

**All India Shri Shivaji Memorial Society's
INSTITUTE OF INFORMATION TECHNOLOGY
DEPARTMENT OF INSTRUMENTATION ENGINEERING
HALF YEARLY REPORT 2020-21**

1) Preamble

2) Infrastructure Development:

- **Up gradation of Laboratories:**

Sr. No.	Name of the Department	Amount (Rs.)
1	Instrumentation	16,05,000

3. Academic Excellence Achieved:

a) B.E. Examination results:

Sr. No.	Name of the Department	Result
1	B. E	100%
2	T. E	100%
3	S. E	100%

- **University Rankers 2020-21:**

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Sr. No.	Branch	Class	Name of the student	Exam No.	% of marks	Rank in university
1	Nil					

- **Campus Placement:**

- **List of companies visited campus:**

Sr.No	Name Of the Company	Engineering Branch/Stream	No. of Eligible students
1	BNY Mellon	Instrumentation Engineering	14
2	ATOS	Instrumentation Engineering	14
3	TCS NQT	Instrumentation Engineering	14
4	Cognizant	Instrumentation Engineering	14
5	Byjus	Instrumentation Engineering	14
6	Vernacular.ai	Instrumentation Engineering	14
7	Quest Ingenium	Instrumentation Engineering	28

8	L&T Infotech	Instrumentation Engineering	28
9	Paypal	Instrumentation Engineering	03
10	Cisco	Instrumentation Engineering	28
11	Google	Instrumentation Engineering	28
12	Walkover	Instrumentation Engineering	28
13	Laser & Toubro Infotech	Instrumentation Engineering	04
14	Hexaware Technologies limited	Instrumentation Engineering	14
15	Goldmansach	Instrumentation Engineering	14
16	Virtusa Consulting	Instrumentation Engineering	14
17	Qdnet Technology	Instrumentation Engineering	28
18	J P Morgan Chase	Instrumentation Engineering	14
19	Flextronics	Instrumentation Engineering	14
20	Square Yards	Instrumentation Engineering	14
21	NCR Corporation Ltd.	Instrumentation Engineering	14
22	Saama Technologies	Instrumentation Engineering	14
23	Evosys Mastek Ltd.	Instrumentation Engineering	14
24	X L Dynamics	Instrumentation Engineering	28
25	Unitelworks	Instrumentation Engineering	28
26	Tech Mahindra	Instrumentation Engineering	14
27	Johnson Control	Instrumentation Engineering	58
28	Rayka Engineering Solutions	Instrumentation Engineering	58
29	SAP	Instrumentation Engineering	58
30	Vanderland	Instrumentation Engineering	58
31	Moglix	Instrumentation Engineering	58
32	Fever FM	Instrumentation Engineering	58
33	Needing Intern	Instrumentation Engineering	58
34	TALKD PVT LTD	Instrumentation Engineering	58
35	Wakefit	Instrumentation Engineering	14
36	e-Zest Solutions Ltd.	Instrumentation Engineering	14
37	Siemens	Instrumentation Engineering	58
38	Enzigma Software Pvt. Ltd	Instrumentation Engineering	14
39	Mobigic Technologies Pvt . Ltd.	Instrumentation Engineering	14
40	SINTEG Technologies	Instrumentation Engineering	14

• **Students placed for academic year 2020-21:**

Sr.No	Name of the Students	Department	Name of Company	No. of Eligible students
1	Somnath Patil	Instrumentation Engineering	Future Automation Pvt. Ltd.,	58
2	Vishal Thengal	Instrumentation Engineering	FERRERO IND PVT LTD	58
3	Ojas Nikumbh	Instrumentation Engineering	Swaraj News	58
4	Akanksha Wattamwar	Instrumentation Engineering	Lucas TVS PVT LTD	58
5	Prajwal Zurunge	Instrumentation Engineering	Insights success media and techno pvt ltd	58
6	Sarvesh Patil	Instrumentation Engineering	Scope International	58
7	Abhishek Kadam	Instrumentation Engineering	Genius Polymer Industries	58
8	Rutvij Mahamuni	Instrumentation Engineering	Vanguard Engineers	58
9	Altamashali Qureshi	Instrumentation Engineering	Amazon	58
10	Siddharth Kasabe	Instrumentation Engineering	TALKD Pvt. Ltd.	58
11	SHREYA	Instrumentation Engineering	Square Yards	58

	GHOSALKAR			
12	Pranav Sunil Dalvi	Instrumentation Engineering	Square Yards	58
13	Aditya Baradkar	Instrumentation Engineering	Sap Engineers & Consultants	58
14	Vishal Jambagi	Instrumentation Engineering	Mrs. Preeti Raska Ryka Engineering Solutions	58

- **Activities Conducted: - (Entrepreneurship activities, Soft Skills, visits etc)**

Sr.No.	Name of the Company	Training Activities
1	Inker Robotics	Virtual Visit

- **Entrepreneurship Activities**

Sr.No	Name of the Company	Entrepreneurship Activities
1	iETP Manufacturing Pvt. Ltd. Pune	Webinar on “Journey Towards Entrepreneurship”
2	Skill To Hire, Hyderabad,Telangana	Workshop on “Introduction to Deep Learning”

- **Industrial Training**

Sr.No	Name of the Company	Name of the Students	Department
1	Texas Instruments	Shailendra Shivaji Kalyankar	Instrumentation Engineering
2	Texas Instruments	Pradnya Gautam Jadhav	Instrumentation Engineering

3	Automate Engineering	Mohammed Ismail Abdul Kadeer Hiroli	Instrumentation Engineering
4	Siemens	Roger Lokku	Instrumentation Engineering
5	Siemens	Niharika Sherkar	Instrumentation Engineering
6	Siemens	Amey Deshpande	Instrumentation Engineering
7	Siemens	Kedar Bhame	Instrumentation Engineering
8	Siemens	Neha Phadtare	Instrumentation Engineering
9	Siemens	Sujit Jadhav	Instrumentation Engineering
10	Siemens	Sharang Yadav	Instrumentation Engineering
11	Texas Instruments	Amey Mahendra Deshpande	Instrumentation Engineering

• **Industry Associated BE Projects**

Sr.No	Name of the Company	Department	Student Name
1	Forbes Marshall Pvt Ltd, Pimpri, Pune	Instrumentation Engineering	Aditya Bharadkar Divya Yadav Pranav Dalvi Pranav Pawar Suyog Patil

2	AUTOMATE Engineering Pune	Instrumentation Engineering	Ojas Nikumbh Pratiksha Patil Akansha Wattamwar
3	Shree Pneumatics Pune	Instrumentation Engineering	Vipul Khedekar Akshay Magar Snehal Tekwade

vi) Training and Placement Activities at department level

Sr No.	BRANCH	ACTIVITY	DATE
1	Instrumentation Engineering	Mock Interview	21/09/2020, 24/09/2020, 25/09/2020, 28/09/2020, 30/09/2020

4. Staff Contribution towards quality improvement:

a) Grants received for Seminar/Conferences:

Sr. No	Year of Event	Name of Department	Grant	Sponsored by	Topic	Grant Sanction date
1	Nil					

b) Research Grants received:

Sr. No.	Branch	Name of the Investigator(s)	Title of the Research Project/Scheme	Name of the funding Agency	Duration of the project/scheme	Amount Sanctioned (Rs.)	Major / Minor	Grant Sanction date
1	Instrumentation	Dr.D.R.Shende S.V.Kulkarni	MODROB	AICTE MODROB scheme	2 year	12 lakhs	Major	23/01/2020

c) Memorandum of Understanding:

Sr. No.	Department	Industry	Resource persons	Area of Interaction	Activities conducted
1	Instrumentation Engineering	Emersion india Pvt.Ltd	Mr.Abhay Bansod	DCS DeltaV	Project of 6 final year students.

- Journal Publication:**
Paper publication in /National/International Seminars/Conferences:

Note: -Please write down complete journal name

Branch	Name of the Teacher/author	Title of the paper	Name of the Journal/ Proceeding/ Edited Books	Volume & pages	Year of Publication	ISBN/ISSN No.	Impact Factor	URL	Citation	h-index
Instrumentation Engineering	Dr. A. A. Shinde	New flexible directional filter bank by tuning Hermite transform parameters for content based medical image retrieval	IET Image Processing	Vol. 14, No.11, 2403 – 2416	2020	1751-9659	2.61	https://digital-library.theiet.org/content/journal/s/10.1049/iet-ipr.2019.0252	-	4
Instrumentation Engineering	Dr. A. A. Shinde	Review on Traffic Congestion Detection using Image Processing	Journal of Science and Technology	Vol. 6, No.2, 109-113	2021	2456-5660	3.015	http://jst.org.in/wp-content/uploads/2021/03/13.-Review-on-Traffic-Congestion-Detection-using-Image-Processing.pdf	-	4
Instrumentation Engineering	Dr. B.N. Mohapatra	Vision Sensing Ultrasonic Glove for Visually Impaired Person*	International Journal of Engineering and Information Systems	Vol. 4 Issue 6, 64-67	2020	2643-640X	3.8	http://ijeais.org/wp-content/uploads/2020/6/IJEAIS200610.pdf	-	-
Instrumentation Engineering	Dr. B.N. Mohapatra	Arduino Based Smart Dustbin for Waste Management system	Perspectives in Communication, Embedded Systems and Signal-Processing	Vol. 4 Issue 3, 8-11	2020	2566-932X		http://pices-journal.com/ojs/index.php/pices/article/view/214/177	-	-

Instrum entatio n Engine ering	Dr. B.N. Mohapatra	Design performance of lead and lag compensator using OPAMP and root locus approach through simulation tool	ITEGAM- JETIA	Vol 6 issue 24, 58-62	2020	2447-0228		http://itegam-jetia.org/journal/index.php/jetia/article/view/683	-	-
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	EASY PERFORMA NCE BASED LEARNING OF ARDUINO AND SENSORS THROUGH TINKERCAD	Internation al Journal of Open Informatio n Technolog ies	Vol 8 No 10, 73-76	2020	ISSN: 2307- 8162		http://injoit.org/index.php/j1/article/view/977/968	-	-
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	IOT and Sensor based Vehicle Diagnosis System for Improved Road Safety	Internation al Journal of Research in Engineerin g, Science and Managem ent	Vol3 issue 7, 181-183	2020	ISSN 25815792	4.30 8	https://www.journals.resaim.com/ijresm/article/view/49/44	-	-
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	Design and tuning of PID algorithm for optimum performance of PVTOL system	Journal of Engineerin g and Technolog y for Industrial Applicatio ns	Vol 6 issue 25, 37-42	2020	2447-0228		https://itegam-jetia.org/journal/index.php/jetia/article/view/701/459	-	-
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	Smart Performance of Virtual Simulation Experiments Through Arduino Tinkercad Circuits	Perspectiv es in Communi cation, Embedded -Systems and Signal- Processing	Vol. 4 Issue 7, 157-160	2020	2566-932X		http://pices-journal.com/ojs/index.php/pices/article/view/275/233	-	-

