



# ACADEMIC REPORT (2019-20)



# SKN SINHGAD COLLEGE OF ENGINEERING PANDHARPUR

ACADEMIC REPORT  
2019-20

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## MESSAGE OF PRESIDENT



PROF. M. N. NAVALE

तमसो मा ज्योतिर्गमय, Lead us to the light.

Education is light. Education is the way to a larger purpose. As an educationist, almost two decades back, I looked at all that could be corrected in the educational system. Sinhgad Technical Education Society was our humble effort to bring education to more people. Education that they need. Education that they desire for. Education that is now within their reach.

We always put purpose before short term achievements, vision before short-cuts. In two decades we have come a long way. What started as a humble dream is now a revolution. To see over seventy thousand students pursuing their dream in our campuses every year, cannot be explained any better. Everywhere you look, you see a young mind creating a new future for the world. In his fertile imagination, he has no obstacles. He knows there is a guide nearby who will hold his hand if he were to miss a step. He is free to foresee a world better than what you and I have made.

It is this environment of excellence and freedom that we have built into our institutions. Every time I see a child struggling with the complexities of a syllabus, I just say, look deep, it is simple.

In the twelve campuses and our 117 institutes, we have just kept one thing common, a burning ambition. We have come a long way. And what we cultivate in our students, we keep alive for ourselves. The ambition to build India into an educational leader in the world. We walk on, with faith, with commitment and with grace.

Come join us in our march towards light.

## MESSAGE OF VICE PRESIDENT (ADMIN)



Ms. Rachana M. Navale

Some tools shape our destiny.

Passion, expertise, excellence and humility are the hallmarks at Sinhgad Institutes. When you walk through our campuses, at times you would be awed by the sheer energy around you. We take every possible step to continuously outdo ourselves. With some of the best facilities that you have ever experienced in any institution, we just keep moving forward.

Learning deserves a befitting environment. Self contained campuses, at the seat of nature, technology and wisdom having a silent interaction, cultures mingling without semantics, life essaying the king's course. All that you experience when you are here, with us.

We reserve some special favors for the women in our campus. Safety, dignity and opportunity. It deserves a special mention as many educational institutes today do not value this simple basic. Our society grows as far as our leading ladies.

Education is the light, education is the way. It is the tool that alters the path of our lives. At Sinhgad, we hand you this tool with all the accessories. Learning here is not just fun, it is a life-changing experience.

Remember, few choose to walk the road to greatness.

## MESSAGE OF PRINCIPAL



Dr. K. J. Karande  
Principal, SKNSCOE

Dear Students,

I welcome you all to SKN Sinhgad College of Engineering, which is housed in beautiful campus of 20 acres and developed under dynamic leadership of Hon'ble Prof.M.N.Navale. It is fully residential campus with excellent infrastructure and facilities. We ensure the overall development of students through well-defined teaching learning process and skill based activities. Students will have an exposure for experiential learning through value based Education and on campus projects. We, the team of faculty members of SKNSCOE are committed to prepare our students as tomorrow's leaders to match the need of fast changing world. I expect active support from student & parent community to make SKNSCOE as a centre of excellence in Engineering Education. The teaching learning at SKN Sinhgad College of Engineering is student centric based on Learning Psychology and well supported by "Willing to Work" team of faculty members and our highly motivated students. The entire semester activities are planned and displayed at the beginning of semester by well-prepared Academic Calendar. All the departments at SKNSCOE are well equipped with all required hardwares and softwares. The fully fledged library with all required reference books, Journals, periodicals and having reading hall with 400 seating capacity is supporting with qualified staff. The campus has 10 MBPS internet connectivity and also E-Learning facilities are provided. The continuous assessment is based on well-defined internal assessment norms and supported by two unit tests during the semester. We have incorporated LCD presentation, GD, as regular co-curricular activities and performance of these activities are reflected in term work marks. Invited Lectures by experts from industries & academia, Technical Festivals, Workshop, Seminars are the regular activities conducted for overall development of students. Through the process of active Teaching-Learning and activity based learning, we are preparing our students to face tomorrow's challenges in globalized world. To understand academic progress and individual problems, a scheme of Local Guardian Teacher for every 20 students exist in each department and this initiative helps for shaping our students as good human beings. Sinhgad Institutes are having Centralized Placement cell for all Engineering Colleges under Sinhgad aegis and we are confident for 100% Placement of our students at SKNSCOE. Wish you a bright future & success. With warm regards,

# VISION & MISSION

*... The Man with Imagination Is Never Alone*



## VISION

We are committed to transform SKN SCOE, as a leading technological institute in India which offers a dynamic learning environment with value based education through self-learning and innovative thinking in students.



