

# AISSMS COLLEGE OF ENGINEERING



ज्ञानम् संकलजनाहताय Accredited by NAAC with "A+" Grade

### DEPARTMENT OF CIVIL ENGINEERING

### Vision

Nurture the talent in civil engineers to work as global leaders for development of society.

### Mission

- Provide quality education to develop competent civil engineers.
- Create awareness among students for sustainable development.
- Cultivate the leadership qualities for becoming successful entrepreneurs.

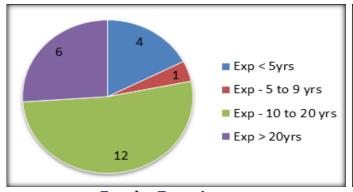
### > PEO's

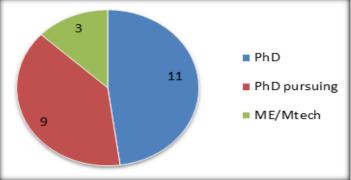
- ♣ To produce civil engineers who will be fully aware of the impact of their work on society, both nationally and globally.
- ♣ To achieve a high level of technical expertise to succeed in civil engineering practice and research.
- ♣ To develop civil engineers who acquire professionalism, leadership and commitment to professional development through lifelong learning.

### > Departmental Information

Sr. No.	Curriculum	Branch/Center	Branch/ Center Code	Establishment	Intake
01	UG (BE)	Civil Engineering	627819110	2002	120
02	PG (ME)	Civil Engineering : Structure Engineering	627821210	2011	18
03	PhD	Research Center	CEGP010850	2022	10* admitted

### Faculty Profile at a Glance





**Faculty Experience** 

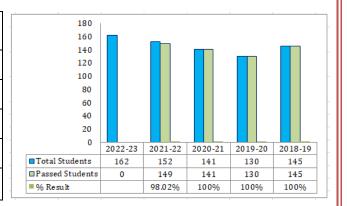
**Faculty Qualification** 

Faculty Strength	Professor	Associate Professor	Assistant Professor	PhD	PhD Pursuing	ME / M tech	Patents	Books Published
23	02	02	19	11	09	03	19	15

DEPARTMENT OF CIVIL ENGINEERING, AISSMSCOE, PUNE

### Result Analysis

Sr. No.	Academic Year	Students Appeared	Students Passed	Percentage
01	2022-23	162	Result Awaited	
02	2021-22	152	149	98.02 %
03	2020-21	141	141	100 %
04	2019-20	130	130	100 %
05	2018-19	145	145	100 %



### > Departmental Publication : - (Total = 141)

	International Journal			
Sr. No.	Academic Year	<b>Total Publications</b>		
01	2022-23	15		
02	2021-22	37		
03	2020-21	30		
04	2019-20	23		

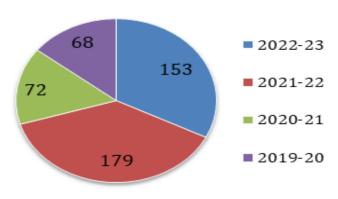
International Conference				
Sr. No. Academic Year		<b>Total Publications</b>		
01	2022-23	04		
02	2021-22	17		
03	2020-21	10		
04	2019-20	05		

### Professional Body Membership :- (Total = 46)

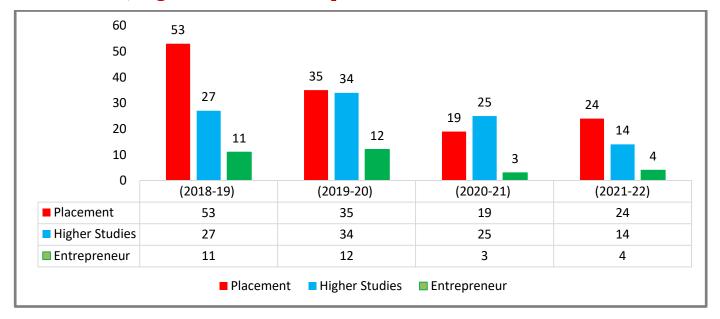
Sr. No.	Chapter Title	Commencement	Faculty Membership
Builder Association of India (BAI) March 2021 [Pune Center]:- Institut			Level Patron ship
01	The Institution of Engineers (IEI)	January 2016	07
02	Solar Energy Society of India (SESI)	July 2021	14
03	Indian Society for Technical Education (ISTE)	July 2021	12
04	Indian Geotechnical Society (IGS)	February 2022	03
05	Indian Water Works Association (IWWA)	September 2020	10