Instrum entatio n Engine ering	Dr. B.N. Mohapatra	MODELING OF VERTICAL LIGHT PIPES FOR DAYLIGHT ILLUMINAT ION OF INDOOR INDUSTRIA L BUILDINGS	Scientific and Technical Journal of Informatio n Technolog ies, Mechanics and Optics	Vol. 20 Issue 6, 871-876	2020	ISSN 2226- 1494		https://ntv.fmo.ru/file/article/20012.pdf	-	-
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	SIMULATIO N DESIGN PERFORMA NCE FOR POWER SUPPLY AND A VARIABLE VOLTAGE TO FREQUENC Y CONVERTE R	Journal of Engineerin g Science	Vol. XXVII, no. 4 (2020), pp. 76 - 79	2020	ISSN 2587- 3474		https://jes.utm.md/wp-content/uploads/sites/20/2020/12/JES-2020-4_76-79.pdf		
Instrum entatio n Engine ering	Dr. B.N. Mohapatra	STABILITY ANALYSIS THROUGH P, PI AND PID CONTROLL ERS	Applied Researches in Technics, Technolog ies and Education	artte-vol- 8-no-3-4 (2021) PP. 217- 222	2021	ISSN 1314- 8796		https://sites.google.com/a/trakia-uni.bg/artte/articles/artte-vol-8-no-3-4		
Instrum entatio n Engine ering	Mrs.S.V.Ku lkarni	Revealing of Brain Disease Neuroimage using Morphologica l Processing	Internation al Journal of Advanced Science and Technolog y	Vol. 29, No. 04, (2020),72 30 –7236	2020	2005-4238		http://sersc.org/journals/index.php/IJAST/article/view/28130	-	-
Instrum entatio n Engine ering	Mrs.S.V.Ku lkarni	ARC SERIES RAIN GAUGE CALIBRATO R: A Review	Journal of Emerging Technolog ies and Innovative Research	Volume 7, Issue 12,20-23	2020	2349-5162	5.87	http://www.jetir.org/papers/JETIR2012203.pdf		

Instrum entatio n Engine ering	Mrs.S.V.Ku lkarni	Smart Residential Complex	Internation al Journal of Managem ent, Technolog y and Engineerin g	Volume 10, Issue 12,192- 196	2020	249-7455	6.3	https://app. box.com/s/ iyd19sq9o x4yqcukv3 1latwyq7y 069s5		
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- **Conference Paper Publication**
Paper publication in /National/International Seminars/Conferences:

Branch	Name of the Teacher/author	Title of the paper	Name of the Journal/ Proceeding/ Edited Books	Year of Publication
Instrum entation	Mr.S.S.Ja gtap	Machine Learning based malaria prediction using clinical findings	ESCI 2021	2021

- **Book Publication**

Branch	Name of the Teacher/author	Title of the paper	Name of the Journal/ Proceeding/ Edited Books	Volume & pages	Year of Publication	ISBN/ISSN No.
Instrum entation Enginee ring	Dr. B.N. Mohapatra	Process Control MCQS	KDP Amazon		2020	ASIN:BO8 L434X1Z
Instrum entation Enginee ring	Dr. B.N. Mohapatra	Sensors and Transducers MCQS	KDP Amazon		2020	ASIN:BO8 K14QWHL

- **Resource persons:**

Sr. No	Staff Name	Date & Place	Details
1	Nil		

• Seminar/Workshops/Conference organized

Sr. No	Department	Topic	Conducted by	Date	Funded by
1	Instrumentation	Dialysis Machine	Online Platform MOODLE by Dr.D.R.Shende and Mrs.S.V.Kulkarni	7/9/2020	--
2	Instrumentation	<u>Faculty Development Program (FDP) on "Introduction to DeltaV DCS"</u>	Mr. Shashikant R. Kale	14/12/2020 to 15/12/2020	---
3	Instrumentation	AI Master Class using Python Series	Pantech solutions Chennai	16/2/2021 TO 17/3/2021	--
4	Instrumentation	<u>one-week hands-on workshop on "DeltaV Distributed Control System (DCS)"</u>	Mr. Shashikant R. Kale	08/02/2021 to 12/02/2021	--
5	Instrumentation	<u>AMCAT Session</u>	Mr. Ankur Shrivastav and Ms. D. L. Rathod	8/ 02/ 2021	--
6	Instrumentation	<u>Introduction to LabVIEW</u>	Ms. D. L. Rathod	17/03/2021	--
7	Instrumentation	<u>Virtual visit</u>	Inker Robotics Team and Ms. D. L. Rathod, Mr. Shashikant R. Kale	25/02/2021	--
8	Instrumentation	<u>Interview Preparation</u>	Ms. D. L. Rathod	05/05/2021	--

• List of Faculty Members who attended Course / Seminars / Workshops/STTP etc.

Sr. No.	Branch	Name of Staff	Event	Organized by	Date and Event
1	Instrumentation Engineering	Mrs.S.C.Mulay	Research Methodology: Data Collection Methods, Research Tools and Techniques	R & D Cell,AISSMS IOIT,Pune-ISTE	9/6/20 -15/6/20
2	Instrumentation Engineering	Mrs.S.C.Mulay	Artificial Intelligence using Python	E & TC Dept., AISSMS - IOIT	14/9/20-19/9/20
3	Instrumentation Engineering	Mr. H. P. Chaudhari	Technologies Shaping Future Automation	Electronics and Instrumentation Engineering Department, Kamaraguru college of Technology, Coimbatore, Tamil Nadu, India	15/06/2020 to 19/06/2020

4	Instrumentation Engineering	Mr.S.S.Jagtap	Computational Intelligence for Cyber Security	E & TC Dept., AISSMS - IOIT in association with Lexicode Education and IETE Pune	26/10/2020 to 2/11/2020
5	Instrumentation Engineering	Mrs.S.V.Kulkarni	Research Methodology: Data Collection Methods, Research Tools and Techniques	R & D Cell,AISSMS IOIT,Pune-ISTE	9/6/20 -15/6/20
6	Instrumentation Engineering	Mrs.S.V.Kulkarni	Deep Learning and Artificial Intelligence	AICTE Training and Learning Academic (ATAL)-Indira Gandhi Delhi Technical University for Women,New Delhi	21/09/2020 - 25/09/2020
7	Instrumentation Engineering	Mrs.S.V.Kulkarni	Advances in Biomedical Signal Processing with Hands on	MKSSS Cummins College of Engineering for Women,Pune	7/9/2020 - 12/09/2020
8	Instrumentation Engineering	Mrs.S.V.Kulkarni	Online Teaching Learning and Research Methodology	Government P.G.College ,Bilaspur Rampur Uttar Pradesh(In Association with RUSA and IQAC)	18/7/2020- 29/7/2020
9	Instrumentation Engineering	Mrs.S.V.Kulkarni	Online Teaching & E-content	IIDE, Mumbai	3/6/2020- 4/6/2020
10	Instrumentation Engineering	Mrs.S.V.Kulkarni	Signal Analysis Machine Learning and its application using Python and MATLAB	Ramrao Adik Institute of Technology, Navi Mumbai	1/6/2020- 5/6/2020
11	Instrumentation Engineering	Mrs.S.V.Kulkarni	Image Processing and Data Science with MATLAB (IP & DSWM 2020) TEQIP-III	Government College of Engineering, Aurangabad	7/7/2020- 11/7/2020
12	Instrumentation Engineering	Mrs.S.V.Kulkarni	Awareness on National Education Policy 2020	AISSMS IOIT,Pune	28/8/2020
13	Instrumentation Engineering	Mrs.S.V.Kulkarni	Medical Oxygen Concentrator	ADHIYAMAAN College of Engineering Hosur	14/6/2020
14	Instrumentation Engineering	Mrs.S.V.Kulkarni	Virtual Labs Outreach Workshop	PVG College of Engineerin,Pune	27/6/2020

15	Instrumentation Engineering	Mrs.S.V.Kulkarni	How to be an Aspiring Biomedical Engineer?	KALASALINGAM Academy of Research and Education, Virudhunagar, TN	17/6/2020
16	Instrumentation Engineering	Mrs.S.V.Kulkarni	Importance of Medical Equipment Testing & Calibration	KLE Dr.M.S.Sheshgiri College of Engineering and Technology, Belagavi	4/7/2020
17	Instrumentation Engineering	Mrs.S.V.Kulkarni	How to conduct Virtual Labs	AISSMS IOIT, Pune	24/6/2020
18	Instrumentation Engineering	Mrs.S.V.Kulkarni	How to write proposal for funding?	PANIMALAR INSTITUTE OF TECHNOLOGY, Chennai-TN	15/7/2020
19	Instrumentation Engineering	Mrs.S.V.Kulkarni	Artificial Intelligence in Medical Fields: Research and Job Opportunities	AISSMS IOIT, PUNE	2/7/2020
20	Instrumentation Engineering	Mrs.S.V.Kulkarni	Preparation of quality journal papers and book chapters	Aditya Institute of Technology and Management, Tekkali, AP	9/8/2020
21	Instrumentation Engineering	Mrs.S.V.Kulkarni	How to write and Publish paper in any web of science and scopus journal conference papers effectively and efficiently using TYPESET Research studio	Annasaheb Dange College of Engineering and Technology, Ashta Sangli	10/7/2020
22	Instrumentation Engineering	Mrs.S.V.Kulkarni	Technologies for healthcare	GMR Institute of Technology, RAJAM, AP	8/6/2020 - 10/6/2020
23	Instrumentation Engineering	Mrs.S.V.Kulkarni	Research Trends in Image Processing	GATES Institute of Technology, Gooty, AP	15/6/2020- 19/6/2020
24	Instrumentation Engineering	Mrs.S.V.Kulkarni	FDP AICTE Sponsored –Trends and challenges in medical image analysis through deep learning algorithm	Velagapudi Ramakrishna Siddhartha engineering college, Vijaywada	26/10/2020- 30/10/2020
25	Instrumentation Engineering	Mrs.S.V.Kulkarni	Implementation of Artificial Intelligence for Solving Digital Signal	Vidya Jyothi Institute of Technology (Autonomous),	16/11/2020- 28/11/2020.

			and Image Processing Problems	Hydrabad	
26	Instrumentation Engineering	Mrs.S.V.Kulkarni	AICTE Sponsored STTP-Academic Innovations in Industry 4.0	Vishwakarma Institute of Technology,Pune	2/11/2020-7/11/2020
27	Instrumentation Engineering	Mrs.S.V.Kulkarni	Artificial Intelligence and Its application in Biomedical Engineering	JSPM RSCOE,Pune	7/12/20 - 19/12/20
28	Instrumentation Engineering	Mrs.S.V.Kulkarni	One Week international FDP on "Technologies with social Relevance"	GMR Institute of Technology,Rajam,AP	27/7/2020-1/8/2020
29	Instrumentation Engineering	Mrs.S.V.Kulkarni	One-week FDP "Recent Advances in Biomedical Applications and communication Networks"	GMR Institute of Technology,Rajam,AP	13/7/2020-18/7/2020
30	Instrumentation Engineering	Mrs.S.V.Kulkarni	Online International FDP on "Technologies for Teaching Learning Pedagogy"	GMR Institute of Technology,Rajam,AP	6/8/2020-9/8/2020
31	Instrumentation Engineering	Mrs.S.V.Kulkarni	Workshop on "Introduction to IoT and Arduino "	ANURAG University in association with Skilltohire	10/8/2020-12/8/2020
32	Instrumentation Engineering	Mrs.S.V.Kulkarni	Webinar" Artificial Intelligence in Agriculture Present Applications and Impact	AISSMS IOIT PUNE	19/6/2020
33	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on the topic "APPLICATION OF AI & ML IN PROCESS INDUSTRIES"	The Department of Electronics & Instrumentation Engineering of Kumaraguru College of Technology, Coimbatore in association with International Society of Automation (ISA), Bangalore Section	15/06/2020
34	Instrumentation Engineering	Mrs. V.V.Kale	International SAGE TALK on "How to write a Research Paper"	Department of Computer Science and Engineering, Sagar Institute of Research & Technology, Bhopal	16/06/2020

