



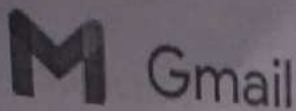
Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Department Of Computer Engineering
Organizes
Faculty/Student Development Program
On
“Applications of GeoGebra”

In Association with
Spoken Tutorial, IIT Bombay

DATE: - 19/09/2022 to 23/09/2022



Shweta Joshi <shweta.joshi@abmspcorpune.org>

Five Days Student Development Program on "Applications of GeoGebra "
organized in association with IIT Bombay Spoken Tutorial

1 message

Shweta Joshi <shweta.joshi@abmspcorpune.org>

Fri, Sep 16, 2022 at 09:15 AM

To: apcoer-se-computer-2022-23@googlegroups.com,
apcoer-te-computer-2022-23@googlegroups.com,
apcoer-be-computer-2022-23@googlegroups.com,

Greetings from ABMSP's APCOER Parvati, Pune

Dear Students,

Department of Computer Engineering of ABMSP's Anantrao Pawar College of Engineering & Research, Pune is inviting you to attend Five Days Students Development Program on "Applications of GeoGebra " organized in association with IIT Bombay Spoken Tutorial.

Registration Starts: 17th September 2022

SDP Dates: 19th September 2022 to 23rd September 2022

Mode of Conduction: Online

Registration Fees:

For APCOER Student: - Free of Cost

Interested Participants can register for the Student Development Program,

For registration contact Prof. Shweta Joshi (Computer Department) -
(Contact Number -9657996893)



Student Development training Program and Exam will be conducted through Online Mode from Spoken Tutorials IIT Bombay.

E-Certificate from Spoken Tutorial IIT Bombay will be issued on the day of exam for those students who clear/pass the exam.
Certificate of Participation will also be issued to all Participants.

SDP Coordinator:

Prof. Shweta Joshi (Computer Department)
(Contact Number -9657996893)

Patron:

Hon. Mrs. Pramila Gaikwad
General Secretary
ABMS Parishad Pune

Convener:

Dr. Sunil Thakare,
Principal, ABMSP's Anantrao Pawar College of Engineering, Pune

IQAC Coordinator:

Prof. Ganesh Kondhalkar
APCOER, Pune

Computer Engineering, Head of the Department:
Prof. Anil Lohar

Remote Centre Coordinator

Prof. Snehal Veer - 9028835257
(RC-ID 1431)

Thanks & Regards,

Prof. Shweta Joshi

Asst. Prof : Computer Department,
APCOER,

Contact: 9657996893

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/R/029A Revision: 00	DoI: 02/01/2023	
EVENT SCHEDULE			

DEPARTMENT OF Computer Engineering

Name of Event: FDP/SDP ON "Applications of GeoGebra" IN ASSOCIATION WITH THE SPOKEN TUTORIALS, IIT BOMBAY
Organizer: APCOER, Parvati, Pune.
Event Dates: 19th September 2022 to 23rd September 2022

IMPOERTANT LINKS	
✓ Spoken Tutorial Link For FDP/SDP:	https://spoken-tutorial.org/
✓ Course Material Link:	https://spoken-tutorial.org/tutorial-search/?search_foss=Applications+of+GeoGebra&search_language=English

IMPORTANT INSTRUCTIONS:

- ✓ Every Participant must have a Separate Email Id which hasn't been used for any other Spoken Tutorial.
- ✓ Every Day at 10 AM, URLs of the Video Lectures will be posted in every registered mail.
- ✓ You can watch the videos at your convenient Time at your Place.
- ✓ Every Day at 5 PM, a Attendance Link will be posted on the registered mail, which is mandatory for all Participants
- ✓ Participation Certificate will be delivered from the College, after the Two Days of FDP Completion, based on Everyday Attendance and Participant's Performance in the 5th Day Quiz.
- ✓ IITB Spoken Tutorial Exam Details will be conveyed to the Participants on the Registered mail id, after the Verification & Confirmation from Spoken Tutorial IITB.
- ✓ The Detailed Schedule of Each Day of FDP is as follows & will be shared on each Group.

