



ANNUAL YEARLY REPORT 2018-19

Department of Instrumentation Engineering

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
1	Instrumentation	Dr.D.R.Shende Mrs.S.V.Kulkarni	Modernization of Biomedical Instrumentation Lab	MODROB	2018-2020	6.59 Lakh	Major
2	E&TC Instrumentation	Mr.R.N.Jadhav Mr.S.S.Jagtap	Design and implementation of Compact UWB Antenna with dual band notched characteristics for MIMO system	ASPIRE SPPU Pune	2019-2021	3 Lakhs	Minor

Journal 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	Volume & pages	Year of Publication	ISBN/ISS N No.
Instrumentation	Prof.B.N.Mohapatra	Analysis of Daylighting using daylight factor and luminance for different room scenarios	IJCIET	Vol-9 issue-10	2018	0976-6308
Instrumentation	Prof.B.N.Mohapatra	Designing a IOT based emerging mechanism for generation of electricity energy through speed breaker	JTEME	Volume-4 issue-1	2018	2451-148X
Instrumentation	Prof.B.N.Mohapatra	Machine learning application to smart city	ACCENTS TIPCV	Volume 5 issue-14	2019	2455-4707



Instrumentation	Prof.B.N.Mohapatra	Positioning of lightshelves to enhance daylight illuminance in office rooms	IJECS	Volume-14 issue-2	2019	2502-4752
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• **Resourcepersons:**

Sr. No	Staff Name	Date & Place	Details
1	Ms.N.S.Nagdeo , Mrs.P.D.Deosarkar	Rayatshikshansansta	Awareness to careers in Engineering
2	Ms.N.S.Nagdeo	SNBP High school & Junior college	Awareness to careers in Engineering
3	Dr.D.R.Shende , Mr.S.S.Jagtap	YashwantraoChavan High School , Phaltan	Awareness to careers in Engineering
4	Mrs.S.V.Kulkarni, Mr.S.M.Bedre	ShankarraoButtepatilVidyanagar & KanistraMahavidyalaya ,Junnar	Awareness to careers in Engineering
5	Mrs.S.V.Kulkarni, Mr.S.M.Bedre	Shri,ShivChhatrapati College ,Junnar	Awareness to careers in Engineering

• **Seminar/Workshops/Conferenceorganized**

Sr. No	Department	Topic	Conducted by	Date
1.	Instrumentation	Workshop on “Circuit Building on General Purpose PCB”	Mr.S.M.Bedre	16 Aug 2018
2.	Instrumentation	Workshop on “Hands on skills in Embedded sys Design”	Mr.S.S.Jagtap	17 Sept 2018 to 19 Sept 2018
3.	Instrumentation	Workshop on “Hands on session on proteus	Mr.S.S.Jagtap	
4.	Instrumentation	Workshop on “ Effective use of MS word & power point” for BE	Mr.S.M.Bedre	03 Oct 2018
5.	Instrumentation	Two days Workshop on“Component Identification & Testing” for SE	Mr.S.M.Bedre	08 Aug 2018 & 10 Aug 2018
6.	Instrumentation	Seminar on “Power Supply Design” for SE students.	Mr.S.M.Bedre	23 Aug 2018
7.	Instrumentation	Seminar on “Future in Instrumentation”	Mr.AbhijeetMurgunde	16 Aug 2018
8.	Instrumentation	Seminar on “ Gateway to Instrumentation”	Mr.AbhijeetMurgunde	11 Sept 2018
9.	Instrumentation	Worshop on “Circuit Troubleshooting”	Mr.S.M.Bedre	30/01/2019
10.	Instrumentation	Worshop on Electric wiring	Mr.S.M.Bedre	15/02/2019
11.	Instrumentation	DCS Training	Prof.H.T.Patil	25/06/2019& 26/03/2019



12.	Instrumentation	PLC Training	Kulkarni sir	7/01/2019 to 11/01/ 2019
13.	Instrumentation	PLC Training	Kulkarni sir	31/12/2018 to 04/01/2019