35	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on “Artificial Intelligence in Agriculture – Present Applications and Impact”	Department of Electronics and Telecommunication, AISSMS IOIT, Pune in association with AIC-ADT Foundation, Baramati and supported by Innosapien Technologies Pvt. Ltd.	19/06/2020
36	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on “How to Conduct Virtual Labs”	E&TC department, AISSMS’s IOIT, conducted by Dr, S.D.Agashe, COEP.	24/06/20
37	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on “Medical oxygen Concentrator” conducted by	Mr. Ayyappadas M., TOP Biomed and organized by E&TC and Instrumentation Dept of AISSMS’s IOIT	27/06/20
38	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on “Mathematical Aspects of Wavelet Transform and its Application to Engineering”	Department of Electronics and Telecommunication Engineering & Department of Engineering Science on by VIT, Pune.	29/06/2020
39	Instrumentation Engineering	Mrs. V.V.Kale	Webinar on “Fundamentals of Two Channel PR Filter Bank Design”	Department of Electronics and Telecommunication Engineering in association with ISTE, Pune	07/08/2020
40	Instrumentation Engineering	Mrs. V.V.Kale	One day webinar on “Hydraulics, pneumatics and Mechatronics using Automation Studio Simulation software”	IndiaSoft Technologies (P) Ltd., Pune.	06/10/2020
41	Instrumentation Engineering	Mrs. V.V.Kale	Three days online workshop on virtual lab.	Department of Instrumentation and Control, College of Engineering (COEP)	25/11/2020 to 27/11 2020.

				and Cummins college of Engineering for women (CCOEW)	
42	Instrumentation Engineering	Mrs. V.V.Kale	Online STTP on Sensors, IoT and Machine learning	K J Somaiya College of Engineering, Mumbai.	01/06/2020 to 05/06/2020
43	Instrumentation Engineering	Mrs. V.V.Kale	One Week National Level Online Faculty Development Program on “Research Methodology: Data Collection Methods, Research Tools and Techniques”	AISSMS’s IOIT.	09/06/2020 to 15/06/2020
44	Instrumentation Engineering	Mrs. V.V.Kale	One Week online Faculty Development Programme on “MATHEMATICS: A Practical Approach in Science and Technology”	Department of Basic Science and Humanities, Deogiri Institute of Engineering and Management Studies, Aurangabad (Maharashtra).	28/06/2020 to 03/07/2020
45	Instrumentation Engineering	Mrs. V.V.Kale	One Week HANDS-ON Faculty Development Program on Artificial Intelligence using Python	Department of Electronics & Telecommunication Engineering, A.I.S.S.M.S. Institute of Information Technology, Pune Supported by I.E.T.E. Pune Section in association with Brainovision Solutions India Pvt.Ltd. & National Youth	14/09/2020 to 19/09/2020.
46	Instrumentation Engineering	Ms D. L. Rathod	AICTE Training and Learning (ATAL) Academy Online FDP on "Wearable Devices"	National Institute of Technology Jamshedpur	14/12/2020 to 18/12/2020.
47	Instrumentation Engineering	Ms D. L. Rathod	AICTE Funded Short Term Training Program (STTP) On “DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS”	BHIVARABAI SAWANT INSTITUTE OF TECHNOLOGY AND RESEARCH, WAGHOLI PUNE-	07/12/2020 to 12/12/2020.

				412207 (BSIOTR)	
48	Instrumentation Engineering	Dr. B.N. Mohapatra	Two-day FDP on Online teaching & E-content	IIDE indian institute of digital education	03/06/2020 to 04/06/2020
49	Instrumentation Engineering	Dr. B.N. Mohapatra	Participation in International Webinar on Recent trends in Wireless Communication	R C patil Institute of Technology, Shripur	7/06/2020
50	Instrumentation Engineering	Dr. B.N. Mohapatra	"New Normal" in education Pre and Post Covid	Thakur College of Engineering and Technology	16/06/2020
51	Instrumentation Engineering	Dr. B.N. Mohapatra	Effective utilization for research Publication through Digital Library	Thakur College of Engineering and Technology	18/06/2020
52	Instrumentation Engineering	Dr. B.N. Mohapatra	Validation of Digital Circuit	AISSMS IOIT	23/06/2020
53	Instrumentation Engineering	Dr. B.N. Mohapatra	How to conduct virtual lab	AISSMS IOIT	24/06/2020
54	Instrumentation Engineering	Dr. B.N. Mohapatra	How to improve teaching skills	MLR institute of Technology	24/06/2020
55	Instrumentation Engineering	Dr. B.N. Mohapatra	Handling Covid health challenges- dealing with emotions with corona crisis	Thakur College of Engineering and Technology	04/07/2020
56	Instrumentation Engineering	Dr. B.N. Mohapatra	Industry 4.0 and challenges, opportunities for future engineering	AISSMS IOIT	10/07/2020
57	Instrumentation Engineering	Dr. B.N. Mohapatra	Holistic Development from AICTE Perspective	Thakur College of Engineering and Technology	11/07/2020
58	Instrumentation Engineering	Dr. B.N. Mohapatra	Field Instrumentation in Chemical Industries	AISSMS IOIT	11/07/2020
59	Instrumentation Engineering	Dr. B.N. Mohapatra	Solid modelling in virtual environment	SND college of Engineering & Research Yeola	16/07/2020
60	Instrumentation Engineering	Dr. B.N. Mohapatra	Challenges and opportunities in the field of commerce, management, travel tourism and Technology	Gianjyoti Institute of Management and Technology	30/07/2020

61	Instrumentation Engineering	Dr. B.N. Mohapatra	AICTE sponsored one-week short term training Program Energy efficient techniques for 5G Wireless Communication	Pune Institute of Computer Technology	07/12/2020 to 12/12/2020
62	Instrumentation Engineering	Dr. B.N. Mohapatra	AICTE- ATAL FDP Control systems & Sensors Technology	COEP Pune	14/12/2020 to 18/12/2020
63	Instrumentation Engineering	Mrs.V.V.Kale	AICTE- ATAL FDP on Data Sciences	Central University of Punjab	14/12/2020 to 18/12/2020
64	Instrumentation Engineering	Mrs.S.V.Kulkarni	Introduction to the certified Peer Reviewer Course	Researcher Academy ELSEVIER	29/12/2020
65	Instrumentation Engineering	Mrs.S.V.Kulkarni	Ethics Responsibilities for Peer Reviewer	Researcher Academy ELSEVIER	29/12/2020
66	Instrumentation Engineering	Mrs.S.V.Kulkarni	Recognizing peer reviewers: A webinar to celebrate editors and researchers	Researcher Academy ELSEVIER	29/12/2020
67	Instrumentation Engineering	Mrs.S.V.Kulkarni	Theme 1 Introduction	Researcher Academy ELSEVIER	29/12/2020
68	Instrumentation Engineering	Mr. S. R. Kale	AICTE Training and Learning (ATAL) Academy Online FDP on "Internet of Things (IoT)"	Sri Sairam Engineering College.	30/11/2020 to 04/12/2020
69	Instrumentation Engineering	Mrs.S.V.Kulkarni	DBT, Ministry of Science & Technology, Government of India ,New Delhi- "Use of ICT in Teaching & Learning Program"	CHRIST COLLEGE, RAJKOT	31/12/2020
70	Instrumentation Engineering	Dr. D.R.Shende	Three-day workshop on, Introduction to deep learning	Skill to Hire, Telangana	21/8/20 to 23/8/2020
71	Instrumentation Engineering	Dr. D.R.Shende	Webinar on Outcome based education and accreditation	NBA	27/11/2020
72	Instrumentation Engineering	Dr. D.R.Shende	National conference on covid-19 pandemic,opportunities	Janata Mahavidyalaya, Chandrapur	18/7/2020
73	Instrumentation Engineering	Dr. D.R.Shende	IEEE Women in Engineering E-symposium	IEEE, WIE	20,21/11/2020

74	Instrumentation Engineering	Dr. D.R.Shende	ATAL training and Learning”Internet of things”	AICTE, ATAL academy	30/11/2020 to 4/12/2020
75	Instrumentation Engineering	Dr. D.R.Shende	Artificial Intelligence using Python	AISSMS, IOIT	14/9/202 to 19/9/2020
76	Instrumentation Engineering	Mrs.S.V.Kulkarni	NPTEL online certification on 'Introduction to Professional scientific communication"	Indian Institute Kanpur during	January to February 2021 (4 week course) with Silver Medal
77	Instrumentation Engineering	Mrs.S.V.Kulkarni	Faculty Development Program on 'Introduction to Professional scientific communication"	Indian Institute Kanpur during	January to February 2021 (4 week course) with Silver Medal
78	Instrumentation Engineering	Mrs.S.V.Kulkarni	AI Master class using Python	Pantech Prolabs India Pvt Ltd	16/2/2021 to 17/3/2021
79	Instrumentation Engineering	Mrs.S.V.Kulkarni	Generating Template for research paper and creation of citation using MS-Word	Department of Information Technology, Karamveer Bhaurao Patil college, Vashi	25/1/2021
80	Instrumentation Engineering	Mrs.S.V.Kulkarni	Joy of Mathematics using Python	SkillDisk Bangaluru	24/1/2021
81	Instrumentation Engineering	Mrs.S.V.Kulkarni	IPR and Patent Publication	School of Engineering and Technology * School of Architecture and planning SHARDA University	15/3/2021
82	Instrumentation Engineering	Mrs.S.V.Kulkarni	Implementation of national education policy 2020	IQAC AISSMS IOIT,Pune	15/3/2021
83	Instrumentation Engineering	Mrs.S.V.Kulkarni	Importance of Intellectual Property for Academicians/ Researchers	"Live two days JIT webinar series 3.0' Jagannath Institute of Technology, Chennai	30/3/2021,31/3/2021
84	Instrumentation Engineering	Mrs.S.V.Kulkarni	AI Powered solutions healthcare Innovations	KCG College of Technology, Chennai	27/1/2021 to 1/2/2021
85	Instrumentation Engineering	Mrs.S.V.Kulkarni	Applications of AR VR using MATLAB	IFET College of Engineering Chennai	1/2/2021 TO 16/2/2021