### > Students Internship :- (Total = 388)

Sr. No.	Academic Year	Internship Completed
01	2022-23	153
02	2021-22	179
03	2020-21	72
04	2019-20	68



### > Placement, Higher Studies & Entrepreneur Details



### > Students Chapters :- (Total = 632)

Sr. No.	Chapter Title	Commencement	Student Membership
01	Indian Society for Technical Education (ISTE)	July 2021	400
02	Indian Geotechnical Society (IGS)	February 2022	142
03	Indian Water Works Association (IWWA)	September 2020	90

### > MOOC'S Courses :- (Total = 185)

Sr. No.	Title of MOOC Courses	Student Beneficiaries
01	NPTEL	109
02	COURSERA	76

### > List of Departmental Laboratory

Sr. No.	Laboratory Title	Laboratory In-charge
01	STRUCTURAL DYNAMICS LAB	Dr. M V Waghmare
02	GEOTECHNICAL ENGINEERING LAB	Dr. R D Nalwade
03	SURVEYING LAB	Mr. P R Modak
04	TRANSPORTATION ENGINEERING LAB	Mrs. K N Kulkarni
05	TESTING OF MATERIAL LAB	Mrs. M S Chiwande
06	ENVIRONMENTAL ENGINEERING LAB	Dr. D V Wadkar
07	UG COMPUTER LAB	Mrs. S A Chavan
08	PG COMPUTER LAB	Dr. V N Patil
09	FLUID MECHANICS LAB	Dr. V S Chavhan

### Departmental Highlights

- Offered Honor Course named as Metro Construction, Architectural & Town Planning affiliated with SPPU Pune.
- **Highly Qualified Doctorate Faculty** as well as appointed as University Level committees
- One Faculty One Industry Forum enhance Student-Industry Interactions
- Provisions for **internship** through Industry Institute Interaction
- Strong link with construction industry and professional bodies through MOUs
- Motivation for **sports** and **cultural** activities through "**ASHWAMEDH**" and "**SHIVANJALI**"
- Motivation for participation in **technical events** through "Engineering Today"
- Imbibe social responsibility through various activities under NSS scheme
- Fulfilling technical and industry requirements through **Alumni Interaction**
- Expert talks for **Competitive exams** like GATE, IES and MPSC
- Mentoring facility and Make up lectures for absent students
- Encouragement for technical development through NPTEL/MOOC/Coursera online courses

### > Technical Infrastructure

- 1. ICT based Classrooms
- 2. Well-equipped Laboratories
- 3. Well maintained drawing hall

- 4. Seminar Hall with Smart Board
- 5. Research Lab
- 6. Departmental Library

### > Activities Conducted for Students

- Industrial Visit
- Guest Lectures by industry personnel.
- Industrial training
- Paper Presentation
- Poster Competition
- Model Making Competition
- Debate
- Group discussion
- Project Competition

### > Students Achievements

✓ Mr. Gaurav Dudhe won Gold medal in Overall ANVESHAN 2020-21, representing SPPU & Maharashtra in National Level Innovation Competition ANVESHAN 2020-21. Gold Medal and Rs. 75,000/- was received by SPPU, Pune.



✓ Mr Pranav Gurav is India's Overall 5th Fastest runner in 100 m with time 10.39 sec & Gold Medalist in Mini Olympics 2023 – Maharashtra State Olympic Games



✓ Khushali Ekbote is an affiliated member of ASCE American Society of Civil Engineers.













### QUANTEMGIS TEAM (CIVIL + COMPUTER) Ministry of Education Innovation Cell and AICTE organized SIH 2022.





- विद्यार्थ्यांनी व्हीलचेअरला ऑटोमॅटिक मोटार लावली
- वेगवेगळ्या सेन्सरचा अभ्यास आणि पाहणी केली
- जिभेच्या हालचाली टिपण्यासाठी आवश्यक तो सेन्सर बसविला
- त्यासाठी आधुनिक 'हेड सेट' विकसित केला
- 'हेड सेट'द्वारे जीभ, गालांच्या हालचालीवरून व्हीलचेअरची हालचाल
- आता ऑटोमॅटिक मोटार आणि संबंधित सेन्सरची जुळवणीचे काम पूर्ण



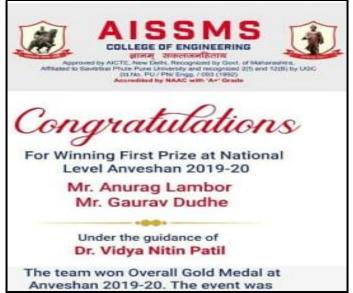


स्पर्धेत सहभागी विद्यार्थी: क्वांटम गट: तेजस बंग, रितिक शिंदे, तेजस भाटे, प्रज्वल गायधनी, ऋत्विक जगताप, इशानी भोंगले ऑडॅक्स गट: दीपाली दळवी. प्राची क्षीरसागर, शिरीष नंदकर, नीरज साबळे, सुयश चव्हाण, ऋत्विक काकड



