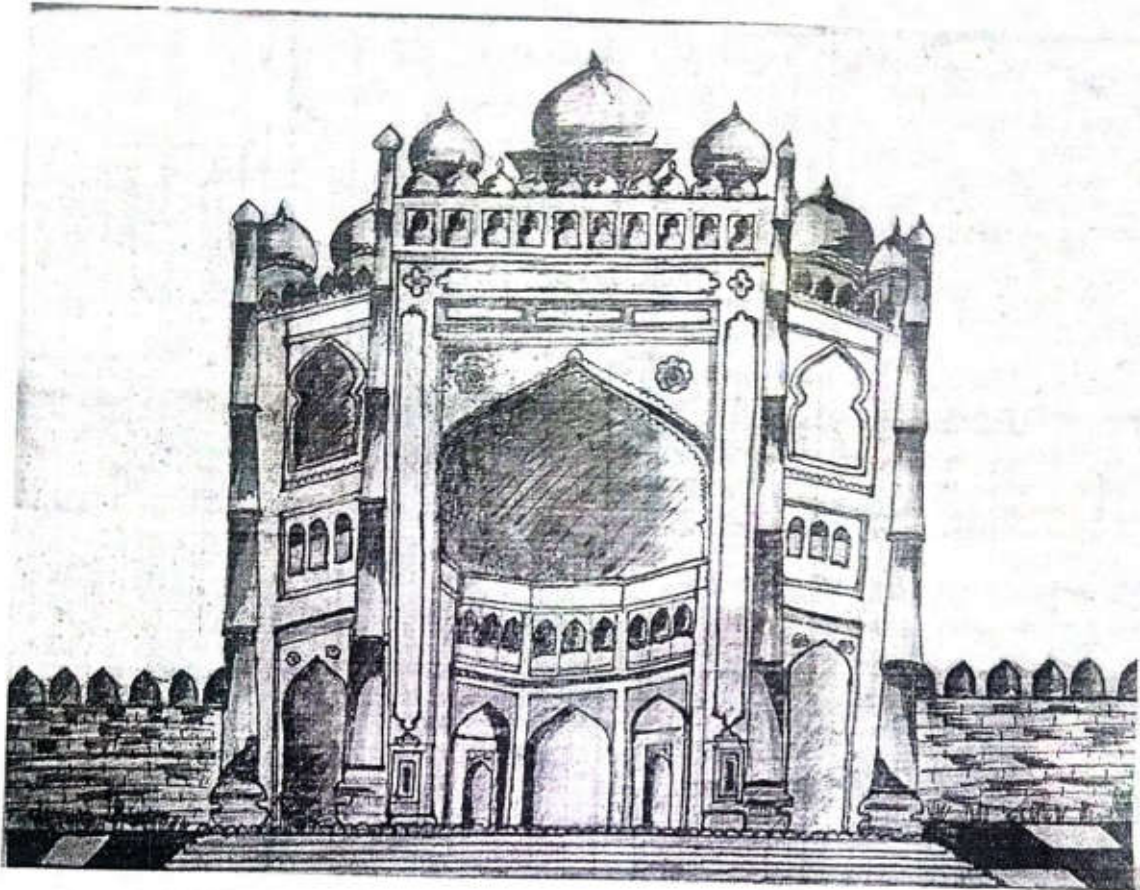


TRIBUTE  
TO  
A.P.J ABDUL  
KALAM.

Class: S-E Civil Kadam Prachi Siddharth.

Prachi Kadam(Historical monuments)[SE CIVIL]





Don't take rest  
after ur first  
victory. becoze  
if you fail in  
second, more  
lips are waiting  
to say, that ur  
first victory was  
just luck.

name:- Akshata Digambar Patankar.

Roll No:- 51

dr APJ  
abdul kalam

Akshata Patankar(Historical monuments)[BE CIVIL]



# Department of Civil Engineering

## CASTLE COMMITTEE 2021-2022

### Shiv Jayanti



On the occasion of Shiv jayanti we Castle Committee are organizing Speech Competition and Power Point Presentation Competition on 19th of February via online Platform (Google Meet). Google meet link will be provided 30min before the program.