86	Instrumentation Engineering	Mrs.S.V.Kulkarni	Telemedicine	AICTE ATAL FDPG.PULLA REDDY COLLEGE OF ENGINEERING,	19/1/2021 to 23/1/2021
87	Instrumentation Engineering	Mrs.S.V.Kulkarni	Wearable Devices	Vignan Institute of Technology and Science.	4/1/2021 to 8/1/2021
88	Instrumentation Engineering	Mrs.S.V.Kulkarni	Big Data Analytics	"Live two days JIT webinar series 3.0' Jagannath Institute of Technology, Chennai	30/3/2021,31/3/2021
89	Instrumentation Engineering	Mrs.S.V.Kulkarni	Current Trends in Medical Image Processing	"Live two days JIT webinar series 3.0' Jagannath Institute of Technology, Chennai	30/3/2021,31/3/2021
90	Instrumentation Engineering	Mrs.S.V.Kulkarni	English is an Employability skill	IIHRD	10/4/2021
91	Instrumentation Engineering	Mrs.S.V.Kulkarni	International workshop on Data Science	MUSCAT COLLEGE Oman	1/4/2021
92	Instrumentation Engineering	Mrs.S.V.Kulkarni	Importance of Skill Development in Entrepreneurship & Employment.	"Live two days JIT webinar series 3.0' Jagannath Institute of Technology, Chennai	30/3/2021,31/3/2021
93	Instrumentation Engineering	Mrs.S.V.Kulkarni	Webinar on “IPR and PATENT Publication”	SHARDA University	15/3/2021
94	Instrumentation Engineering	Mrs.S.V.Kulkarni	Joy of Mathematics Using Python	SkillDisk Bengaluru	24/1/2021
95	Instrumentation Engineering	Mrs.S.V.Kulkarni	FDP on” Mendeley,LaTeX, Plagiarism “	Allana Institute of Management and Science Pune	10/4/2021
96	Instrumentation Engineering	Mrs.S.V.Kulkarni	Webinar on ,Patient Monitor Testing :Overview and MEQA	FLUKE (Biomedical)	6/5/2021
97	Instrumentation Engineering	Mrs.S.V.Kulkarni	Intellectual Property Rights (IPR)	Smt. Radhadevi Goenka College for Women, Akola	26/4/2021
98	Instrumentation Engineering	Mrs.S.V.Kulkarni	How to write high quality technical paper and searching technique in IEEE	Gnanamani College of Technology	29/4/2021
99	Instrumentation Engineering	Dr.V.V.Kale	Online FDP on Machine Learning and Pattern Recognition	ATAL FDP organised by MET's Institute of Engineering	18/01/2021 to 22/01/2021
100	Instrumentation Engineering	Dr.V.V.Kale	Online STTP on “DIGITAL SKILL	BHIVARABAI SAWANT	22/02/2021 to 27/02/2021

			DEVELOPMENT FOR PROFESSIONALS” (Phase-III)	INSTITUTE OF TECHNOLOGY AND RESEARCH, WAGHOLI PUNE, E & TC Dept.	
101	Instrumentation Engineering	Dr.V.V.Kale	Webinar series on AI Master class using Python	Pantech Prolabs India Pvt Ltd , Bangalore	16/2/2021 to 17/3/2021
102	Instrumentation Engineering	Dr.V.V.Kale	Online STTP on “Emerging Trends and Research Challenges in Next Generation Wireless Networks”	Department of Electronics & Communication Engineering, Kongunadu College of Engineering and Technology, Trichy	29/03/2021 to 03/04/2021
103	Instrumentation Engineering	Dr.V.V.Kale	NPTEL online certification course on ' Digital Electronic Circuits"	NPTEL Online Course, IIT Kharagpur	18/01/2021 to 09/04/2021
104	Instrumentation Engineering	Dr.V.V.Kale	Master class on Electric vehicle design using Matlab	Pantech Prolabs India Pvt Ltd , Bangalore	29/03/2021 to 02/04/2021
105	Instrumentation Engineering	Dr. A. A. Shinde	Webinar on Machine Learning Opportunities and Research Challenges	E&TC, AISSMS IOIT	16/06/2020
106	Instrumentation Engineering	Dr. A. A. Shinde	Webinar on Artificial Intelligence in Agriculture – Present Applications And Impact	ENTC, AISSMS IOIT	19/06/20
107	Instrumentation Engineering	Dr. A. A. Shinde	Webinar on Applications of IOT-Live online project making session	E&TC, AISSMS IOIT	20/06/20
108	Instrumentation Engineering	Dr. A. A. Shinde	Webinar on How to Conduct Virtual Labs	E&TC, AISSMS IOIT	24/06/20
109	Instrumentation Engineering	Dr. A. A. Shinde	Online workshop on Introduction to deep learning	Instrumentation, AISSMS IOIT	21/08/20 to 23/08/20
110	Instrumentation Engineering	Dr. A. A. Shinde	National Educational Policy 2020	Principal, AISSMS IOIT	28/08/20
111	Instrumentation Engineering	Dr. A. A. Shinde	AICTE Training And Learning (ATAL)	Mesra, Ranchi.	25/01/21 to 29/01/21

			Academy Online FDP on "Artificial Intelligence " at Birla Institute of Technology,		
112	Instrumentation Engineering	Dr. A. A. Shinde	Online workshop on AI master class using Python	Pantech Prolabs India Pvt Ltd	16/02/2021 to 17/03/2021
113	Instrumentation Engineering	Dr. A. A. Shinde	Webinar on Implementation of National Education Policy 2020	Principal, AISSMS IOIT	15/03/21
114	Instrumentation Engineering	Dr. A. A. Shinde	AICTE Funded Online Short Term Training Program (STTP) On "DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS" (Phase-III)	JSPM, Pune	22/02/21 to 27/02/21
115	Instrumentation Engineering	Ms. D. L. Rathod	Online STTP on "DIGITAL SKILL DEVELOPMENT FOR PROFESSIONALS" (Phase-III)	BHIVARABAI SAWANT INSTITUTE OF TECHNOLOGY AND RESEARCH, WAGHOLI PUNE, E & TC Dept.	22/02/2021 to 27/02/2021
116	Instrumentation Engineering	Ms. D. L. Rathod	Korean for absolute Beginner-1	Keekwan, Korean Studio, udemy	8/03/2021 to 13/03/2021
117	Instrumentation Engineering	Ms. D. L. Rathod	Korean for absolute Beginner-2	Keekwan, Korean Studio, udemy	15/03/2021 to 20/03/2021
118	Instrumentation Engineering	Ms. D. L. Rathod	Essential Korean Grammar Level -1	Keekwan, Korean Studio, udemy	22/03/2021 to 28/03/2021
119	Instrumentation Engineering	Ms. D. L. Rathod	Essential Korean Grammar Level -2	Keekwan, Korean Studio, udemy	12/04/2021 to 19/04/2021
120	Instrumentation Engineering	Ms. D. L. Rathod	Korean conversation	Keekwan, Korean Studio, udemy	18/04/2021 to 25/04/2021

Non-Teaching staff who attended Course / Seminars / Workshops/STTP etc.

Sr. No.	Name of Staff	Event	Organized by	Date and Event
1	Mrs. G. S. Khadtare	Ethical Hacking	Department of IT, AISSMS IOIT	14/09/2020 - 20/09/2020

Teaching Staff Achievement & Awards –

Sr. No.	Department	Name of Staff	Achievement & Awards	Level College/university/state/national/international
1	Instrumentation Engineering	D. L. Rathod	Quiz Series on Electrical vehicle	National
2.	Instrumentation Engineering	Mr. S. R. Kale	Silver Medal in 12 week NPTEL course - Deep Learning Part-I	National
3	Instrumentation Engineering	Mr. S. R. Kale	Silver Medal in 12 Week NPTEL course - Remote Sensing essentials	National
4	Instrumentation Engineering	Mr. S. R. Kale	Elite grade in NPTEL course - Python for Data Science	National
5	Instrumentation Engineering	Mrs.S.V.Kulkarni	Gold Medal in NPTEL course - Product Design-SWAYAM PORTAL- & Development	National
6	Instrumentation Engineering	Mr.S.S.Jagtap	Elite in NPTEL course "Principle of Signal Estimation for MIMO/OFDM Wireless Communication" on Swayam Portall	National
7	Instrumentation Engineering	Mr.S.S.Jagtap	Pass in NPTEL course "Introduction to Operating System" on Swayam Portal	National
8	Instrumentation Engineering	Mrs.S.V.Kulkarni	Introduction to Professional scientific communication" by Indian Institute Kanpur during January to February 2021 (4 week course) with Silver Medal	National

ii) Non-Teaching Staff Achievement & Awards:

Sr. no.	Department	Name of Staff	Achievement &Awards
1	NIL		

- **Seminar/Events conducted under quality Circle**

Sr. No.	Date	Event	Resource Person
1	Nil		

5. Students Achievements

i) Students Academic Activities

Sr. No.	Names of the Students	Event in which Participated	State/National/International Level	Prizes/Medals Won
1	Omkar Gobare	World Photography Day organized by AISSMS College of pharmacy, Pune	State	First
2	Shivanshu Patil	Engagement Extras competition at ISA IIOT & Smart manufacturing Virtual Conference 2020	National	second
3	Shreyas Dhadge	ABHIKALP 2020 Conducted jointly by SPPU Research Park Foundation & Design Innovation Center, SPPU Pune	National	second

ii) Students Cultural Activities

Sr. No.	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
1	Rohit Tarte Shreya Goshalkar	Mazi Shejarin Drama	State	Certificate
2	Rohit Tarte Shreya Goshalkar	Unlock 3.0	State	Certificate
3	N.V.Ro shni	Virtual Treasure Hunt	State	Cash prize
4	Maitreyee Bhangale	Hidden Chef	State	Cash prize

5	Shawan Kuma	Circuit Mania	State	Cash prize
6	Anurag Ramrao Lambor	Technical Group Discussion	State	Cash prize
7	Shivanshu Patil	PuzzleBuzzle	State	Cash prize
8	Sanket Dattatraya Memane	IPL Auction	State	Cash prize
9	Shamal Gund Sumit Ugale	Sportomania	State	Cash prize

iii) Students Sports Activities

Branch	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
Instrumentation	56 students	Online Mode SPORTOMANIA	COLLEGE (STATE LEVEL)	
	45 students	Online Mode IPL AUCTION	COLLEGE (STATE LEVEL)	

iv) Students' Journal Publication: Paper publication in /National/International Seminars/Conferences

Note: -Please write down complete journal name

Branch-										
Sr. No.	Name of the Student	Title of the Paper	Name of the Journal	Vol.	Pg. No.	Year	ISSN No.	Impact Factor	URL	UGC Approved (Yes /No)
1	Jijnyasa Joshi	Design performance of lead and lag compensator using OPAMP and root	Journal of Engineering and Technology for Industrial	6	58-62	2020--21	2447-0228		http://itegam-jetia.org/journal/index.php/jetia/article/view/683	

		locus approach through simulation tool	Applications (JETIA)						
2	Vaishnavi Phadtare, vaishnavi Jagdhane, Ashwini Chanakhekar, Siddhi Sherkar	Smart Performance of Virtual Simulation Experiments Through Arduino Tinkercad Circuits	Perspectives in Communication, Embedded-Systems and Signal-Processing	Vol 4, Issue 7	157 - 160	2020-21	2566-932X	http://pices-journal.com/ojs/index.php/pices/article/view/275/233	
3.	NAGARGOJE BHAGWAT DILIP SURAJ ANANDA MORE ZURUNGE PRAJWAL SUNIL DR.BADRI MOHOPATRA	Artificial Intelligence In Investment Industry	Journal of Emerging Technologies and Innovative Research	Vol 8, Issue 5	a783-a785	2020-21	ISSN: 2349-5162	https://www.jetir.org/view?paper=JETIR2105100	

6. Industry institute Interaction:

- Industrial Visits -Students

Sr. No	Date of Visit	Class	Company	No of Students Visited	Organized by/Attended by
1	25/02/2021	S. E, T. E, B. E.	Inker Robotics Solutions	60	Ms. D. L. Rathod and Mr. S. R. Kale

Faculty Members

Note: Please write down class & students' count.