## MISSION

SKN Sinhgad College of Engineering offers a unique culture to enhance Self Esteem, Team Spirit, and Life Skills of students to match the need of fast changing world. The institute focuses on self learning abilities; Project based Learning's through well-defined curricular and co-curricular activities.



# GOALS

### 3. GOALS

SHORT TERM GOALS	LONG TERM GOALS
✓ Post graduate program in Engineering with all disciplines	✓ Center of Excellence in key areas of Engineering Education
✓ Need based in-house value Addition programs in diversified areas	✓ NBA accreditation of the Institute within stipulated time frame
✓ Strong Industry interactions through campus connect programs.	✓ PBL center of excellence
✓ Decentralization of student, academic, research activities	✓ All faculty members with PhD degree
✓ European fellowship for 25 students.	✓ PhD from European university by at least two faculty members from each department
✓ Placement of 100+ students through CPC, pune	✓ Starting of in house incubation center for development of Entrepreneurship
✓ Starting of in house MPSC/UPSC study circle	✓ An ideal self-suffice campus in all respect



# ACTIVITIES

*...It is not what we have, but how we make the best of what we have.*

## 4. ACTIVITIES

Academic Activities	Co-Curricular Activities	Faculty Development And Industry Interface
<ul style="list-style-type: none"> <li>➤ Teaching Plan</li> <li>➤ Self-Learning Sessions</li> <li>➤ Attendance</li> <li>➤ Teacher Guardian Scheme</li> <li>➤ Continuous Assessment</li> <li>➤ Need based in house Training Programs</li> <li>➤ Continuous Up-gradation of Laboratories &amp; library</li> <li>➤ Open Feedback</li> <li>➤ Unit Tests, Prelims</li> <li>➤ Well defined Internal Assessment Scheme</li> </ul>	<ul style="list-style-type: none"> <li>➤ LCD Presentation</li> <li>➤ Group Discussion</li> <li>➤ Departmental Activities</li> <li>➤ Invited talks by Industry Experts/Corporates/ Academicians</li> <li>➤ Technical quizzes/ Technical festivals</li> <li>➤ Industry Projects/ Project exhibitions</li> <li>➤ College/Wall Magazine</li> <li>➤ Social/Cultural Programs/Sport</li> </ul>	<ul style="list-style-type: none"> <li>➤ In-house Training (Personal Interactions, Meetings/quality improvement programs)</li> <li>➤ Industry exposure</li> <li>➤ Participation in workshops conducted by Industries / other institutes of eminence</li> <li>➤ Motivation for higher Education</li> <li>➤ Campus Connect/ extension programs</li> <li>➤ Vocational Training for students/ Industrial visits</li> <li>➤ Training &amp; Placement Activities</li> <li>➤ Seminars &amp; Conferences</li> </ul>

## 5. INTAKE

U. G. Courses		Intake
1	Mechanical Engineering	120
2	Electronics & Telecommunication	60
3	Computer Science & Engineering	60
4	Electrical Engineering	60
5	Civil Engineering	60
P. G. Courses		Intake
1	Design Engineering	18
2	Electronics Engineering	18
3	Structural Engineering	18
4	Computer Science & Engineering	18

## 6. University Results

Sr.no	Class	All Clear result in %				
		Mech	CSE	E&TC	Civil	Elect
1	SE	100	100	100	100	100
2	TE	100	100	100	100	100
3	BE	100	100	100	100	100
4	ME-I	100	100	100	100	-----
5	FE	100				

Following students secured ranks in the university examination


**SKN SINHGAD COLLEGE OF ENGINEERING, KORTI, PANDHARPUR**  
 Tal: Pandharpur, Dist: Solapur. 413304  
**UNIVERSITY RANKERS**  
 NAAC "A" Grade Institute