• **List of Faculty Members who attended Course / Seminars / Workshops/STTPetc.**

Sr. No.	Branch	Name of Staff	Event	Organized by	Date of Event
1.	Instrumentation	Mrs.S.V.Kulkarni	Online course "Pedagogy for effective use of ICT for school teachers"	IIT Bombay	6th July to 07th Sept 2018
2.	Instrumentation	Mrs.S.V.Kulkarni	02 days workshop on "Two days Intensive, Hands on workshop on Mass Spectrometry based Proteomics for beginners"	Venture center, Pune	6th June & 27th June 2018
3.	Instrumentation	Mrs.S.V.Kulkarni	One week FDP "Mentoring & counselling skills"	SPPU Pune	0th Aug to 26th Aug 2018
4.	Instrumentation	Mr.H.P.Chaudhari	One week FDP "Microteaching"	SPPU Pune	7th Aug to 02th Sept 2018
5.	Instrumentation	Mr.H.P.Chaudhari	One week fulltime course of HI-TECH training in "Adv. PLC Programming (Allen Bradley)"	II-TECH Training scheme ITI Aundh	9th July to 13th July 2018
6.	Instrumentation	Mr.S.M.Bedre	One week fulltime course of HI-TECH training in "Adv. PLC Programming (Allen Bradley)"	II-TECH Training scheme ITI Aundh	9th July to 13th July 2018
7.	Instrumentation	Dr.D.R.Shende	One week fulltime course of HI-TECH training in "Adv. PLC Programming (Allen Bradley)"	II-TECH Training scheme ITI Aundh	02th July to 06th July 2018
8.	Instrumentation	Ms.P.D.Deosarkar	One week FDP on "soft skills for Techers"	SPPU Pune	4th Sept to 10th Sept 2018
9.	Instrumentation	Ms.P.D.Deosarkar	One day workshop on "BE revised syllabus for sub. PEM"	Summins college of Engg. Pune	5 July 2018
10.	Instrumentation	Ms.R.R.Gaikwad	One day workshop on "Introduction to R" programming language	AISSMS IOIT ,Pune	29 th November ,2018
11.	Instrumentation	Mr. B. N. Mohapatra	FDP on "Cyber security and data science"	AISSMS IOIT conducted by PMMMMNMTT	11/02/20 19 to 17/02/ 2019
12.	Instrumentation	Mr. B. N. Mohapatra	Syllabus discussion on Process Instrumentation and Industrial automation	AISSMS IOIT	07 /01/ 2019



13.	Instrumentation	Ms.N.S.Nagdeo	One day workshop on “BE revised syllabus for Elective IV Subject Instrumentation in Food Process & Agriculture Industries.	Dr.D.Y.Patil College Of Engineering, Akurdi.	04/01/2019
14.	Instrumentation	Ms.R.R.Gaikwad	One day workshop on “BE revised syllabus for subject Building Automation	Dr.D.Y.Patil College Of Engineering, Akurdi.	04/01/2019
15.	Instrumentation	Mrs.S.S.Jagtap	One day FDP on “Renewable Energy System” Subject Course	D.Y.Patil Akurdi	04/01/2019
16.	Instrumentation	Mrs.S.V.Kulkarni	One day workshop on “Syllabus discussion of process instru& Industrial automation”	AISSMS IOIT	07/01/2019
17.	Instrumentation	Mrs.S.V.Kulkarni	One day workshop on “Syllabus discussion of process Elective 3 & 4”	DYCOE Akurdi	04/01/2019
18.	Instrumentation	Ms.N.S.Nagdeo	One day workshop on “Syllabus discussion of process instru& Industrial automation”	AISSMS IOIT	07/01/2019

• **Teaching Staff Achievement & Awards–**

Sr. No.	Department	Name of Staff	Achievement & Awards
1	Instrumentation	Ms.N.S.Nagdeo	100% Result award for the Final Year subject Sensor Network

ii) Students Cultural Activities)