Sr. NO	Date of visit	Class	Company	No. of students visited	Organized By
For Staff					

1	25/02/2021	S. E, T.E, B. E.	Inker Robotics Solutions	60	Ms. D. L. Rathod
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7. Professional Society Activities: (Expert Lectures, Competitions, aptitude tests etc)

Branch name: -ISA(ISTE/CSI/IETE/IEEE etc. activities)

Sr. No.	Date	Activity Details with class & students' count	Topic	Resource person/ Judge
1	06/06/2020	Webinar on "Civil Service Examination: Information and Approach needed". More than 200 intercollegiate participants	Webinar on "Civil Service Examination: Information and Approach needed".	Prajakta Thakur, Deputy Commissioner of Income Tax, Kolhapur
2	11/7/2020	Webinar on" Field Instrumentation in Chemical Industries" Total 190 participants (faculties and students) attended	Field Instrumentation in Chemical Industries	Mr.Mahesh Patil , General Manager - Instrumentation Department,Deepak Fertilisers & Petrochemicals Corporation Limited,Navi Mumbai
3	27/6/2020	Webinar on "Medical oxygen concentrator (hardware and application)" More than 700 intercollegiate participants	Webinar on "Medical oxygen concentrator (hardware and application)"	Mr.Ayyappadas M.,Director Harvey Biomedical Bagaluru, TOP Biomed,Bengaluru
4	27/07/2020	Webinar on "Job opportunities in Instrumentation Engineering and Higher Studies in the U.S." More than 90 students of AISSMS's IOIT	Webinar on "Job opportunities in Instrumentation Engineering and Higher Studies in the U.S."	Mr. Rohit Ghole, Business Intelligence Engineer, Amazon.com, Seattle, Washington. (Alumnus of AISSMS's IOIT, 2013 batch)
5	11/08/2020	Webinar on "Designing of regulated power supply" for SE class. students=43	Webinar on "Designing of regulated power supply"	Sangamnath Mathadevru, Technical Architect, Tata Technologies, Pune
6	14/08/2021	Webinar on "ISA for students" More than 150 participants from Pune based colleges	Webinar on "ISA for students"	Mr. C'S Dhamanakar, Mr. Vinod Joshi, Mr. Vikas Anwekar, Mr. Rahul Karle, ISA Pune Section
7	16/8/2020	Webinar on" GATE Preparation - By a Effective Use of Online Resources" 56 students of Instrumentation Department of AISSMS IOIT, PUNE	GATE Preparation - By a Effective Use of Online Resources"	Mr.Abhijeet Murgunde MNC Company, Pune
8	19/08/2020	Technical mock interview session for Final Year students. 10 BE Instru	Technical mock interview session for Final Year students.	Mr. Waman Sanap, Founder and Director, iPAC Automation Pvt. Ltd, Pune.

9	12/09/2020	Webinar on “Industrial Automation”. 42 students of AISSMS’s IOIT	Webinar on “Industrial Automation”	Mr. Rahul Apte, Executive in Engineering and commissioning, Siemens India.
10	13/10/2020	Webinar on “Rewarding carrier and experience of high seas”, for S.E, T.E and B.E Total strength: 90	Webinar on “Rewarding carrier and experience of high seas”	Mr. Vasudev Gangam, Watch keeping officer, Gas Engineer, Navy
11	02/11/2020	Webinar on “Safety in Instrumentation and Control” for TE class. students=46	Webinar on “Safety in Instrumentation and Control”	Mr. Amit Saxena, Founder, Alliance Solutions, Pune
12	17/02/2021	Six sigma, professional ethics, 34 SE Instru students	Webinar on “Six sigma, professional ethics”	Mr. Ameya Samel, Proprietor & Healthcare Project Advisor: Ras Technologies & Biomedical Solution Associate Technical Consultant -Healthcare Planning: – Isometrics India Pvt.Ltd
13	24/02/2021	Webinar on “Robotics and Machine learning: Projects and job opportunities”, 54 students of SE, TE and BE	Webinar on “Robotics and Machine learning: Projects and job opportunities”	Mr. Venkatesh Bhamidipati , Head of Technology, Senso Vision Systems, Bengaluru.
14	10/3/2021	Hands-on workshop on- “Project Based Learning Skills ” Class: SE,TE students:90	Hands-on workshop on- “Project Based Learning Skills ”	Mrs. Shubhangi Verulkar , K. C. CEMSR, Thane
15	22/03/2021	Webinar on “Scope of Instrumentation in Embedded & Semiconductor Industry”, 34 students of SE Instrumentation AISSMS’s IOIT	Webinar on “Scope of Instrumentation in Embedded & Semiconductor Industry”	Mr. Deepak Ukey, Software Design Engineer, Samsung Semiconductor India, R & D Bangalore
16	27/03/2021	Control Valve, 45 TE Instru students	Control Valve	Mr. Prasad Kulkarni, Customer Service Support Manager, Forbes Marshall, Pune

Branch name: -ISTE(ISTE/CSI/IETE/IEEE etc. activities)

Sr. No.	Date	Activity Details with class & students’ count	Topic	Resource person/ Judge
1	19/6/2020 to 22/6/2020	Online E-QUIZ “Biomedical Instrumentation” 480 participants earned the e-certificate	Online E-QUIZ “Biomedical Instrumentation”	Mrs.S.V.Kulkarni Mr.H.P.Chaudhari

2	02/07/2020	Webinar on “Artificial Intelligence in Medical Field: Research and Job opportunities”. More than 200 intercollegiate participants	Webinar on “Artificial Intelligence in Medical Field: Research and Job opportunities”.	Dr. Bhushan D. Patil, Lead Scientist, GE Healthcare
3	25/8/2020	Webinar on “Analytical Techniques for Sample Analysis” Class:TE Students-43	Webinar on “Analytical Techniques for Sample Analysis”	Mrs.Aarti Pranjape Kulkarni Laboratory Pune
4	02/02/2021	Webinar on “ Role of Biomedical Engineer in Hospital, 42 TE Instru students”	Webinar on “Role of Biomedical Engineer in Hospital”	Mrs.Pallavi Khalekar, Manager Biomedical Department, Ruby Hall Clinic,Wanoarie ,Pune
5	14/3/2021	National Level Webinar on “Solving Symbolic Mathematics Using SYMPY ” students:63	National Level Webinar on “Solving Symbolic Mathematics Using SYMPY ”	Mr. Vishwanath Pai, Technical Head ,SkillDisk, Bengaluru & Mr. Arun Kumar, Founder and Trainer SkillDisk Bengaluru

Branch name: -IEEE(ISTE/CSI/IETE/IEEE etc. activities)

Sr. No.	Date	Activity Details with class & students' count	Topic	Resource person/ Judge
1	09/08/2020	Webinar on “German Education System and Exam Guidance”. More than 70 students of AISSMS's IOIT	Webinar on “German Education System and Exam Guidance”.	Mr. Shripad Kenekar, Automatisierungstechnik Ingenieur, Stuttgart, Baden-Württemberg, Germany, (Alumnus AISSMS's IOIT 2015 batch)
2	03 & 04/09/2020	Activity on Circuit Design and making 35 Instrumentation students	Activity on Circuit Design and making, “Circuit Mania”	Mr.S.S.Jagtap
3	03 & 04/09/2020	Group Discussion 40 Intercollegiate students	Technical Group Discussion	Mr. H.P.Chaudhari, Mrs. V.V.Kale

4	22/10/2020	Webinar on “Smart Wireless Instruments” for Class: BE Students:28	Webinar on “Smart Wireless Instruments”	Mr.Raghvendra Kulkarni Dipani SENSORMAN Devices Pvt.Ltd Pune
5	12/11/2020	Webinar on “Opportunities in Embedded Domain” for TE class. Students=28	Webinar on “Opportunities in Embedded Domain”	Mr.Krishna Shete Senior Embedded Software Engineer at whirlpool India Ltd
6	25/02/2021	Virtual visit to Inker Robotics Solutions, Bangalore. 43 students of SE, TE, BE Instru	Virtual visit to Inker Robotics Solutions, Bangalore	Inker Robotics Solutions, Bangalore
7	17/03/2021	Webinar on “Introduction to LabVIEW and projects based on LabVIEW” 35 SE, BE Instru students	Webinar on “Introduction to LabVIEW and projects based on LabVIEW”	Ms. Divyani Rathod, Asst. Prof, Instrumentation Engg. dept, AISSMS’s IOIT, Pune

Branch name: -FSAI(ISTE/CSI/IETE/IEEE etc. activities)

Sr. No.	Date	Activity Details with class & students’ count	Topic	Resource person/ Judge
1	18/09/2020	Webinar on “Future role of Instrumentation in Industry”. 60 students of Instrumentation dept, AISSMS’s IOIT	Webinar on “Future role of Instrumentation in Industry”.	Mr. Sadanand Kulkarni, Director, Seiton technologies, Pune.
2	8/6/2020	Webinar on “Career challenges after COVID 19 Pandemic situation” 66 students of Instrumentation Department of AISSMS IOIT PUNE	Career challenges after COVID 19 Pandemic situation	Mr.Abhijeet Murgunde MNC Company, Pune
3	22/03/2021	Green building, 16 BE Instru students	Green building	Ms. Prajakta Patekar, MArch Environment specialization, Green building rating consultant
4	26/03/2021	Fire and Security Association of india(FSAI) orientation session 41 students of SE Instru and E&TC	Fire and Security Association of india(FSAI) orientation session	Dr.V.V.Kale

Expert Lectures: -

Note: Please write down class & students' count.