**SMART INDIA HACKATHON 2022** 





## 'एआयएसएसएमएस' अभियांत्रिकीचे विद्यार्थी 'अन्वेषण' स्पर्धेत अव्वल

प्रभात वृत्तसेवा

पुणे, दि. ४ - ऑल इंडिया श्री शिवाजी मेमोरियल सोसायटीच्या (एआयएसएसएमएस) अभियांत्रिकी महाविद्यालयाने 'अन्वेषण २०२०' या आंतर विद्यापीठ स्पर्धेत पश्चिम विभागातून प्रथम क्रमांक पटकावला.

महाविद्यालयाच्या संपूर्ण टीमला सुरुवातीपासून प्राचार्य डॉ. डी. एस. बोरमणे यांचे मार्गदर्शन लाभले. संस्थेचे सचिव मार्गाजीगराजे छत्रपती, सहसचिव सुरेश शिंदे, खजिनदार अजय पाटील यांनी विजेत्या विद्यार्थांचे कौतुक केले. विद्यार्थ्यांना डॉ. विद्या पाटील यांचे मागदर्शन लाभले. मुंबई विद्यापीठात



झालेल्या या स्पर्धेत देशातील पश्चिम विभागातील गुजरात, राजस्थान, महाराष्ट्र आणि गोवा राज्यांतील अनेक विद्यापीठांतील पदवी, पदव्युतर आणि गीएचडी अभ्यासक्रम करणाऱ्या विद्याथ्याँनी यात सहभाग नोंदवला. सावित्रीबाई फुले पुणे विद्यापीठाच्या वतीने या महाविद्यालयातील विद्यार्थी स्पर्धे त सहभागी झाले होते. आता हे विजयी विद्यार्थी राष्ट्रीय पातळीवरील अन्वेषण स्पर्धेत पश्चिम विभागाचे प्रतिनिधित्व करतील. ही स्पर्धा भोपाळ येथे १७ ते १९ मार्चच्या दरम्यान होणार आहे.

या स्पर्धेची सुरुवात सावित्रीबाई फुले पुणे विद्यापीठाच्या वतीने घेण्यात येणाऱ्या अविष्कार २०१९-२० मध्न होते. अविष्कार ही स्पर्धा विद्याध्यांच्या अंगभूत कौशल्याला वाव मिळविण्यासाठी

तसेच त्यांचातील संशोधक वृत्तीला वाढीला लावण्यासाठी घेण्यात येते. अनुराग लांबोर, ओमकार दहिवाल. गिरीश जाधव आणि गौरव दुबे या महाविद्यालयातील विद्यार्थ्यांनी यश मिळवीत पुढच्या फेरीत प्रवेश केला. मुंबई विद्यापीठात जानेवारीमध्ये स्पर्धा झाली. त्यात या महाविद्यालयाच्या विद्यार्थ्यांनी क्रमांक पटकावला पहिला विद्यार्थ्यांच्या महाविद्यालयाच्या नाविन्यपूर्ण संशोधनाच्या 'ॲटोमेटेड रेल्वे क्रॉसिंग विथ ॲटो टेन स्पीड ॲन्ड लाइव्ह ट्रॅकिंग टेक्नॉलॉजी' या प्रोजेक्टला प्रथम क्रमांक मिळाला. नेहरू सायन्स सेंटर आणि नाशणाल सेंटर फॉर सायन्स काम्युनिकेटर यांच्या वतीने पारितोषिक दिले.

### **ANVESHAN Price on SPPU Foundation day Program**









**Glimpses of Parents Meet2022-23** 



Winner in SPPU Innovation Contest 2020-21



**Startup Finalist Team on SPPU Stage: i-2-e** (Innovation to Entrepreneurship Contest 2021-22)

















**Instructional Methods & Pedagogical Initiatives** 

### **Glimpses of Curricular Activities**





Dr. D. S. Bormane, Principal with Dr. P. B. Nangare, Head felicitates Speaker Dr. Durga Prasanna Mohanty on occasion of Engineers Day Celebration 2022 & Expert Talk on "Structural Geology for Civil Engineers" dated 15.09.2022 under IWWA Student Chapter





Dr. D. S. Bormane, Principal with Dr. P. B. Nangare, Head felicitates Speaker Dr. Dinkar More, Director General - Water Resources Department, Government of Maharashtra under Mr. S D Mande Memorial Lecture Series & Expert Talk on "Water and Urbanization" dated 12.12.2022 under IWWA Student Chapter





Shri. S. P. Shinde, Joint Secretary, AISSM society delivering speech in SPPU sponsored Two days National level workshop on "Implementation of NEP 2020 Alumni Connect" organized on 23.02.2023 and 24.02.2023.