**Savitribai Phule Shikshan Prasarak Mandal's**

**F. Y. B. Tech**

SGPA 10/10  Kale Tejaswini 90.86%	SGPA 10/10  Nalawade Abhijeet 89.86%	SGPA 10/10  Mali Komal 89.57%	SGPA 10/10  Gholap Pratiksha 88.71%	SGPA 10/10  Boxey Asawari 86.71%
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**Electronics & Telecommunication Engineering**

University Rank 11  Bedre Mayuri (BE) SGPA 9.85 (85.58 %)	University Rank 2  Girija Damodare (TE) SGPA 9.67 (81.58 %)	University Rank 7  Magar Kajal (SE) SGPA 10 (86.75 %)	University Rank 13  Shanta Lokhande (SE) SGPA 10 (83.13 %)	University Rank 14  Supriya Kolekar (SE) SGPA 10 (82.88 %)
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**Electrical Engineering**

University Rank 2  Supriya Awatade (BE) SGPA 9.84 (85.5 %)	University Rank 3  Prashant Pawar (BE) SGPA 9.84 (83.5 %)	University Rank 5  Priya Waljekar (BE) SGPA 9.80 (83 %)	University Rank 6  Vikram Bhosale (BE) SGPA 9.68 (83.13 %)	University Rank 7  Krishana Itake (BE) SGPA 9.68 (82.5 %)	University Rank 8  Balaji Bhosale (BE) SGPA 9.68 (79.75 %)	University Rank 9  Jyotsna Parchande (BE) SGPA 9.64 (83.38 %)	University Rank 10  Aboli Koli (BE) SGPA 9.64 (82.88 %)	University Rank 4  Atul Londhe (SE) SGPA 9.85 (82 %)	University Rank 6  Sarish More (SE) SGPA 9.65 (80.5 %)
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**Mechanical Engineering**

University Rank 8  Nikita Suryavanshi (SE) SGPA 9.60 (82 %)	University Rank 9  Amiket Ohal (SE) SGPA 9.84 (83.5 %)	University Rank 5  Swapnil Shevale (BE) SGPA 9.83 (84.13 %)	University Rank 8  Vaibhav Kolawale (BE) SGPA 9.83 (83.50 %)	University Rank 10  Tejaswi Nagmal (BE) SGPA 9.83 (80.5 %)	University Rank 2  Gouri Tarhe (TE) SGPA 9.84 (88.00 %)	University Rank 3  Rutuja Detha (TE) SGPA 9.84 (86.67 %)	University Rank 5  Pratiksha Adlinge (TE) SGPA 9.84 (82.91 %)	University Rank 9  Rutuja Patil (TE) SGPA 9.76 (84.73 %)	University Rank 4  Amasaheb Londhe (SE) SGPA 10 (85.14 %)
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**Civil Engineering**

University Rank 2  Kale Vaibhav (BE) SGPA 10 (88.47 %)	University Rank 5  Omkar Kaldhone (BE) SGPA 10 (88.00 %)	University Rank 4  Snehal Shinde (BE) SGPA 10 (86.94 %)	University Rank 6  Jyoti Dhole (BE) SGPA 10 (86.94 %)	University Rank 7  Rahul Dhanwade (BE) SGPA 10 (86.71 %)	University Rank 8  Shagufata Shaikh (BE) SGPA 10 (86.59 %)	University Rank 8  Shivali Gadekar (TE) SGPA 9.36 (78.25 %)	University Rank 6  Dipali Gavandhare (SE) SGPA 9.67 (85.65 %)
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**Computer Science & Engineering**

University Rank 2  Komal Raut (BE) SGPA 10 (88.36 %)	University Rank 6  Aishwarya Deshpande (BE) SGPA 9.85 (88.61 %)	University Rank 7  Vaishnavi Kulkarni (TE) SGPA 9.70 (84.91 %)	University Rank 8  Pranav Jare (TE) SGPA 9.70 (84.23 %)	University Rank 3  Sonali Jadhav (SE) SGPA 10 (88.97 %)	University Rank 9  Supriya Lengare (SE) SGPA 10 (86.59 %)
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*Heartily Congratulations to all  
the  
University Rankers  
in Examination 2019-20 Sem-I*



## 7. The Faculty Position

Sr.No.	Department	Professors	Associate Professor	Assistant Professor	Total
1	Mechanical	1	4	39	44
2	Civil	1	0	15	16
3	Electrical	0	0	13	13
4	E&TC	0	2	14	16
5	CSE	0	0	16	16
6	FE	0	1	10	11
<b>Total</b>					<b>116</b>