Sr. No.	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
1	1.Sanskriti Padaval 2. Himanshu Jawale 3. Rohit Tarate 4. Chaitanya Rajapure 5. Ojas Nikumbh	Dajikaka Karandak 2018	University Level	Participated
2	Chetan Sudhakar Bhanarkar 2. Sanskriti Padaval 3. Vishal Thengal	Instron (Art Gallery)	Inter Department	Participated
3	1. Shreya Ghoshalkar 2. Chetan Sudhakar Bhanarkar 3. Sahana Kulkarni 4. Prajkta Mahale 4. Tekawade Snehal Suresh 5. Kajal Talele 6. Suyog Patil	Rangoli Competition (Instron)	Inter Department	Participated



4	1. KajalTalele 2. ShreyaGhoshalkar 3. Pranalikhedekar 4. Shivani Jadhav 5. TekawadeSnehal Suresh	Mehandi Competition (Instron)	Inter Department	Participated
5	1. Sanskriti Padaval 2. HimanshuJawale 3. RohitTarate 4. ChaitanyaRajapure 5. OjasNikumbh	Purshotam 2019	University Level	Participated

iii) Students Sports Activities()

Branch	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
Instrumentation	Mr.PathanShahid	Football	Inter College	Participated
Branch	Names of the Students	Event in which Participated	State/National/International Level	Prizes /Medals Won
Instrumentation	Mr.PathanShahid	Football	Inter College	Participated
Instrumentation	Subhamsatishmahajan	Football	State level	Winner/ Runner-up
Instrumentation	Subhamsatishmahajan	Football	intercollegiate	Participated
Instrumentation	Subhamsatishmahajan	Football	State level	Participated
Instrumentation	Sammi hakim	Football	State level	Participated
Instrumentation	Abhishekkadam	kabbadi	State level	participated
Instrumentation	Aniketbordekar	kabaddi	State level	participated
Instrumentation	Abhishekkadam	kabbadi	State level	participated
Instrumentation	Aniketbordekar	kabaddi	State level	participated
Instrumentation	Abhishekkadam	kabaddi	State level	participated



Instrumentation	Aniketbordekar	kabbadi	State level	Participated
Instrumentation	Sumitugale	Football	Inter departmental	Runner ups
Instrumentation	Subhash G Konar	Football	Inter departmental	Runner ups
Instrumentation	Satej N Bodhe	Football	Inter departmental	Runner ups
Instrumentation	SammiRafiq Hakim	Football	State level	Participated
Instrumentation	SammiRafiq Hakim	Football	Intercollegiate	Participated
Instrumentation	SammiRafiq Hakim	Football	Intercollegiate	Participated
Instrumentation	SammiRafiq Hakim	Football	Intercollegiate	Participated
Instrumentation	SammiRafiq Hakim	Football	Intercollegiate	Participated

6. Industry instituteInteraction:

- Industrial Visits-Students

Sr. NO	Date of visit	Class	Company	No. of students visited	Organized By
For Staff					
1	13/07/2018	S.E	GMRT Khodad	30	Ms.P.D. Deosarkar
2	18/7/2018	S.E	Indian Meteorological Pune	29	Ms.N.S. Nagdeo
3	18/9/2018	S.E	ETDC, Pune	41	Mr.H.P. Chaudhari
4	6/9/2018	T.E	Akhilesh Electricals	38	Mr.S.M. Bedre
5	6/9/2018	T.E	Kulkarni laboratories		Mrs.S.V. Kulkarni
6	6/9/2018	B.E	MojjEngg. Pvt. Ltd.	31	Dr.D.R. Shende
7	6/9/2018	B.E	Trimasys Control Solutions Pvt Ltd.	31	Dr.D.R. Shende
8	18/9/18	B.E	LogiconTechnosolution	6	Ms.R.R. Gaikwad
9	23/7/2018	B.E	Lensor optics pvt.ltd		Mrs.S.V. Kulkarni
	9/10/2018	T.E	Abacus Electronics Pvt. Ltd.	40	Mr.S.S. Jagtap
10	12/10/2018				