### *Speech Competition*

Theme : Chhatrapati Shivaji Maharaj

Rules :

1. Language Format- English/Marathi/Hindi
2. Time Limit - upto 3-5 min
3. Voice and Speech should be clear

Judge : Prof. Vaibhav D. Kamble Sir



### *Power Point Presentation Competition*

Topics :

1. Civil Engineering Aspects in Forts of Maharashtra
2. The Father of Indian Navy : Chhatrapati Shivaji Maharaj
3. Guerrilla Tactics ( Ganimi Kava )

Rules :

1. Individual or Max 2 members are allowed in each group
1. Language Format- English/Marathi/Hindi
2. Presentation Time - max 10 min
3. The content of the PPT should not be copied.

Judge : Dr. Yogesh R. Kulkarni Sir



At the time of competition participants should stay in good network.

E-certificates will be given to all the winners and participants

Competition Time :- Saturday 3:00pm to 5:30pm



President of Castle Committee: Dr. Sachin Kulkarni Sir

Vice President of Castle Committee: Prof. Vaibhav D. Kamble Sir

For registration contact : Manish Repal - 9112641882 ( Vice Secretary)

President of Castle Committee: Manish Repal

## Report on Shiv Jayanti

**NAME OF EVENT:** Shiv Jayanti (Speech Competition and Power point presentation Competition)

**DATE OF EVENT:** 19 FEB 2022

**TIME:** 10:00 AM

**MODE:** Online

**ORGANIZER :** CASTLE Committee 2021-2022, Department of civil Engineering GIT.

**JUDGE:** Speech Competition --- Prof. V D Kamble.

Power point presentation Competition --- Prof. Y R Kulkarni.

### REPORT SUMMARY

#### Objective:

1. To enhance the skill of PPT presentation on different topics.
2. To enhance the knowledge about Chhatrapati Shivaji Maharaj, his thoughts.

On 19<sup>th</sup> February 2022, Department of Civil engineering celebrated the Shiv Jayanti program. The day aims to acknowledge the efforts of Chhatrapati Shivaji Maharaj towards mission of any planned project.

On 19<sup>th</sup> February 2022, the Castle Committee organized the virtual Speech competition & Power point presentation Competition on behalf of the civil department. On 10 February 2022 Notice was uploaded to official groups of classes of our department in which it was mentioned that the Speech competition is based on the theme "Chhatrapati Shivaji Maharaj". And Power point presentation Competition is based on the topics "Civil engineering aspects in fort of Maharashtra, The father of Indian navy-Chhatrapati Shivaji Maharaj, Guerrilla tactics (Ganima Kawa)". There were some rules given for the participants about the competition.

#### Rules For the Speech Competition as Follows:

1. Language -- Marathi/Hindi/English
2. Time limit -- 3 to 5 minutes
3. Voice & speech should be clear.

#### Rules For the PPT presentation Competition as Follows:

4. Maximum 2 members allowed in group



5. Language -- Marathi/Hindi/English
6. Presentation time -- 10 minutes
7. The content of PPT should not be copied.

At the event there were many participants all of them were too good at their speech PPT presentation. The event was organized by the Castle Committee. The Speech Competition was judged by Prof. V D Kamble and the Power point presentation Competition was judged by Prof. Y R Kulkarni.

There was a limited time to present the speech & PPT presentation on 19 Feb 2022. In which there were 2 prizes as Winner (Rs. 200/-) and Runner up (Rs. 100/-).

In Speech competition which there were 1<sup>st</sup> Prize & 2<sup>nd</sup> prize was won by Asmita Pendhari [TE CIVIL] & Shreya Gejage [SE Civil] and in PPT presentation 1<sup>st</sup> prize by Prachi Kadam [SE Civil]. They were graded as per their creativity, uniqueness of the depicted theme and then the program ended well.

**Conclusion:** This program has provided Students a chance to present their skills and share their thoughts in competitions.



## TECHNICAL QUIZ REPORT

**NAME OF EVENT:** Technical Quiz

**DATE OF EVENT:** 25 April 2022

**TIME:** 2:00 to 3:00 pm

**MODE:** Offline

**ORGANIZER :** CASTLE Committee 2021-2022, Department of civil Engineering GIT.

On 25 April 2022, the Castle Committee members arranged a Technical Quiz (MCQ test) based on Civil engineering knowledge. For this test SE, TE & BE students were eligible. On 24 April 2022 members had set question paper based on Civil engineering syllabus, there were total 30 Questions referred from competitive books of civil engineering.

All students who were participated in this test was informed to gather at the BE class, 15 min before, 2:00 pm on 25 April. Exam started exactly at 2:00 pm and ended on 3.00 pm and exam hall was supervised by committee members while the winning criteria of test was, whoever will get maximum marks in paper and the submitted time will be also considered. The winner of Quiz competition was Sapna Gangaram Gurav with 20 marks out of 30 marks and runner up was Shubham Shivaram Kadam with 17 marks.