Dr. P. B. Nangare, Head felicitates Speakers Er. Rohit Koul, Er. Aniket Nampalliwar for expert talk on "Digitalization in Construction" followed with Interaction with Students and Faculties dated 16.03.23 under Training & Placement Cell





Dr. P. B. Nangare, Head felicitates Speakers Er. Rajendrakumar Saraf for expert talk on "Solar energy and sustainable goals" followed Interaction with Students and Faculties dated 22.09.22 under IEI Student Chapter





Dr. P. B. Nangare, Head felicitates Speaker Er. Anil Attavar for expert talk on "Life and Times of civil Engineers" followed Interaction with Students and Faculties dated 30.01.23 under IEI Student Chapter





Department of Civil Engineering successfully organized seminar on "Geotechnical and Foundation Challenges for Infrastructural Projects" dated on 03.09.2022





Glimpses with Winning Team of Quiz on Structural Analysis under IEI Students' Chapter of AISSMS College of Engineering, Pune on 07.08.2022



Dr. V. N. Patil delivered a Seminar on "Intellectual Property Rights" dated on 09.12.2022 under IGS Student Chapter.



Department of Civil Engineering successfully organized seminar on "Stress Management by Yoga" dated on 09.11.2022.

### > Co-curricular Highlights -

Every faculty member, whether consciously or unconsciously, employs new techniques to improve every student's teaching-learning experience and help them understand the concepts throughout the year. The following is a list of some of the department faculty's notable initiatives.

### 1. Student Chapter activities:

The Professional student chapters, which provide a good platform for students to participate actively in the various competitions and lectures. Student chapter activities include guest lectures, quiz competitions, debate competition, soft skill lectures, and celebrations of Teachers day, Engineers day, Guru Pournima etc.





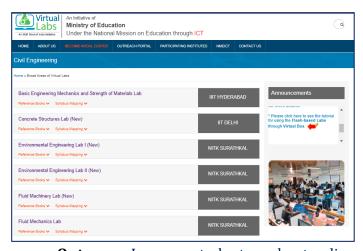


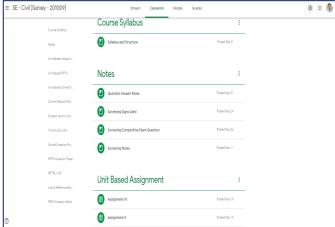
Glimpses of Celebration of Student Chapter Event - Guru Pournima

Outcome: Enrich students learning skills like communication, presentation, leadership etc.

### 2. Virtual labs/Google Classrooms/MS teams:

The part of an excellent innovative initiative spear headed by India's Ministry of Human Resource Development. During the pandemic, staff and students effectively used virtual labs to conduct practical classes. During the pandemic period, staff members and students have effectively utilized Google classrooms and Microsoft Teams for conduction of theory and practical classes, sharing of learning material and assignments submission.





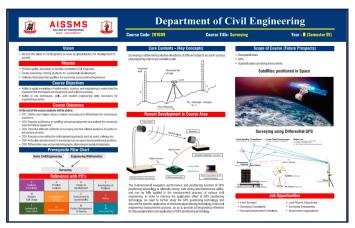
Outcome: Improve students understanding and learning

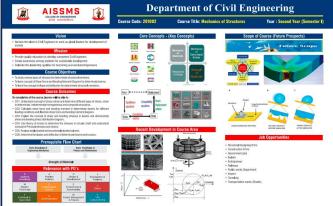
### 3. Working models/Knowledge wall:





Glimpses of model of roller bucket energy dissipater in fluid mechanics lab





### **Glimpses of Knowledge Wall**

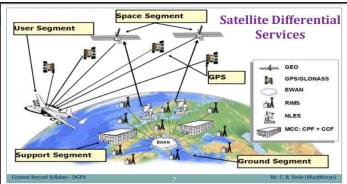
Faculty members use models to increase students' interest and level of learning. The main goal of this is to engage students in an active learning environment. Every professor has created a knowledge wall for their subject. The knowledge wall was put in various locations throughout the department to increase student learning interest.