## 8. PhD Status



### Faculty with Ph. D qualification

DEPARTMENT	No. of Faculty	Faculty with Ph. D	Faculty Pursuing Ph. D
Civil	11	01	06
CSE	13	00	06
E & TC	12	02	10
Electrical	10	00	01
Mechanical	29	04	04
FE	07	02	02
<b>Total</b>	<b>82</b>	<b>09</b>	<b>29</b>

## 9. Journal Publications

Sr. No.	Name of Faculty	Department	Title of Paper	Name of Journal	Volume, Page No, Year
1	A.A.Kambale	CIVIL	Effect of sand Coating with Solution on Bond Strength of Bamboo	IJITEE	IJITEE, Vol.8, Issue 9, p1268-1273 (July 2019)
2	C.P.Pise and G.D.lakade	CIVIL	Analysis and Design of Steel Frame Structures for Rotating Motors	IJERT	IJERT Vol.8, Issue 8, ISSN no.2278-0181, Pp 640-645 (August 2019)
3	Y.P.Pawar	CIVIL	Dynamic response of RCC Silo in Seismic Zone V	IJSRD	Vol.7, Issue 5, ISSN 2321-0613 (July 2019)
4	C.P.Pise	CIVIL	Experimentally Effectiveness of Shear Carrying Capacity of Reinforced Concrete Rectangular Beam by Using Rectangular, Triangular and Spirally Stirrups	IJITEE	IJITEE vol.10, Issue 10 ISSN no. 2278-3075 (July 2019)
5	C.P.Pise	CIVIL	To study Comparison Between RC Frame Structure and Flat Slab Structure with Different Shear Wall Locations	IJSART	IJSART Vol.5, Issue 11 ISSN no.2395-1052 November 2019
6	C.P.Pise	CIVIL	Comparison Between RC Frame Structure and Flat Slab	IJSRD	Vol.7, Issue 10, ISSN no.2321-0613

			Structure with Different Geometrics and Different Shear Wall Locations		(November 2019)
7	C.M.Deshmukh S.S.Kadam	CIVIL	Comparative Study of conventional Braces and Buckling Restrained Braces in Steel Frame Structure	IJERT	Vol.8,Issue11, ISSN no.2278-0181 (November 2019)
8	C.P.Pise Y.P.Pawar G.D.Lakade	CIVIL	Effect of Molarity of NaOH Solution on strength of fly ash based fiber reinforced Geo polymer concrete	IJMTE	Vol.9,Issue 6 ISSN no.2249-7455 (June 2019),Pp 1379-1384
9	Dr. Kailash J Karande	ENTC	A Structural, Morphological and wet ability properties of NANO structured Zn(O,S) Thin Films by SILAR Technique	Journal of NANO and electronic physics Vol-5, No-4, 04001(5pp)	2020
10	Dr. Kailash J Karande	ENTC	Hierarchical flower-like Cu <sub>3</sub> BiS <sub>3</sub> thin film synthesis with non-vacuum chemical bath decomposition technique	IOP Publication, Issue-8, Volume-6 Pages-084013	2019
11	Dr. Kailash J Karande	ENTC	Dimension Measurement of Braze Drilling Tool using Image Processing	International Journal of Recent Engineering Research and Development(IJRERD) Vol-04, Issue-08	2019
12	Prof. A. B. Jagadale	ENTC	Innovative Method to Detect Lens Opacity using Radon Transform	International Journal of Scientific & Technology Research	2019
13	Prof. A. B. Jagadale	ENTC	Characterizing eye lens images using Active shape model, normalization, and Support vector machine to detect cataract	International Journal of Scientific & Technology Research	2019
14	Prof. A. B. Jagadale	ENTC	Active shape model based Correlative assessment of	International Journal of Innovative Technology and	2019