Sr. No.	Department	Date	Activity Details Topic with class & students' count	Speaker/ Judge	Organizer/ Staff Co coordinator / Student Coordinator
1	Instrumentation Engineering	11/08/2020	"Designing of regulated power supply" for SE class. students=43	Sangam Nath Mathadevru, Technical Architect, Tata Technologies, Pune	Mrs.V.V.Kale
2	Instrumentation Engineering	02/11/2020	"Safety in Instrumentation and Control" for TE class. students=46	Mr. Amit Saxena, Founder, Alliance Solutions, Pune	Mrs.V.V.Kale
3	Instrumentation Engineering	25/8/2020	"Analytical Techniques for Sample Analysis" Class:TE Students-43	Mrs.Aarti Pranjape Kulkarni Laboratory Pune	Mrs.S.V.Kulkarni
4	Instrumentation Engineering	22/10/2020	"Smart Wireless Instruments" Class: BE Students:28	Mr.Raghvendra Kulkarni Dipani SENSORMAN Devices Pvt.Ltd Pune	Mrs.S.V.Kulkarni
5	Instrumentation Engineering	12/11/2020	"Opportunities in Embedded Domain"	Mr.Krishna Shete Senior Embedded Software Engineer at whirlpool India Ltd	Mr.S.S.Jagtap
6	Instrumentation Engineering	22/03/2021	Webinar on "Scope of Instrumentation in Embedded & Semiconductor Industry"	Mr. Deepak Ukey, Software Design Engineer, Samsung Semiconductor India, R & D Bangalore	Dr. V.V. Kale
7	Instrumentation Engineering	02/02/2021	Role of Biomedical Engineer in Hospital	Mrs.Pallavi Khalekar, Ruby Hall Clinic ,Wanoarie Pune	Mrs.S.V.Kulkarni

8.STUDENT ASSOCIATION ACTIVITIES-

Sr. No.	Date	Activity Details Topic with class & students' count	Organizer/ Staff Co coordinator / Student Coordinator
	Nil		

9. Department Activities: -

Activity conducted by faculty members for faculty during activity period

DEPARTMEN T	Name of Staff	Date	Details of activities performed
Instrumentation Engineering	Mrs.S.V.Kulkarni	22/6/2020	Session on -Website Creation
Instrumentation Engineering	Dr.D.R.Shende	9/10/2020	Discussed and given presentation on topic “Emotion Control”.
Instrumentation Engineering	Mrs.V.V.Kale	22/12/2020	Designing of regulated power supply
Instrumentation Engineering	Dr. B. N. Mohapatra	24/12/2020	Presented topic on “The Theory of 7R”.
Instrumentation Engineering	Mr. S. R. Kale	23/12/2020	Session on “Remote Sensing”
Instrumentation Engineering	Mrs.S.V.Kulkarni	25/03/2021	Session on” Mircrosoft Form”

10. NSS Events:

- No. of students Enrolled
- No. of NSS camps held-
- Names of students participated in R.D.Parade-
- Special work done by NSS students-
- Any Other Information - National Unity Day Pledge Activity done by Instrumentation Students

Integrity Pledge by students Vigilance awareness week Satark Bharat (Fight against Corruption) Activity of “VACHAN PRERNA DIN” by reading the Agnipankh Autobiography in memory of Dr.A.P.J Abdul Kalam

11. SWO

Special Guidance Scheme for FE Students

Sr. No.	Name of the Expert Professor	Date	Subject
1	Nil		

12. List of Eminent Personalities who visited institute

Sr. No	Date of Visit	Name of Personality	Profile of Personality	Event	Organized By
1	Nil				

13. Media Coverage:

Nil

14. Event Photograph

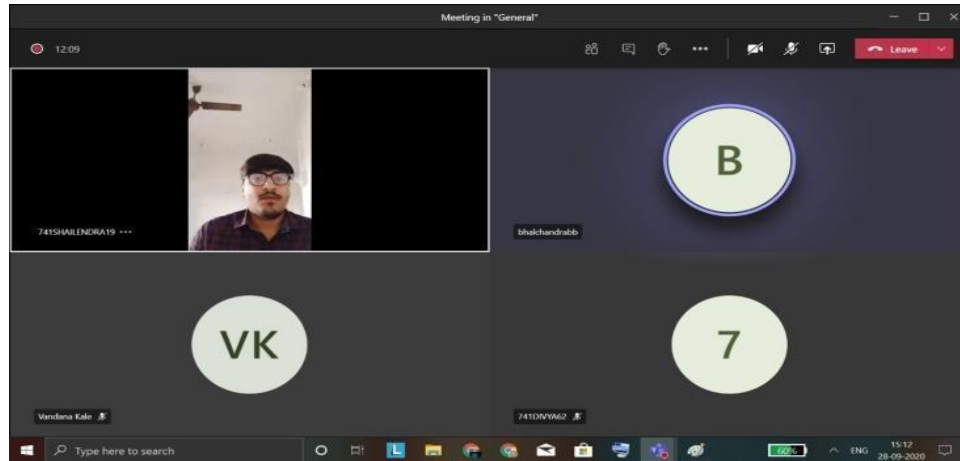
- Sports
- Achievement
- NSS
- Industrial Visits

1] Technical mock interview of BE students: Technical mock interview of 10 BE students organised on 19/08/2020 in association with ISA Student Section. It was conducted by Mr. Waman Sanap, Founder and Director, iPAC Automation Pvt. Ltd, Pune. The event was organised by Mrs.V.V.Kale



Mr. Waman Sanap and Students: Ifrah Khan, Pranav, Gauri Bhosale, Sahana Kulkarni, Aditya, Shreya

2] Personal mock interview of BE students: The AISSMS's Institute of Information Technology had organized mock interview sessions for final year Instrumentation engineering students along with AISSMS's Institute of Management. The mock interview session was conducted by Mr. Bhalchandra Balkrushna Bite and Ms. Pournima Nagane, faculties of AISSMS's IoM and coordinated by Mrs, V.V.Kale, Instrumentation Dept, AISSMS's IOIT



Student : Shailendra



Ms. Pournima Nagane and student : Prassana

3] Webinar : Webinar on "Civil Service Examination: Information and Approach needed" in association with **Alumni association and ISA Student Section** organised on 6th June 2020, organised by Mrs. V.V.Kale. The webinar was presented by Prajakta Thakur, Deputy Commissioner of Income Tax, Kolhapur



Civil Service Examination: Information and Approached needed

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Live chat



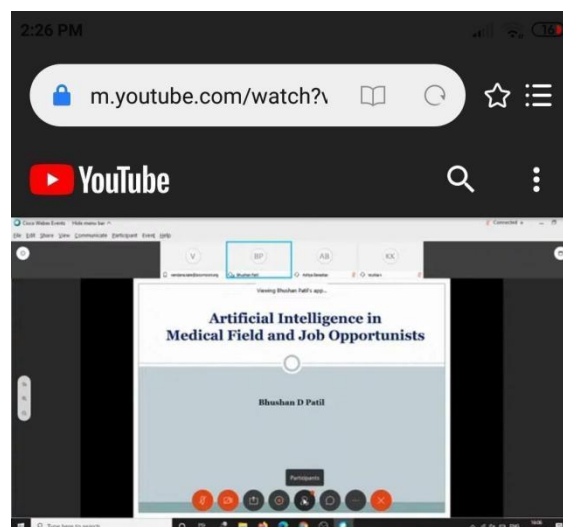
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Mrs. Prajakta Thakur

4] **Webinar** : Webinar organized on " Artificial Intelligence in Medical Field: Research and Job opportunities" on 2 July 2020 in association with ISTE Student Chapter. The speaker for webinar was Dr. Bhushan D. Patil, Lead Scientist, GE Healthcare. The event was organized by Mrs. V. V. Kale and Mrs. A. A. Shinde



"Artificial Intelligence in Medical Field: Research and Job opportunities available"

127 views



11



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AI slide

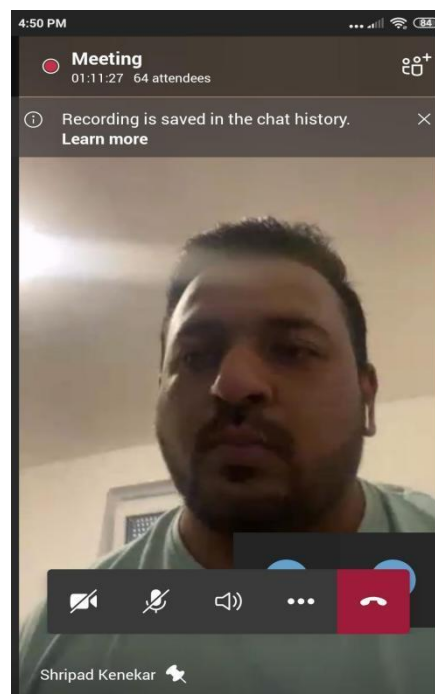
5] **Webinar**: It is organized on "Job opportunities in Instrumentation Engineering and Higher Studies in the U.S." on 27th July 2020 in association with ISA student section. The speaker for the webinar was Mr. Rohit Ghole (Alumnus of AISSMS's IOIT, 2013 batch), Business Intelligence Engineer, Amazon.com, Seattle, Washington, M.S. Industrial Engineering, North

Carolina State University. He is an alumnus of the Instrumentation department of the 2013 batch. The event was organized by Mrs. V. V. Kale and Mrs. S. V.Kulkarni



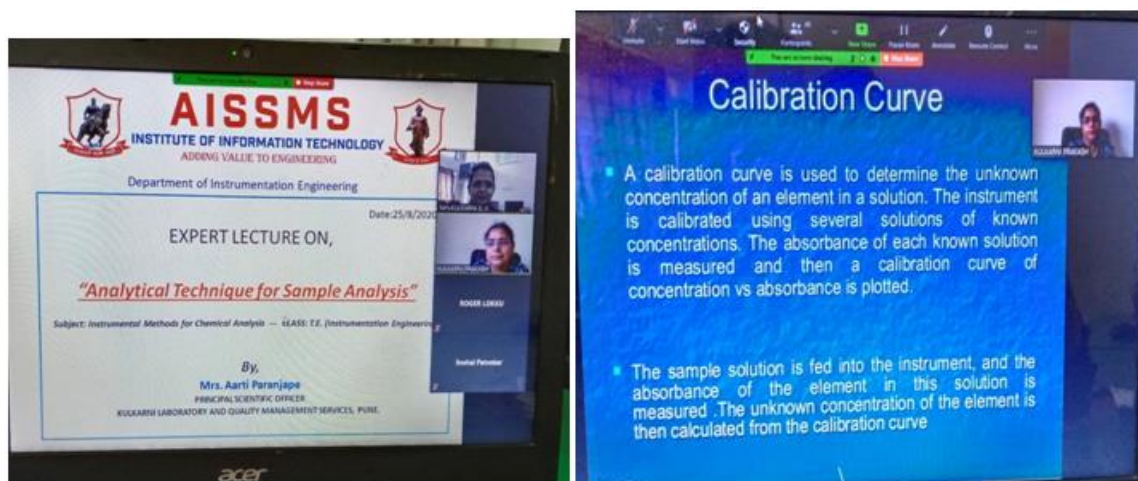
Mr. Rohit Ghole

6] **Webinar:** It is Organized on “German Education System and Exam Guidance” on 9th August 2020 in association with IEEE Student Branch. The speaker for the webinar was Mr. Shripad Kenekar (Alumnus AISSMS’s IOIT 2015 batch), Automatisierungstechnik Ingenieur, Stuttgart, Baden-Württemberg, Germany. The event was organized by Mrs. V. V. Kale and Mrs. A. A. Shinde.



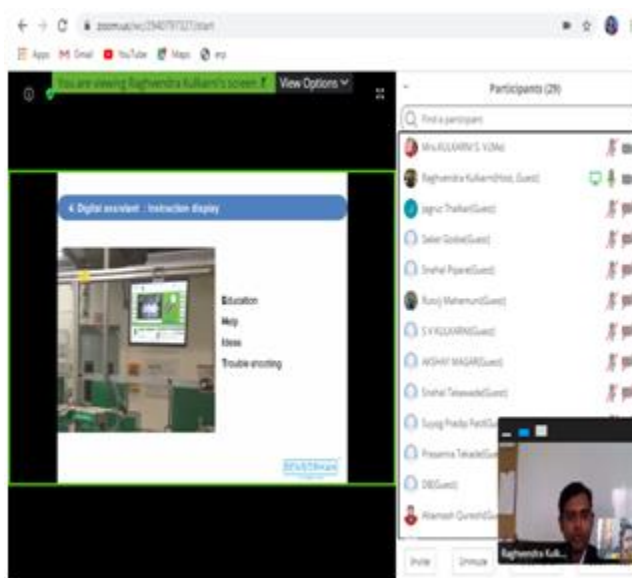
Mr .Shripad Kenekar

7] **Expert lecture:** Expert lecture on “Analytical Technique for Sample Analysis” by Mrs. Aarti Paranjape, Quality Manager, KULKARNI LABORATORY AND QUALITY MANAGEMENT SERVICES, PUNE., for TE Instrumentation Engineering Students on date 25/8/2020. The Expert lecture organized by Mrs. S. V. Kulkarni (IMCA-Subject Teacher)



Mrs. Aarti Paranjape

8] **Expert lecture:** Department of Instrumentation Engineering organize Expert Lecture for the subject Smart Wireless Instrumentation of BE students, on topic “Smart Wireless Instruments” on dated 22/10/2020, which was conducted by Mr. Raghvendra Kulkarni, SENSORMAN- Dipani Sensorman Devices Pvt Ltd. Pune and expert lecture coordinated by Mrs. S. V. Kulkarni (Subject Teacher).