We felicitated them on the farewell party for their achievements.



GHARDA INSTITUTE OF TECHNOLOGY

Department of Civil Engineering

CASTLE COMMITTEE 2021-22

TECHNICAL TEST

2021-22

20

30

Name: Sayam Ganganam Gawri

Date: 25/4/2022

Year: 7th C. Civil

Duration: 20 min

Sign: [Signature]

Marks: 30

1. The range of a projectile is maximum when the angle of projection is
- 30°
  - 45°
  - 60°
  - 90°

2. The absorption of water by materials with equal to the modulus of elasticity is equal to both
- Compression and Tension
  - Compression and Shear
  - Shear and Tension
  - None of these

3. The operation in a hydraulic machine is mainly depend on
- Low Velocity
  - High Velocity
  - Low Pressure
  - High Pressure

4. The correction of the earth is taken into consideration if the length of the survey is
- 50 to 100 km<sup>2</sup>
  - 100 to 200 km<sup>2</sup>
  - 200 to 250 km<sup>2</sup>
  - More than 250 km<sup>2</sup>

5. The angle of friction of the bottom plate and block glass in an applied mechanics is
- 30°
  - 45°
  - 60°
  - 90°

6. The specific gravity of sand is
- 1.1 to 1.8
  - 1.4 to 2.0
  - 1.6 to 2.95
  - 2.95 to 3.4

7. The commonly used type of weighing bucket type
- Toppan bucket type
  - Flat type
  - All of these
  - PH value is a symbol for Concentration

8. PH value is a symbol for Concentration
- Massesum
  - Hydrogen
  - Calcium
  - Sodium

9. The highest point on road surface is called
- crest
  - camber
  - grades
  - bayot

10. The most efficient traffic signal system is
- Simultaneous system
  - Alternate system
  - Sevate progressive system
  - Simple progressive system

11. The rail section, now widely used in Indian railways is
- Double headed type
  - Double bell type
  - Roll headed type
  - Flat headed type

12. The property of the soil mass which prevents the seepage of water through its interconnecting voids, is called
- Capillarity
  - Permeability
  - Porosity
  - Aluminum point

d. None of these

13. The final operation of finishing the concrete surface is called
- Scratching
  - Flattening
  - Finishing
  - All of the above

14. When the ratio of effective length of the column to its least lateral dimension does not exceed 15, it is as a
- Long column
  - Short column
  - Main column
  - None of these

15. CPM stands for
- Control Process method
  - Critical Path method
  - Control Planning method
  - Critical process method

16. Rock is formed due to alteration of original structure under heat and excessive pressure is
- Sedimentary rock
  - Igneous rock
  - Metamorphic rock
  - None of these

17. Hook's law hold good up to
- Yield point
  - Elastic limit
  - Plastic limit
  - Breakdown point

18. The unit of moment of inertia of an area is
- Kg m<sup>2</sup>
  - Cm<sup>2</sup>
  - Kg m<sup>4</sup>
  - m<sup>4</sup>

19. Which of the following paint is highly resistant to fire
- Concent paint
  - Asbestos paint
  - Aluminum paint
  - Enamel paint

19. The bed of canal is lowered in case of
- Siphon aqueduct
  - Canal siphon
  - Level crossing
  - All of these

20. When the spring of watch is a wound, it will possess
- Strain energy
  - Kinetic energy
  - Heat energy
  - Electrical energy

21. How many groups are there in IS codes for Civil Engineering?
- 27
  - 62
  - 35

22. The headquarters of the Bureau of Indian Standards (BIS) is at
- Hydrabad
  - Agra
  - Delhi
  - Kolkata

23. Which is the most important IS code for a Civil Engineer?
- IS 767
  - IS 856
  - IS 455
  - IS 383

24. The headquarters of the Bureau of Indian Standards (BIS) is at
- Hydrabad
  - Agra
  - Delhi
  - Kolkata

25. Which is the most important IS code for a Civil Engineer?
- IS 767
  - IS 856
  - IS 455
  - IS 383





Gharda Institute of Technology, Lavel

**THE LEGENDARY CIVIL  
ENGINEERING  
DEPARTMENT PRESENTS**

*Farewell*

FOR BATCH OF 2022

31 MAY 2022 | 6:00PM - 9:00PM

VENUE : GIT AUDITORIUM

**A SWEET ENDING TO A NEW BEGINNING**