			statistical parameters to detect cataract	Exploring Engineering	
15	Prof. A. A. Rajguru	CSE	A Survey on Searchable Symmetric Encryption and Approach for Multi-Keyword Search Over Encrypted Data on Cloud Server	IJCSMC	2019
16	Prof. A. A. Rajguru	CSE	Multi-Keyword Search System For Multiple Data Owners Over Encrypted Cloud Data With Systematic Ranking	IJRCCE	2019
17	Prof. V. G. Chavan	CSE	Social Innovation through Precision Farming: Leaf Disease Detection System Using IoT	IJRAT	2019
18	Prof. V. G. Chavan	CSE	Social Innovation through Precision Farming: An IoT Based Precision Farming System for Examining and Improving Soil Fertility and Soil Health	IJITEE	2019
19	Prof. S. B. Thigale	CSE	Lightweight novel trust based framework for IoT enabled wireless network communications	PEN	2019
20	Prof. P. R. Gadekar	CSE	Robust and Reliable Multicast Routing Protocol for IoT Enabled Vehicular Wireless Communications	IJAST	2019
21	Prof. V. A.	CSE	Novel Tree based	IJAST	2019

	Dhotre		Efficient Data Aggregation and Dissemination Protocol for IoT enabled Wireless Sensor Networks		
22	Prof. V. A. Dhotre	CSE	Efficient Data Aggregation and Dissemination Protocol for IoT enabled Wireless Sensor Network	IJAST	2019
24	Prof. P. R. Gadekar	CSE	Mobility Aware IoT Enabled Vehicular Wireless Communications Using Clustering Based Multicast Routing	IJAST	2019
25	Prof. S.D.Katekar	MECH	Study of Ergonomic analysis of automobile engine maintenance workstation & suggesting improvements	IOP Material science and Engineering	2020
26	Prof.Dr.S.G.Ku lkarni	MECH	Naturally available Materials and Manufacturing processes for development of Biodegradable Composite	IOP Material science and Engineering	2020
27	Prof.Dr.S.G.Ku lkarni	MECH	Review on mechanical characteristics of A1356 metal matrix composites by reinforced with Boron Carbide	IOP Material science and Engineering	2020
28	Prof. S.D.Katekar	MECH	Probabilistic design of composite leaf spring by using finite element method	IOP Material science and Engineering	2020
29	Prof.	MECH	A systematic	IOP Material science	2020

	S.D.Katekar		ergonomic approach of maintenance workstation	and Engineering	
30	Prof. P.P.Kulkarni	MECH	Probabilistic design of composite leaf spring by using finite element method	IOP Material science and Engineering	2020
31	Prof S.C.Mali	MECH	Study of Ergonomic analysis of automobile engine maintenance workstation & suggesting improvements	IOP Material science and Engineering	2020
32	Prof.S.R.Koli	MECH	A systematic ergonomic approach of maintenance workstation	IOP Material science and Engineering	2020
33	Prof S.C.Mali	MECH	A systematic ergonomic approach of maintenance workstation	IOP Material science and Engineering	2020
34	Prof .B.S.Admile	MECH	Review on mechanical characteristics of A1356 metal matrix composites by reinforced with Boron Carbide	IOP Material science and Engineering	2020
35	Dr. S. G. Deshmukh	General Science	Influence of Molar concentration and temperature on structural , optical, electrical and X-ray sensing properties of chemical grown nickel-bismuth-sulphide (Ni <sub>3</sub> Bi <sub>2</sub> ) thin films	Material Research Express	2019
36	Dr. S. G. Deshmukh	General Science	Preface	IOP Conf. Ser.: Mater. Sci. Eng.	2020
37	Dr. S. G. Deshmukh	General Science	Synthesis and Characterization of Copper Indium Gallium Diselenide (CIGS) Nano-	J. Nano-Electron Phys.	2020

			Crystalline Powder using SPEX Mill		
38	Dr. S. G. Deshmukh	General Science	Preface	J. Nano-Electron Phys.	2020.
39	Dr. S. G. Deshmukh	General Science	Enhanced Heating ability of Fe-Mn-Gd Nanopartic for Fluid Hyperthermia	Jr. Materials Science: Materials in Electronics	2020