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/R/029A Revision: 00	DoI: 02/01/2023	
EVENT SCHEDULE			

Day wise Schedule for the SDP (19/09/2022 to 23/09/2022)

Date: 19/09/2022, Monday DAY 1			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
1	Vectors and Matrices	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Vectors+and+Matrices/English/	12.14
2	Introduction to Trigonometry Using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Introduction+to+Trigonometry+Using+GeoGebra/English/	09.15
3	Trigonometric Ratios and Graphs	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Trigonometric+Ratios+and+Graphs/English/	8.19

Date: 20/09/2022, Tuesday DAY 2			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
4	Inverse Trigonometric Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Inverse+Trigonometric+Functions/English/	15.02



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Record No.: ACA/R/029A
Revision: 00

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EVENT SCHEDULE

5	Roots of Polynomial	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Roots+of+Polynomials/English/	12.58
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Date: 21/09/2022, Wednesday DAY 3			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
6	Complex Roots of Quadratic Equations	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Complex+Roots+of+Quadratic+Equations/English/	14.53
7	Conic Sections-Parabola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Parabola/English	12.43
8	Conic Sections-Ellipse	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Ellipse/English/	15.23

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/R/029A Revision: 00	DoI: 02/01/2023	
EVENT SCHEDULE			

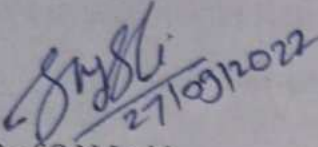
Date: 22/09/2022, Thursday DAY 4			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
9	Conic Sections- Hyperbola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Hyperbola/English/	15.40
10	3D Geometry	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/3D+Geometry/English/	14.57
11	Limits and Continuity of Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Limits+and+Continuity+of+Functions/English/	12.02

Date: 23/09/2022, Friday DAY 5			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
12	Differentiation using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Differentiation+using+GeoGebra/English/	13.50
13	Integration using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Integration+using+GeoGebra/English/	15.12
14	Statistics using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Statistics+using+GeoGebra/English/	15.05

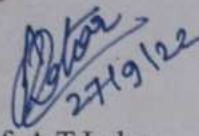
	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/R/029A Revision: 00	DoI: 02/01/2023	
EVENT SCHEDULE			

15	Probability and Distributions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Probability+and+Distributions/English	14.58
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Date: 27/09/2022

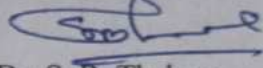

Prof. S. N. Joshi

SDP Coordinator


Prof. A. T. Lohar

HOD, Comp.




Dr. S. B. Thakare

Principal



EVENT REPORT

Name of Event: One-week Student Development Program on "Applications of GeoGebra"
organized by Department of Computer Engineering in association with
Spoken Tutorial IIT Bombay

Date of Event: 19th September 2022 to 23rd September 2022

Time of Event: 09:00 AM to 04:00 PM

Name of Event Coordinator: Prof. S.N.Joshi

Name of Resource Person/Speaker: Spoken Tutorial IIT Bombay

Brief Introduction of Resource Person/Speaker:

Carrer Point University has partnered with IIT Bombay so that students can enhance their future prospects by taking Skills and Certificates on a range of popular & lucrative Software courses through Spoken Tutorial Program (www.spoken-tutorial.org).

The training focuses on providing Computer/Software training to the students associated with University. These training will be held in the computer lab through distance learning mode.

The university agrees to include Spoken Tutorials as MOOCs for practical courses, wherever possible. University ensures that all the department are taking the benefits of the program.

Target Audience with Count:

- Students: 41

Brief Description of Event:

- **Introduction of Inaugural Function:**

Computer Engineering Department of Anantrao Pawar College of Engineering and Research, Pune in association with Spoken Tutorial, IIT Bombay organized One-week Faculty Development Program as well as Student Development Program on "latex" on 29 January 2024 to 02 Feb 2024.

