



## Department of First Year Engineering

### Faculty Profile

#### Prof.(Dr) Shalaka Virkar

PhD (Physics )

Assistnat Professor

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🔗 <https://scholar.google.co.in/citations?user=8nTGMEgAAAAJ&hl=en>

🔗 <https://www.linkedin.com/in/xxxx-xxxxxx-93b335b5/>



#### ResearchAreas/ Areas of Interest

Gas Sensors, Polymers & Actuators, Synthesis of nanoparticles & their Characterization

#### Personal Details

**Date of Birth :**

**Domicile:** Maharashtra

**Gender :** Female

**Blood Group:** O+ve

**Contact Details:** Vishal nagar, Pimple Nilakh, Pune 411 027

## Academic Background

S. NO.	Qualification	Specialization	University	Class/Grade	Year of Passing
1	Ph.D.	Physics	University of Pune	--	Dec 2008
2	M.Sc	Nuclear Physics	University of Mumbai	I <sup>st</sup>	May 2002
3	B.Sc.	Physics	University of Mumbai	I <sup>st</sup>	May 1999

## Work Experience

S. No.	Type of Experience	Years	Months
1	Teaching	8	
2	Research	9	
3	Industry	-	-
4.	Others	--	--
<b>Total</b>		<b>17</b>	

## Subjects/Courses Taught

S. No.	Subject	UG/PG	Class (FE/SE/TE/BE/ME)	No of times Subject Taught
1	Engineering Physics /Applied Science	UG	FY	16

## Research Publications

	National	International	State	SCI/Scopus Indexed	UGC Approved
<b>Journals</b>	-	18	-	03	
<b>Conferences</b>	-	03	-	03	--

### Contribution as Resource Person

S. No.	Place/ Organization	Topic	Level(National/Int/ State/Regional)	Date
1.	AISSMS CoE, Pune	Achieving Make-in-India Through Manufacturing Advancement	National	20/1/2017
2.	ABMSP's APCoe, Pune	NCTR 2017	National	16/2/2017
3.	AISSMS CoE	Literacy	Induction Program for First Year Engineering	14/08/2019

### Details of Workshop/STTP/FDP/Conferences Attended

S. No	Title	Type	Duration	Level (State/National/ International)	Sponsoring Agency
01	Mathematical modeling using Scilab		2 days	State	SPPU
02.	Innovative Methods of Teaching		1 day	State	ICFAI Business School
03.	Sensitization & Technological Empowerment of		1 day	National	The National Academy of

	<b>Women</b>				<b>Sciences</b>
<b>04.</b>	<b>Project based Learning</b>		<b>1/2 day</b>	<b>State</b>	<b>Department of First Year Engineering</b>
<b>05.</b>	<b>Effective Teaching</b>		<b>1 week</b>	<b>National</b>	<b>NITTR, Kolkata</b>
<b>06.</b>	<b>Faculty Development Program</b>		<b>3 days</b>	<b>College</b>	<b>AISSMS CoE</b>
<b>07.</b>	<b>Vision-Mission-PEO-PSO-PO-CO: Framing, Mapping, Assessment &amp; Attainment</b>		<b>1 week</b>	<b>College</b>	<b>AISSMS CoE</b>
<b>08.</b>	<b>Experimental Physics for undergraduate Teachers</b>		<b>3 days</b>	<b>IISER, Pune</b>	<b>MHRD, Govt. of India</b>
<b>09.</b>	<b>STEM Teacher Training Workshop on Research based Pedagogical tools</b>		<b>1 week</b>	<b>IISER, Pune</b>	<b>Newton-Bhabha fund</b>
<b>10.</b>	<b>Effective Use of ICT Tools in Online Teaching</b>		<b>2 weeks</b>	<b>National</b>	<b>IQAC of MIT, Aurangabad</b>
<b>11.</b>	<b>Faculty Awareness Programme on Outcome Based</b>			<b>National</b>	

12.	<b>Education</b> <b>Learning Moodle via Moodle: An Outcome based Approach</b>		<b>1 day</b>  <b>2 weeks</b>	<b>National</b>	<b>SIT, Narhe</b>  <b>Agnihotri Institute of Pharmacy, Wardha</b>
13.	<b>LaTeX Training</b>		<b>Spoken Tutorial with online Exam</b>	<b>National</b>	<b>National Mission on Education through ICT, MHRD, Govt. of India</b>
14.	<b>Materials for Energy</b>		<b>1 day</b>	<b>National</b>	<b>YC CoS, Karad</b>

### Major Professional Responsibilities Handled

<b>S. No.</b>	<b>Role and Responsibilities</b>
<b>01.</b>	<b>Anchoring at Various Events at Institute level</b>
<b>02.</b>	<b>Organised &amp; Coordinated A Faculty Development Program</b>
<b>03.</b>	<b>Designed an experiment based on new syllabus on Sound Measurement</b>
<b>04.</b>	<b>Coordinated for Facilitation Centre (3 years)</b>
<b>05.</b>	<b>Organising Committee of Cultural Program (Shivanjali)</b>
<b>06.</b>	<b>Panel member for Students Activities in Cultural Events</b>
<b>07.</b>	<b>Feedback analysis for faculty</b>
<b>08.</b>	<b>Coordinated Mentoring of First Year Students</b>
<b>09.</b>	<b>Guardian Faculty Member &amp; Mentor</b>
<b>10.</b>	<b>Invigilation &amp; Examination of University Exams &amp; Papers</b>

**Declaration:** I hereby declare that all the statement made above are correct to the best of my knowledge and belief.

**Dr Shalaka Virkar**

(Name with Signature)