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11	27/8/2018	T.E	New Naydu Hospital PMC	33	Mr.N.D. Gaikwad
12	04/02/2019	S.E	Future Automation Pvt. Ltd.	44	Mrs.N.S. Nagdeo
13	8/9/2019	T.E	Ruby Hall Clinic	23	Mrs.S.V. Kulkarni
14	13/02/2019	TE	Forbes Marshal PVT, Ltd.	12	Mrs.S.V. Kulkarni
15	30/1/2019	B.E	Shri. SantTukaramSakharKarkhanaMulashi Pune	10	Dr.D.R. Shende
16	05/02/2019	B.E	Hi-Tech Flouriculture Project Agricultural college	15	Ms.N.S. Nagdeo
17	01/03/2019	B.E	PCMC Water Treatment Plant	11	Mr.B.N. Mohapatra

7. Professional Society Activities: (Expert Lectures, Competitions, aptitude tests etc)

Sr. No.	Date	Activity Details Topic	Resource person/ Judge
1	04/09/2018	Poster Presentation Competition	1.Mr.Sadaphule Prashant (Asst. Professor,Computer Dept.) 2.Mrs.Harshada Magar (Asst. Professor,E&TC Dept.) 3.Mrs.Vaishali Kuralkar (Asst. Professor,Electrical Dept.)
2	17/7/18	Seminar on "Product Development and Marketing"	Mr.Vinod Joshi
3	21/7/18	Tech talk "Data Integrity"	Mr. KeadrKulkarni
4	18/9/2018	Industrial visit at, LOGICON Technosoloution Pune	Mr.H.S.Pansare
5.	19/01/19	IOT Conference at Cummins College of Engineering Pune	Mr. Vinod Joshi Mrs.SujataTilak
6.	13/02/19	Industrial Visit at Forbes Marshall Chakan Pune	MS.AnanyaSen
7.	27/02/19	Seminar on " Industrial Internet of Things"	Mr. SandeepShroff
8.	29/03/19	TechnoPHILIA 19,3rd National Level Technical Paper Presentation & Project Competition	Mrs. ShilpaRudrawar



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9.	4/4/19	State Level Project Competition at VIT PUNE	Mrs. A .K. Chaudhari
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Sr. No.	Date	Activity Details Topic	Organizer/ Staff Co coordinator / Student Coordinator
1.	27/07/2018	Guru Pournima	INSAT Committee /Mr.S.S.Jagtap/Ms.AnuradhaChavan&Mr.YogeshPatil
2.	17/09/2018 To 19/09/2018	Workshop on Hands on Embedded System Design for TE Instrumentation Students	INSAT Committee /Mr.S.S.Jagtap/Mr.Ranveer Kumar Singh
3.	21/09/2018	Project Competition	INSAT Committee /Mr.S.S.Jagtap/Mr.ChetanBhoje
4.	21/09/2018	Essay Competition	INSAT Committee /Mr.S.S.Jagtap/Mr.VaibhavLokhande
5.	21/09/2018	Technical quiz	INSAT Committee /Mr.S.S.Jagtap/Mr.NarayanBhosale
6.	21/09/2018	Poster Competition	INSAT Committee /Mr.S.S.Jagtap/Mr.ShubhamSakunde
7.	21/09/2018	Mehandi Competition	INSAT Committee /Mr.S.S.Jagtap/Ms.SonalKarale
8.	21/09/2018	Rangoli Competition	INSAT Committee /Mr.S.S.Jagtap/Ms.AnuradhaChavan

Student Association(INSTRON) Activity



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9.	21/09/2018	Box Cricket	INSAT Committee /Mr.S.S.Jagtap /Mr.ShreyasZolekar
10.	21/09/2018	Chess Competition	INSAT Committee /Mr.S.S.Jagtap/Mr.SangameshBudre
11.	21/09/2018	Carom	INSAT Committee /Mr.S.S.Jagtap/Mr.RavikiranTambekar
12.	24/10/2018	Hands on Proteus Software for TE Instrumentation Students	INSAT Committee /Mr.S.S.Jagtap/Mr.Ranveer Kumar Singh