Mr. Raghvendra Kulkarni

9] **FDP for faculties of Instrumentation Department:** Offline Faculty Development Program (FDP) on “Introduction to the DeltaV DCS System” is organized on 14th and 15th December 2020. Session is conducted by Mr. Shashikant R. Kale (Assistant Professor)



Mr. Shashikant R. Kale, Mr. B. N. Mohapatra, Dr. D. R. Shende, Ms. D. L. Rathod

10] **Workshop:** Offline one week hand-on workshop on “DeltaV Distributed Control System (DCS)” is organized and conducted during 8th and 15th February 2021 by Mr. Shashikant R. Kale (Assistant Professor)



Students are working under supervision of Mr. Shashikant R. Kale (Assistant Professor)



Certificate distribution of the workshop by Dr. P. B. Mane (Principal) in presence of Dr. D. R. Shende (HOD) and student (Aditya Baradkar)



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Department of Instrumentation Engineering MSP430- LUNCH BOX KIT Received from,

NPTEL Course - Introduction to Embedded System Design

Netaji Subhas University of Technology, IIT Jammu

Industry Support- : Texas Instruments



Regards

Mrs. S. V. Kulkarni
T.E. GFM

Mrs. Pushpa Hirave
Librarian

Dr. D. R. Shende
HOD

Dr. P. B. Mane
Principal

NPTEL Certificate Holder Staff and Student with successful award



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Department of Instrumentation Engineering

NPTEL Certificate Holders



Mrs. S. V. Kulkarni
Product Design & Development






Mr. S. R. Kale
Remote Sensing Essentials





Mr. S. S. Jagtap
Principles of Signal Estimation for MIMO/OFDM Wireless Communication






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Department of Instrumentation Engineering

NPTEL Certificate Holder

Congratulations



DEVDATTA RAJDATTA PIMPARKAR
PYTHON FOR DATA SCIENCE
January - February 2021



Teaching Staff : Mrs. S. V. Kulkarni, Mr. S. R. Kale and
S. S. Jagtap

Student : D. R. Pimparkar

9. **Expert Lecture :** AISSMS IOIT, Pune-Department of Instrumentation Engineering in association with ISA All India Shri Shivaji Memorial Society Student Section organized Hands-on workshop on-“Project Based Learning Skills ” on dated 10/3/2021 by Mrs. Shubhangi Verulkar , K. C. CEMSR, Thane and workshop coordinated by Mrs. S. V. Kulkarni with the student coordinators Snehal Patvekar(T.E.Instrumentation),Sujit Jadhav (T.E. Instrumentation),Vaishnvi Phadtare(S.E. Instrumentation),Sumeet Saibi (S.E. Instrumentation),under the Guidance of Dr. D. R. Shende HOD Instrumentation Engineering .For workshop more then 90 participants taken the benefit .



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ISA
International Society of Automation
All India Shri Shivaji Memorial Society
Student Section

Department of Instrumentation Engineering

Invites You For a Hands-On Workshop On,

“ Project Based Learning Skills ”

Date: 10/3/2021
Time: 11.00am
Mode: Google Meet / You Tube

Under the Guidance of

Dr. P. B. Mane
Principal
AISSMS IOIT, PUNE

Dr.D.R.Shende
HoD
Dept. of Instrumentation Engineering

Co-ordinated By

Mrs. S.V.Kulkarni
Faculty Coordinator

Snehal Patvekar(T.E.Instrumentation)
Sujit Jadhav (T.E. Instrumentation)
Vaishnvi Phadtare(S.E. Instrumentation)
Sumeet Saibi (S.E. Instrumentation)
Student Coordinators



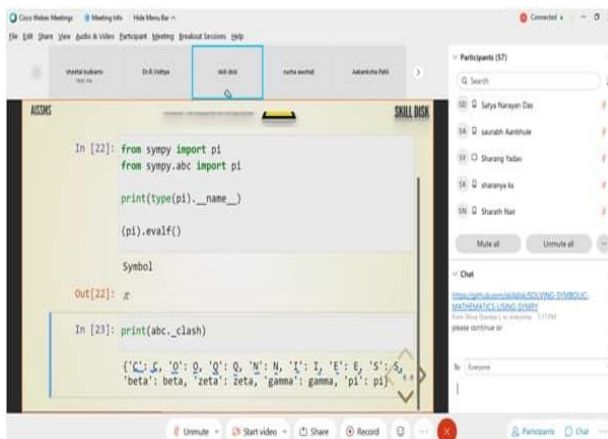
Speaker

Mrs. Shubhangi Verulkar
K. C. College of Engineering and
Management Studies and Research,
Thane




Mrs. Shubhangi Verulkar, Mrs. S. V. Kulkarni with the student coordinators Snehal Patvekar(T.E.Instrumentation),Sujit Jadhav (T.E. Instrumentation),Vaishnvi Phadtare(S.E. Instrumentation),Sumeet Saibi (S.E. Instrumentation)

10. **Expert Lecture :** AISSMS IOIT, Pune - Department of Instrumentation Engineering in association with ISTE organized National Level Webinar on “Solving Symbolic Mathematics Using SYMPY ” on dated 14/3/2021 by Mr. Vishwanath Pai, Technical Head ,SkillDisk, Bengaluru & Mr. Arun Kumar, Founder and Trainer SkillDisk Bengaluru . Webinar coordinated by Mrs. S. V. Kulkarni with the student coordinators Rucha Awchat, Pratiksha Mane, Virendra Das (T.E.Instrumentation) ,under the Guidance of Dr. D. R. Shende HOD Instrumentation Engineering.



```

In [22]: from sympy import pi
         from sympy.abc import pi

         print(type(pi).__name__)

         (pi).evalf()


Symbol


Out[22]: pi

In [23]: print(abc._clash)

{'C': 'c', 'O': 'o', 'Q': 'q', 'N': 'n', 'I': 'i', 'E': 'e', 'S': 's',
'beta': 'beta', 'zeta': 'zeta', 'gamma': 'gamma', 'pi': 'pi'}


```







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Department of Instrumentation Engineering