## 10. Workshops/Seminar Conducted by Department

Sr.No.	Department	Title of STTP/workshop	Date
1	CIVIL	Webinar on Contribution of building Chemicals in Building Performance organised by Ultratech Cement and Cement Connections	29 <sup>th</sup> January 2020
2	CIVIL	Workshop on "ICT for Development"	07 <sup>th</sup> November 2019 to 11 <sup>th</sup> November 2019
3	CIVIL	Workshop Total Station	07 <sup>th</sup> September 2019
4	CIVIL	Workshop on Concrete Mix Design	26 <sup>th</sup> September 2019 to 27 <sup>th</sup> September 2019
5	ENTC	Guest Lecture on, "Industrial Automation (Special Purpose Machine Development)"	24/07/2019
6	ENTC	Guest Lecture on, "Advances in Embedded System"	22/08/2019
7	ENTC	One day workshop on "C Programming"	20/09/2019
8	ENTC	One day workshop on "Design and Testing with Eagle"	30/09/2019
9	ENTC	Three day's workshop on, "Internet of Things and Its applications-workshop"	4/10/2019-6/10/2019
10	ENTC	Guest Lecture on, "New trends in Electronics-Electric Vehicle"	04/02/2020
11	ENTC	One day workshop on, "Model Based Software Development using Simulink and State flow"	14/02/2020
12	ENTC	One Day seminar on "Cyber Security"	26/02/2020
13	ENTC	One Week Online Faculty Development Program on "Python"	18/05/2020 to 23/05/2020

14	ELE	IoT and its Applications	30-12-2019
15	CSE	One Day Workshop on Linux	23 /08/2019
16	MECH	Advanced Optimization Tools & Techniques for researchers & Engineers	23th May -27th May 2020
17	MECH	Reinventing Research: Role of IPR for revenue generation	9th June 2020
18	MECH	Quality Research Paper Writing, Publication and Research Methodology	22nd June-23rd June 2020

## 11. Workshops Attended by Faculty

Sr.No.	Department	Title of the professional development programme	Number of teachers who attended	Date and Duration (from – to)
1	CIVIL	Workshop on "ICT for Development"	09	07-11-2019 TO 11-11-2019
2	CIVIL	Research Methodology NPTEL	03	12 Weeks
3	CIVIL	Sustainable Materials and Green Buildings NPTEL	02	12 Weeks
4	CIVIL	SDOF NPTEL	01	12 Weeks
5	CIVIL	Applications of Engineering Mechanics	10	12 Weeks
6	CIVIL	Introduction to Engineering Mechanics	10	12 Weeks
7	CIVIL	Introduction to Acoustics	01	12 Weeks
8	CIVIL	Engineering Systems in Motion: Dynamics of Particles and Bodies in 2D Motion	01	12 Weeks
9	CIVIL	Mechanics of Material IV: Deflections, Buckling, Combined Loading and Failure Theory	01	12 Weeks
10	CIVIL	Mechanics of Material II: Beam Bending	01	12 Weeks
11	CIVIL	NBA Accreditation and Teaching-Learning in Engineering	03	12 Weeks
12	ENTC	Orientation Programme for DSE	03	25/09/2019
13	ENTC	One day workshop on, "Esim"	07	21/09/2019
14	ENTC	Two days Webinar on "Research Paper Writing & Intellectual Property Rights" Organized by Department of E&TC, RIT, Rajaramnagar in association with IEEE Bombay Section & IETE Student Chapter	02	18/05/ 2020 to 19/05/ 2020
15	ENTC	Online FDP on "Data Science & IoT" organized by SECAB Institute of Engineering & Technology ,Karnataka in Association with ISTE	01	09/06/2020 to 13/06/2020
16	ENTC	One Week Online FDP on	01	07/05/2020