Expert Lectures:-

Sr. No.	Department	Date	Activity Details Topic	Speaker/ Judge	Organizer/ Staff Co coordinator / Student Coordinator
1	Instrumentation	17/09/2018	Calibration	Mr&MrsZanpure	Mr.H.P.Chaudhari
2	Instrumentation	05/07/2018	Demo of various sensors	Mr.Shailendra Kumar	Ms.N.S.Nagdeo
3	Instrumentation	24/07/2018	Optical analyzer & colorimeter	Mr.B.V.Ranade	Mrs.S.V.Kulkarni
4	Instrumentation	12/10/2018	Hazardouds area	Mr.AmitSaxena	Mr.S.M.Bedre
5	Instrumentation	28/09/2018	Budgeting	Dr.BhagyashreeKanhere	Mr.N.D.Gaikwad
6	Instrumentation	28/09/2018	Recent trends of MC in industry	Mr.JivanSonkamble	Mr.S.S.Jagtap
7	Instrumentation	12/09/2018	Industrial Instru& bioreactor	Mr.KedarKulkarni	Dr.D.R.Shende
8	Instrumentation	27/07/2018	Industrial applications of IOT	Mr.SandipShroff	Mrs.R.R.Gaikwad



9	Instrumentation	31/07/2018	Recent trends in optics	Mr. PrakshBorole	Mrs.S.V.Kulkarni
10	Instrumentation	21/01/19	Scope of maintenance for biomedical equipment	Mr.VinodKajale	Mrs.S.V. Kulkarni
11	Instrumentation	05/02/19	HVAC	Mr.VivekTandale	Ms.R.R.Gaikwad
12	Gaikwad				
13	Instrumentation	14/02/19	DCS	Mr.D.K.Deshmukh	Dr.D.R. Shende
14	Instrumentation	07/03/19	Level MSMT	RevatiBhavsar	Ms.N.S. Nagdeo

9. Department Activities:-

Activity conducted by faculty members for faculty during activity period

DEPARTMENT	Name of Staff	Date	Details of activities performed
Instrumentation	Dr.D.R.Shende	27/08/2018	Research paper writing and its challenges
Instrumentation	Mrs.S.V.Kulkarni	19/06/2018	“Online Certification Courses”
Instrumentation	Ms.N.S.Nagdeo	6/7/2018	Corporate Grooming Tips
Instrumentation	Mr.S.M.Bedre	15/10/2018	Introduction to Batteries
Instrumentation	Mr.S.S.Jagtap	15/10/2018	Introduction of ‘WORDPRESS’
Instrumentation	Mr.B.N.Mohapatra	27/08/2018	Research Vital links
Instrumentation	Mrs.S.V. Kulkarni	04/04/2019	“Course Creation by MOODLE”
Instrumentation	Ms.R.R. Gaikwad	04/04/2019	“Time Management”
Instrumentation	Dr.D.R. Shende	30/01/2019	“Research Methodology”
Instrumentation	Ms.N.S. Nagdeo	05/03/2019	“Creative Thinking”
Instrumentation	Mr.S.M.Bedre	13/02/2019	IP Protocol
Instrumentation	Mr.S.S.Jagtap.	04/04/2019	“Electromagnetic Line TransmissionLine Theory”
Instrumentation	Mr.B.N.Mohapatra	21/01/2019	“Teaching Style & Student Engagement”6



13. SocialActivity

Sr. No.	Date of Visit	Organized by	Visit Place	Visited by
1	14/08/2018	Mrs. S.V. Kulkarni Mr.S.M.Bedre	Balkalyanasans tha, pune	TE
2	14/08/2018	Dr.D.R.Shnede Ms.P.D.Deosarkar Mr.S.S.Jagtap Mr.B.N.Mohapatra	Sandhaya home for the aged,pune	BE
3	16/01/2019	Mr.H.P.Chaudhari Mrs. S.V. Kulkarni Mr.S.M.Bedre	MadhurbhavBiiss ,Pune	TE
4	27/03/2019	Ms.N.S.Nagdeo Mr.B.N.mohapatra	SOFOSH,Pune	SE