This FDP was conducted through online mode. There was no stipulated time to attend the FDP. Participants can attend it anytime as per their convenience. Participants were able to access all the

Study Material of Applications of GeoGebra using following link: https://spoken-tutorial.org/tutorial/search/?search_foss=Applications+of+GeoGebra&search_language=English

Daily video links was shared by Coordinator every day at 9.00 am. Daily attendance link was also shared by coordinator every day at 5.00 pm and that link was open till 10.00 pm on the same day. It was mandatory for participants to give the attendance within scheduled time.



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



Record No.: ACA/D/021
Revision: 00

DoI: 02/01/2023

EVENT REPORT

Participation Certificate was provided to all registered participants by Anantrao Pawar College of Engineering and Research, Pune after the workshop.

E-Certificate from Spoken Tutorial, IIT Bombay was issued on the day of exam for participants who clear / pass the exam.

• **Session Description:**

Day wise Schedule for the SDP (19th September 2022 to 23rd September 2022)

On 19th September 2022 i.e. on day first, total 3 topic were conducted through Spoken Tutorial. Details of topics are as given below:

Date: 19/09/2022, Monday DAY 1			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
1	Vectors and Matrices	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Vectors+and+Matrices/English/	12.14
2	Introduction to Trigonometry Using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Introduction+to+Trigonometry+Using+GeoGebra/English/	09.15
3	Trigonometric Ratios and Graphs	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Trigonometric+Ratios+and+Graphs/English/	8.19

	Akhil Bharatiya Maratha Shikshan Parishad's Anantrao Pawar College of Engineering & Research		
	Record No.: ACA/D/021 Revision: 00	DoI: 02/01/2023	
EVENT REPORT			

On 20th September 2022 i.e. on day second, total 2 topic were conducted through SpokenTutorial. Details of topics are as given below:

Date: 20/09/2022, Tuesday DAY 2			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
4	Inverse Trigonometric Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Inverse+Trigonometric+Functions/English/	15.02
5	Roots of Polynomial	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Roots+of+Polynomials/English/	12.58

On 21st September 2022 i.e. on day third, total 3 topic were conducted through SpokenTutorial. Details of topics are as given below:

Date: 21/09/2022, Wednesday DAY 3			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
6	Complex Roots of Quadratic Equations	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Complex+Roots+of+Quadratic+Equations/English/	14.53
7	Conic Sections- Parabola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Parabola/English/	12.43
8	Conic Sections- Ellipse	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Ellipse/English/	15.23



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Record No.: ACA/D/021
Revision: 00

DoI: 02/01/2023

EVENT REPORT

On 22nd September 2022 i.e. on day fourth, total 3 topic were conducted through SpokenTutorial.
Details of topics are as given below:

Date: 22/09/2022, Thursday DAY 4			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
9	Conic Sections-Hyperbola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Hyperbola/English/	15.40
10	3D Geometry	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/3D+Geometry/English/	14.57
11	Limits and Continuity of Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Limits+and+Continuity+of+Functions/English/	12.02



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research

Record No.: ACA/D/021
Revision: 00

DoI: 02/01/2023



EVENT REPORT

On 23rd September 2022 i.e. on day fifth, total 4 topic were conducted through SpokenTutorial. Details of topics are as given below:

Date: 23/09/2022, Friday DAY 5			
Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
12	Differentiation using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Differentiation+using+GeoGebra/English/	13.50
13	Integration using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Integration+using+GeoGebra/English/	15.12
14	Statistics using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Statistics+using+GeoGebra/English/	15.05
15	Probability and Distributions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Probability+and+Distributions/English/	14.58



**Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research**



Record No.: ACA/D/021

DoI: 02/01/2023

Revision: 00

EVENT REPORT

Event Schedule:

**One-week Faculty Development Program as well as Student Development Program on
"Applications of GeoGebra"**

Day 1 - Date: 19/09/2022

Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
1	Vectors and Matrices	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Vectors+and+Matrices/English/	12.14
2	Introduction to Trigonometry Using GeoGebra	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Introduction+to+Trigonometry+Using+GeoGebra/English/	09.15
3	Trigonometric Ratios and Graphs	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Trigonometric+Ratios+and+Graphs/English/	8.19

Day 2 - Date: 20/09/2022

Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
4	Inverse Trigonometric Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Inverse+Trigonometric+Functions/English/	15.02
5	Roots of Polynomial	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Roots+of+Polynomials/English/	12.58





Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Record No.: ACA/D/021
Revision: 00

DoI: 02/01/2023

EVENT REPORT

Day 3 - Date: 21/09/2022

Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
6	Complex Roots of Quadratic Equations	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Complex+Roots+of+Quadratic+Equations/English/	14.53
7	Conic Sections-Parabola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Parabola/English/	12.43
8	Conic Sections-Ellipse	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Ellipse/English/	15.23

Day 4 - Date: 22/09/2022

Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
9	Conic Sections-Hyperbola	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Conic+Sections-Hyperbola/English/	15.40
10	3D Geometry	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/3D+Geometry/English/	14.57
11	Limits and Continuity of Functions	https://spoken-tutorial.org/watch/Applications+of+GeoGebra/Limits+and+Continuity+of+Functions/English/	12.02

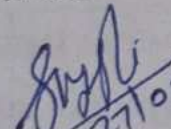


EVENT REPORT

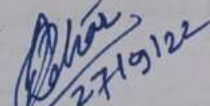
Day 5 - Date: 23/09/2022

Topic No.	Topics for Video Lectures	Video Link	Time (Mins)
12	Differentiation using GeoGebra	https://spoken-tutorial.org/watch/Application+of+GeoGebra/Differentiation+using+GeoGebra/English/	13.50
13	Integration using GeoGebra	https://spoken-tutorial.org/watch/Application+of+GeoGebra/Integration+using+GeoGebra/English/	15.12
14	Statistics using GeoGebra	https://spoken-tutorial.org/watch/Application+of+GeoGebra/Statistics+using+GeoGebra/English/	15.05
15	Probability and Distributions	https://spoken-tutorial.org/watch/Application+of+GeoGebra/Probability+and+Distributions/English/	14.58

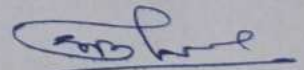
Date: 27/09/2022


Prof. S. N. Joshi

SDP/FDP Coordinator


Prof. A. T. Lohar
HOD, Comp.




Dr. S. B. Thakare
Principal



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Record No.: ACA/R/015
Revision: 00

DoI: 02/01/2023

Participant's Attendance for Event

NAME OF EVENT: SDP/FDP ON APPLICATION OF GEOGEBRA IN ASSOCIATION WITH SPOKEN TUTORIALS, IIT BOMBAY.

Sr. No.	Name of the Participant	Email ID	Gender	Signature of Participant
1	ANUJ KULKARNI	anujkulkarni512@gmail.com	Male	Online
2	BHAKTI SHINDE	sbhaktishinde@gmail.com	Female	Online
3	VEDANT CHINTA	geetachinta48@gmail.com	Male	Online
4	SHANKAR NITURE	shankarniture10@gmail.com	Male	Online
5	MANSI THOSAR	Mansithosar12@gmail.com	Female	Online
6	SAGAR SARODE	shankarniture10@gmail.com	Male	Online
7	AJINKYA MEHETRE	ajinkyamhetre01@gmail.com	Male	Online
8	PRATHAMESH ZAD	prathameshzad20@gmail.com	Male	Online
9	AAROHI PASHANKAR	aarohi.pashankar@gmail.com	Female	Online
10	TRUPTI PAKHALE	truptipakhale6@gmail.com	Female	Online
11	PRAJWAL BADERAO	prajwalashapramodbaderaov@gmail.com	Male	Online
12	SOHAM SALVI	salvisoham18@gmail.com	Male	Online
13	RAHUL DHOPE	rahuldhope09@gmail.com	Male	Online
14	ATHARAV MANDHARE	atharavmaindarge9969@gmail.com	Male	Online
15	SARTHAK MANDHARE	Sarthakmaindarge095@gmail.com	Male	Online
16	ROHAN PARVEKAR	rohanparvekar28@gmail.com	Male	Online
17	PRACHI MADOLE	prachimadole73@gmail.com	Female	Online
18	ISHA DALBHANJAN	i3.dalbhanjan@gmail.com	Female	Online
19	ADITYA POTDAR	adityapotdar002003@gmail.com	Male	Online
20	MANSI SONDKAR	mansisondkar27@gmail.com	Female	Online
21	ABHISHEK ADSUL	abhishekvadsul20082002@gmail.com	male	Online
22	ATHARVA BHADALE	Atharvabhada123@gmail.com	Male	Online
23	AMEY LOMTE	smsalomte46@gmail.com	Male	Online
24	ONKAR MUTKIRI	sonalimutkiri179@gmail.com	Male	Online