		“Research, Funding Project & IPR” jointly organized by IQAC, R& D Cell & Dept of E&TC under the banner of IETE & IIC of K.C. College of Engg & Management Studies & Research, Thane, Mumbai		to 10/05/2020
17	ELECTRICAL	Industrial Smart Automation,Control & Advance Solar Technology System	10	16 Dec to 20 Dec 2019
18	ELECTRICAL	Problem Based Learning	2	02 Dec to 06 Dec 2019
19	ELECTRICAL	Modelling & Real Implementation of Electrical System	1	04 Nov to 09 Nov 2019
20	ELECTRICAL	Microgrid Opportunity:RES & Buildings	1	16 June to 20 June 2020
21	ELECTRICAL	ARTIFICIAL INTELLIGENCE	1	22 May-26 May 2020
22	ELECTRICAL	Design of Solar PV System Using PVSYST Software	1	09 June to 13 June 2020
23	ELECTRICAL	Promoting Quality Cultuer In Technical Institutions	1	25 May to 29 May 2020
24	ELECTRICAL	Engineering Education and & the Industry : A Post COVIDE 19	1	1 June -5 June 2020
25	ELECTRICAL	Electrical Design,Contracting& Energy Bill Calculation	5	9 May - 11 May 2020
26	ELECTRICAL	Machine Learning and Deep learning Application in Engineering and Science	1	16 May - 20 May 2020
27	ELECTRICAL	Modern Trends in Electricals Drives	5	19 May -23 May 2020
28	ELECTRICAL	Virtual Lab use for Electrical Machine& PLC	1	15 June - 16 June
29	ELECTRICAL	Cutting -Edge Technologies for Electrical Engineering	7	18 May-22 May 2020
30	ELECTRICAL	SCILAB-An open source Sustitute for MATLAB	2	25 May-30-May 2020
31	ELECTRICAL	Power Quality & Reactive Power Management	1	1June -5 June 2020
32	ELECTRICAL	Artificial Intelligence	1	22 May-26 May 2020
33	ELECTRICAL	Outcome Based Education	3	11 May-15 May 2020
34	ELECTRICAL	Research Paper & Project Proposal Writing	4	15 May-16 May 2020

35	ELECTRICAL	“Technological Advances in PowerSwitching Converters for Renewable Energy Sources and Fuel Cell Technology for E-vehicles”	4	01 June -05 June 2020
36	ELECTRICAL	Promoting Quality Culture in Technical Institutions	2	25 May-29 May 2020
37	ELECTRICAL	Paradigm Shift in Higher Education Institute Opportunitie & Challenges	1	1 June -12 June 2020
38	ELECTRICAL	R -Proframming	1	30April -5May 2020
39	ELECTRICAL	Deign & Development of Electric & Hybrid Electric Vehicle Technology	1	12 May-16May 2020
40	ELECTRICAL	Advances and Research Opportunities in E&TC Engineering "	1	10 June -14 June 2020
41	CSE	Cyber Security	14	16th – 21st December 2019
42	CSE	R-Programming	13	30th April – 4th May 2020 30th April-
43	MECH	NBA Accreditation and Teaching-Learning in Engineering	8	Jan-April 2020 (12 Week)
44	MECH	IC Engines and gas turbines	1	Jan-April 2020 (12 Week)
45	MECH	Moodle Learning Management System	2	25/04/20 to 30/04/20 (1 Week)
46	MECH	Scilab	01	29/04/20 to 4/05/2020 (1 Week)
47	MECH	R- Programming	01	30/04/20 to 5/05/2020 (1 Week)
48	MECH	Enhancing Student Connect & Presentation Skills	01	01/05/2020 (1 Day)
49	MECH	Latest Developments in Mechanical Engineering	01	04/05/2020 to 9/05/2020 (1 Week)
50	MECH	Enhancing Student Connect & Presentation Skills	08	06/05/2020 (1 Day)

51	MECH	Overcomming the challenges in adapting online technology in teaching learning	01	06/05/2020 to 11/05/2020 (1 Week)
52	MECH	Cognizant's Faculty developemt Programme	01	07/05/2020 (1 Day)
53	MECH	Q-CAD	01	09/05/2020 to 13/05/2020 (5 Days)
54	MECH	Faculty Awareness Program on NAAC Accreditation	03	10/05/2020 to 15/05/2020 (1 Week)
55	MECH	“NAAC Revised Accreditation Framework 2020”	01	11/05/2020 to 15/05/2020 (1 Week)
56	MECH	OUTCOME BASED EDUCATION: A STEP TOWARDS EXCELLENCE	11	11/05/2020 to 15/05/2020 (1 Week)
57	MECH	Design And Development Of Electric And Hybrid Electric Vehicle Technology	01	12/05/2020 to 16/05/2020 (5 Day's)
58	MECH	Moodle: Learning Management System	02	13/05/2020 to 17/05/2020 (1 Week)
59	MECH	FDP 2.0 by Northstorm Acadmey	01	13/05/2020 to 14/05/2020 (2 Day's)
60	MECH	Renewable Energy Sources- A way ahead	01	15/05/2020 to 21/05/2020 (1 Week)
61	MECH	Research Paper & Project Proposal Writing	01	15/05/2020 to 16/05/2020 (2 Day's)
62	MECH	Machine Learning and Deep Learning Applications in Engineering & Science”	01	16/05/2020 to 20/05/2020 (1 Week)
63	MECH	Asdvanced trends in engineering	06	19/05/2020 to 23/05/2020 (1 Week)
64	MECH	Research paper writing and intellectual property rights	01	19/05/2020 to 20/05/2020