Outcome: Subject knowledge enhancement

### 4. Use of Animations/PPT/CASE studies:

In order to boost students' interest and level of learning, professors in certain subjects use animations, PPT and CASE studies. The major objective is to spark students' attention and strengthen their knowledge.

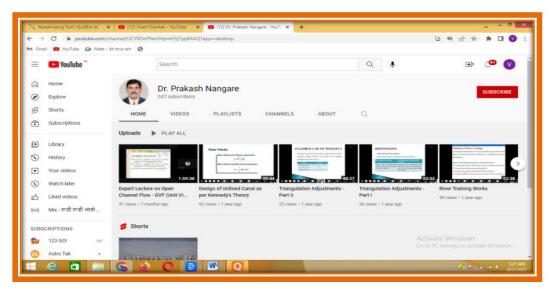




**Outcome:** Students can gain a better understanding of the concepts.

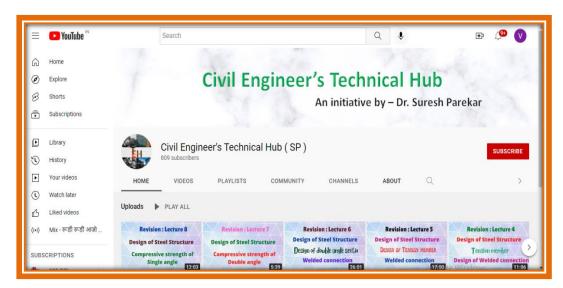
### 5. E content on YouTube:

Some Faculty members have also created their own YouTube channels where they post study materials for their specific subjects. The links are distributed to the students, and the content is available to all.



Snap of YouTube channel of Dr P B Nangare

(https://www.voutube.com/channel/UCY8DnPNxrSVpmH5jTypBAAQ)



Snap of YouTube channel of Dr S R Parekar

(https://youtube.com/c/EngineersTechnicalHubSP)

**Outcome:** It contributes to students' knowledge and opportunity for self-study.

### 6. Project Based Learning:

PBL is a student-centered pedagogy that employs a dynamic classroom approach in which students are believed to gain a deeper understanding through active exploration of real-world challenges and problems. Students gain knowledge about a subject by investigating and responding to a complex question, challenge, or problem over time. It is an inquiry-based and active learning style.

**Outcome:** Students can complete projects and develop expertise of creative methods.

### 7. Students Symposium:

In September or October of each year, the department hosts Engineering Today (CIVISPARK), an annual national level student symposium, to encourage students to organize and participate in various events to improve their skills. This is platform where events like paper presentations, poster presentations, quiz competitions etc. are organized.







### **Glimpses of Engineering Today (CIVISPARK)**

Engineering Today is a technical event hosted by the AISSMS College of Engineering that began in 2006. The primary goal of Engineering Today is to work to improve students' technical knowledge while also providing them with exposure to the technical world through participation in various technical events. The Department of Civil Engineering hosts Engineering Today as CIVISPARK each year, with a different theme.

**Outcome:** Improving skills so that they can participate in more events.

### 8. Cutting-edge initiative:

Today's education system is rapidly evolving in order to introduce new teaching techniques & strategies that promote a culture of diversity & inclusion. Similarly, each teacher has a distinct teaching style. Department have few Cutting-edge initiative as given below use modern technology.

- AVISHKAR
- HACKATHON
- IDEATHON

- National Innovation context
- Startup & Innovation cell
- UNNAT BHARAT ABHIYAN cell

**Outcome:** Using Cutting-edge initiative, students' problem-solving and innovative thinking abilities are improved, and their perspectives on emerging technologies and tools in academics, contemporary and social issues are broadened.

### On Social Media –

Twitter <a href="https://twitter.com/aissms coe?s=21&t=p]">https://twitter.com/aissms coe?s=21&t=p]</a> wSoXUvatGTaKy0KNXLw

Face book https://m.facebook.com/aissmscoepune/#!/aissmscoepune/? se imp=08nGuDI

5ip50wMvB5

LinkedIn <a href="https://www.linkedin.com/company/aissms-coe/">https://www.linkedin.com/company/aissms-coe/</a>

Instagram <a href="https://instagram.com/aissms">https://instagram.com/aissms</a> coe?r=nametag

YouTube <a href="https://youtube.com/channel/UC8Xe84yEHDZSj1JHa7YlLeQ">https://youtube.com/channel/UC8Xe84yEHDZSj1JHa7YlLeQ</a>

### Distinguished Alumni -

https://aissmscoe.com/civil-engineering/alumni/distinguished-alumni/