Akhil Bharatiya Maratha Shikshan Parishad's
Anantrao Pawar College of Engineering & Research



Record No.: ACA/R/015
Revision: 00

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Participant's Attendance for Event

25	SHARVIL KHADE	sharvilkhade99@gmail.com	Male	Online
26	VAISHNAVI DESHMANE	surendradeshmane2013@gmail.com	Female	Online
27	SOHAM AKHADE	akhadesoham@gmail.com	Male	Online
28	KUNDLIK GAVHANE	shubhamgavhane82@gmail.com	Male	Online
29	SAMRUDDHI SHINDE	samruddhisshinde17@gmail.com	Female	Online
30	KAUSTUBH WAGH	kaustubh.wagh78@gmail.com	Male	Online
31	PIYUSH KARPE	piyushkarpe1210@gmail.com	Female	Online
32	SRUSHTI CHAVAN	chavanhs2003@gmail.com	Female	Online
33	TANAYA PATHAK	tanayapathak24@gmail.com	Female	Online
34	ALIYA MANERI	aaliyamaneri01@gmail.com	Male	Online
35	SAMIKSHA GHARGE	samikshag0660@gmail.com	Female	Online
36	AMISHA TELANGI	telangiamisha@gmail.com	Male	Online
37	AVISHKAR CHANDGUDE	avishkarchandgude22@gmail.com	Male	Online
38	PRATHMESH GAIKWAD	prathmeshgaikwad902@gmail.com	Male	Online
39	OMKAR JADHAV	jadhav.om10903@gmail.com	Male	Online
40	SHRIMANN VYAS	vyasshrimann@gmail.com	Male	Online
41	VINIT GOWARDHAN	gowardhanvinit@gmail.com	Male	Online

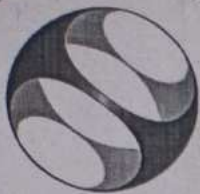
Date: 27/09/2022

27/9/2022
SDP/FDP Coordinator

27/9/22
HOD



Principal



Spoken Tutorial
Project at
IIT Bombay

Certificate of Participation

This is to certify that **SOHAM AKHADE** participated in the **Applications of GeoGebra** training organized at **Anantrao Pawar College Of Engineering & Research** in **July 2022** semester, with course material provided by the Spoken Tutorial Project, IIT Bombay.

A comprehensive set of topics pertaining to **Applications of GeoGebra** were covered in the training.

September 16th 2022

A handwritten signature in black ink, appearing to read 'Kannan Moudgalya'.

Prof. Kannan M Moudgalya
IIT Bombay

Credits for the Spoken Tutorial courses are based on our estimates of the work required to complete them. Recipient institutions are required to apply due diligence and get them ratified/modified by their own duly formed academic/assessment body. Spoken Tutorial is a project at IIT Bombay, started with funding from the National Mission on Education through ICT, Ministry of Education (previously MHRD), Govt. of India.