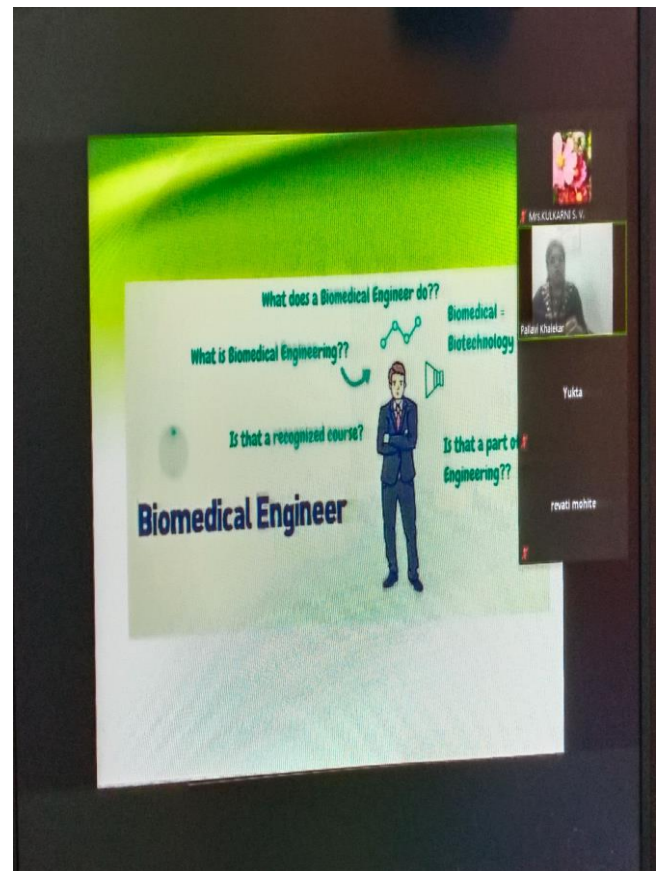



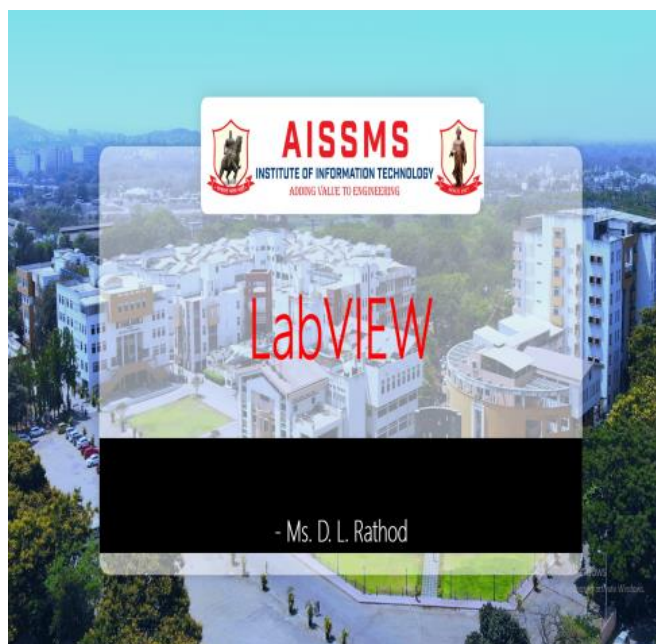
SymPy

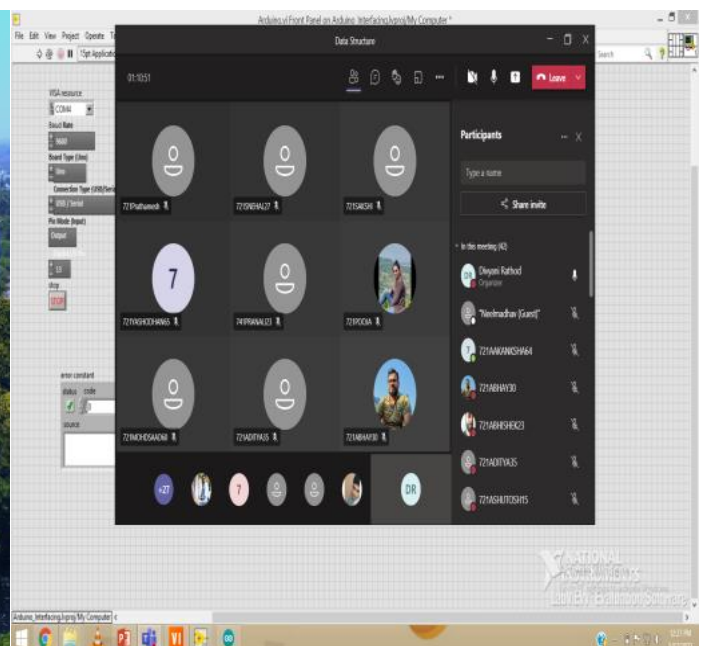
SOLVING SYMBOLIC MATHEMATICS USING SYMPY

www.aiissmsioit.org www.skilldisk.com

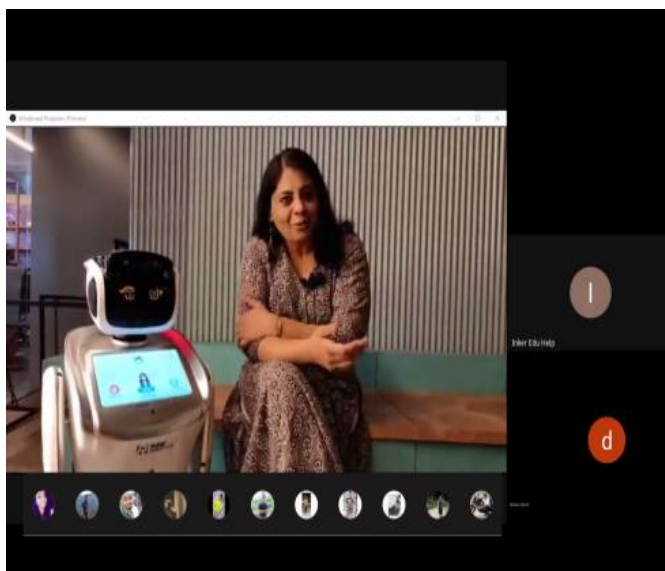
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Accredited by NAAC with 'A' Grade
-
-
- Department of Instrumentation Engineering
In association with ISTE**
- ## **Webinar on "Role of Biomedical Engineer in Hospital"**
-
- Mrs. Pallavi Khalekar**
- Sr. Manager Biomedical**
- Ruby Hall Clinic, Wanowrie, Pune**
- Date: 2/2/2021 | Time 9.30 am | Venue: Zoom Platform**
- Regards***
- Mrs. S. V. Kulkarni**
Coordinator
- Dr. D. R. Shende**
HOD
- Dr. P. B. Mane**
Principal



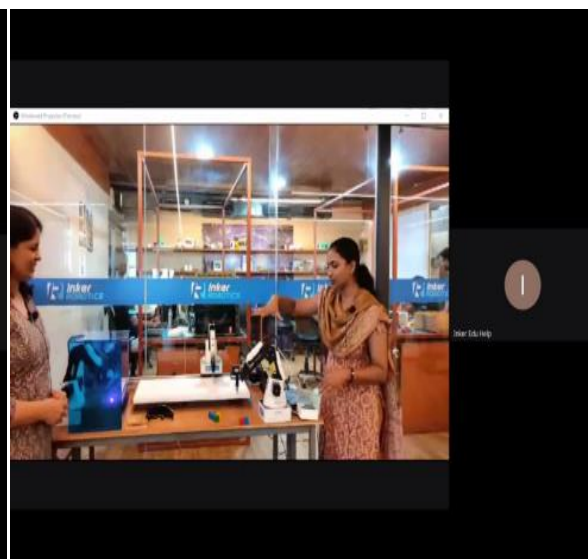
- 
- An aerial photograph of the AISSMS Institute of Information Technology campus, showing various academic buildings, a central green field, and surrounding trees. Overlaid on the image is a presentation slide with a white header containing the AISSMS logo and name, the text 'LabVIEW' in large red letters, and a black footer with the presenter's name.
- AISSMS**
INSTITUTE OF INFORMATION TECHNOLOGY
ADDING VALUE TO ENGINEERING
- LabVIEW**
- Ms. D. L. Rathod



13. **Virtual Visit :** In Association with IEEE student Section Industrial Virtual Visit at Inker Robotic Solutions Pvt Ltd. organized by Miss D. L. Rathod, Assistant Professor in Department of Instrumentation Engineering, AISSMS, IOIT Pune and Mr. S. R. Kale, Assistant Professor in Department of Instrumentation Engineering, AISSMS, IOIT Pune on date 25/02/2022.



Inker Team, Department of Instrumentation Teaching and on- Teaching staff and Students

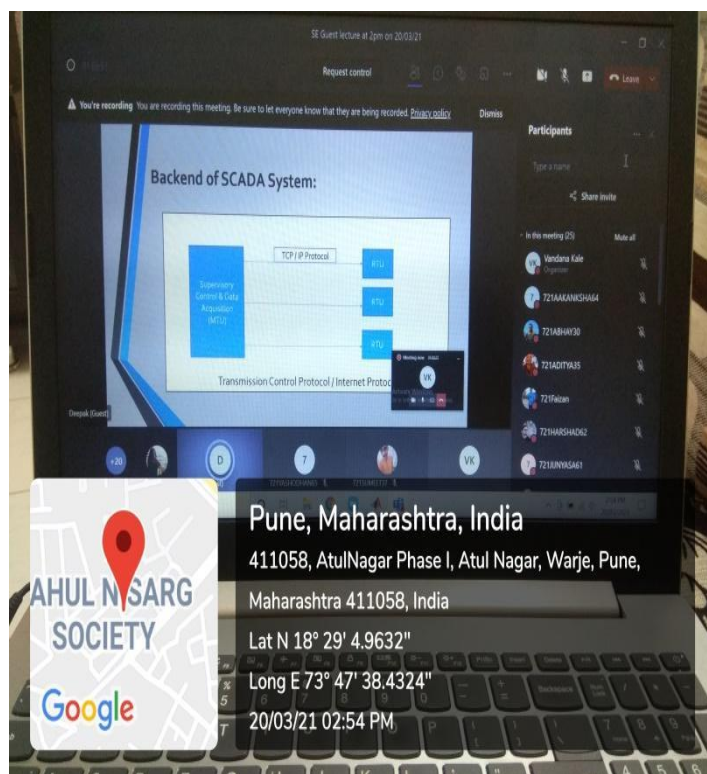


Inker Team, Department of Instrumentation Teaching and on- Teaching staff and Students

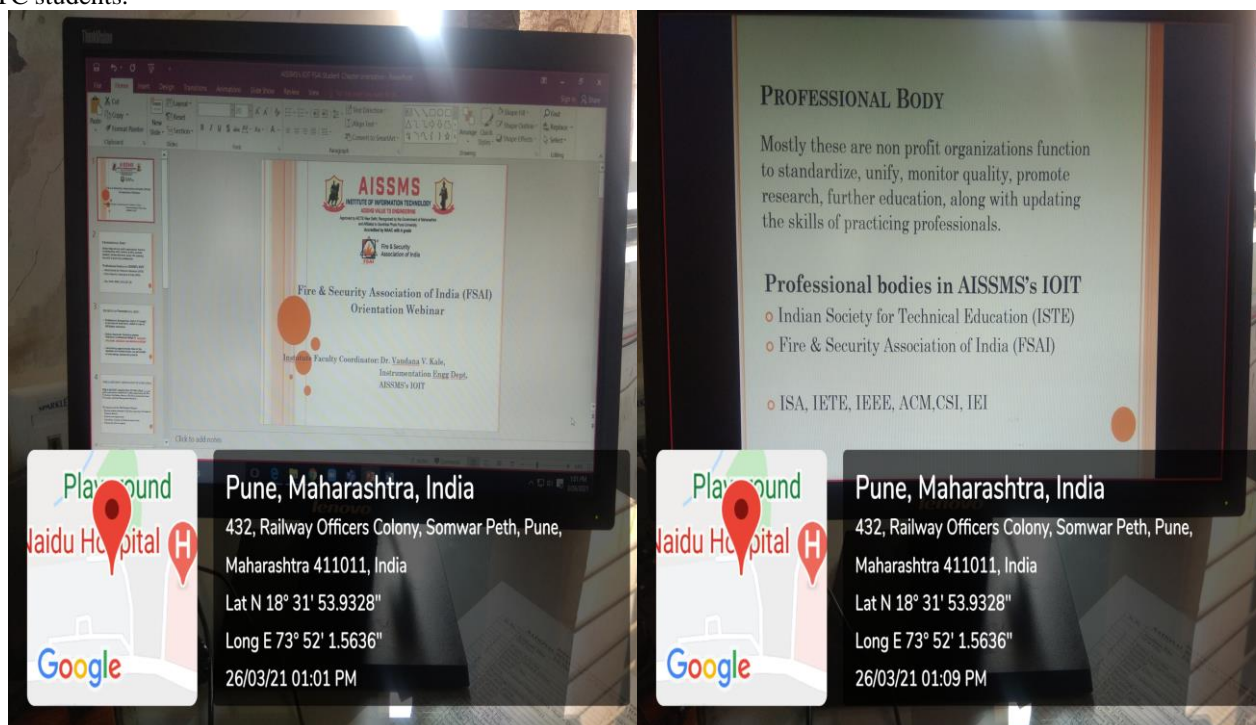
14. **Webinar :** Webinar on " Robotics and Machine learning: Projects and job opportunities" by Mr. Venkatesh Bhamidipati , Head of Technology, Senso Vision Systems, Bengaluru on 24th February 2021 in association with ISA Student section, AISSMS's IOIT.



15. **Webinar:** Webinar on "Scope of Instrumentation in Embedded & Semiconductor Industry" was conducted by Mr. Deepak Ukey, Software Design Engineer, Samsung Semiconductor India, R & D Bangalore, on 22/03/2021 in association with ISA Student section, AISSMS's IOIT.



16. **Webinar:** Webinar on “Fire and Security Association of india(FSAI) orientation” , conducted by Dr. V.V.Kale on 26/03/2021 in association with FSAI student section, AISSMS’s IOIT for direct second year Instrumentation and E & TC students.



17. **AI MASTER CLASS :** AISSMS IOIT, PUNE Department of Instrumentation Engineering organized the AI MASTER CLASS USING PYTHON in association with PANTECH SOLUTION for SE, TE, BE students and faculty members during 16/2/2021 to 17/3/2021.

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Department of Instrumentation Engineering
in association with,
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Technology Beyond The Dreams

AI MASTER CLASS USING PYTHON
(Free 30 DAYS Webinar Series)

Date: 16/02/2021 to 17/03/2021
Time: 8.00 PM to 8.45 PM
Mode: YOU TUBE

Under the Guidance of

Dr. P. B. Mane
Principal
AISSMS IOIT, PUNE

Dr. D. R. SHENDE
HoD
Instrumentation Engineering

Co-ordinated By
Mrs. S. V. KULKARNI
Faculty Coordinator

Shripad Garat Sharang Yadav Sumeet Saibi
Student Coordinators

CERTIFICATE NO : PS-AI-MC-PYTHON-S2-2126



**CERTIFICATE
OF PARTICIPATION**

NAME : Mrs.KULKARNI SHEETAL V

COLLEGE : AISSMS IOIT PUNE

has Successfully Completed
AI MASTER CLASS USING PYTHON

at Pantech Prolabs India Pvt Ltd

From : FEB 16-2021 to : MARCH 17-2021


M.MALAIYAPPAN
DIRECTOR
PANTECHSOLUTIONS