				(2 Day's)
65	MECH	Materials for Thermal and Renewable Energy Research	02	20/05/2020 to 24/05/2020 (5 Day's)
66	MECH	Research Methodology	01	20/05/2020 to 25/05/2020 (1 Week)
67	MECH	Artificial Intelligence	01	22/05/2020 to 26/05/2020 (5 Day's)
68	MECH	Promoting Quality Culture in Technical Institutions	01	25/05/2020 to 29/05/2020 (1 Week)
69	MECH	Scilab-An open source Substitute fro MATLAB	02	25/05/2020 to 30/05/2020 (1 Week)
70	MECH	Emerging Technologies in Robotics	02	26/05/2020 to 30/05/2020 (5 Day's)
71	MECH	Lean six sigma	02	26/05/2020 to 31/05/2020 (1 Week)
72	MECH	Advanced Material Charactrization Technique	01	28/05/2020 to 30/05/2020 (3 Day's)
73	MECH	Research opportunities and challenges in manufacturing sector	06	01/06/2020 to 06/06/2020 (1 Week)
74	MECH	Recent Trends in Automobile	01	01/06/2020 to 03/06/2020 (3 Day's)
75	MECH	Emerging trends in refrigeration & air conditioning	01	01/06/2020 to 06/06/2020 (1 Week)
76	MECH	Futuristic Technologies in Mechanical Industries	06	05/06/2020 to 09/06/2020 (1 Week)
77	MECH	NBA preparation & CO-PO mapping	02	28/06/2020 (1 Day)
78	FE	NBA Accreditation and Teaching-Learning in Engineering(NATE)	04	1 <sup>st</sup> Jan. to 30 <sup>th</sup> April 2020
79	FE	Cyber Security	02	16 <sup>th</sup> Dec. to 21 <sup>th</sup> Dec.

				2019
80	FE	Moodle Learning Management System	02	10 <sup>th</sup> June to 15 <sup>th</sup> June 2020
81	FE	Outcome based Education: A Step Towards Excellence.	02	11 <sup>th</sup> May to 15 <sup>th</sup> May 2020
82	FE	Improving Teaching Learning Experience using Best Practices	02	15 <sup>th</sup> June to 19 <sup>th</sup> June 2020
83	FE	Water Pollution and Health	01	21 <sup>st</sup> Oct to 25 <sup>th</sup> Oct 2019
84	FE	R-Programming	01	30 <sup>th</sup> April to 5 <sup>th</sup> May 2020
85	FE	Digi-Tech Learning	01	18 <sup>th</sup> May to 22 <sup>nd</sup> May 2020
86	FE	Emerging Trends in Industry 4.0	02	18 <sup>th</sup> May to 29 <sup>th</sup> May 2020
87	FE	Promoting Quality Culture in Technical Institutions	01	25 <sup>th</sup> May to 29 <sup>th</sup> May 2020
88	FE	Induction Training	01	25 <sup>th</sup> May to 29 <sup>th</sup> May 2020
89	FE	Moodle Learning Management System	01	26 <sup>th</sup> May to 30 <sup>th</sup> May 2020
90	FE	Comprehensive Quality Initiatives for Higher Education in Pandemic Era.	02	26 <sup>th</sup> May to 30 <sup>th</sup> May 2020
91	FE	Evolution from Offline to Online Teaching.	01	30 <sup>th</sup> May to 3 <sup>rd</sup> June 2020
92	FE	Skilling Teachers for Online Education.	02	2 <sup>nd</sup> June to 6 <sup>th</sup> June 2020
93	FE	Air Pollution – a Global Threat to our Health	01	11 <sup>th</sup> May to 15 <sup>th</sup> June 2020
94	FE	Leadership and Emotional Intelligence	01	11 <sup>th</sup> May to 15 <sup>th</sup> June 2020
95	FE	Mind Control: Managing Your Mental Health During COVID-19	01	10 <sup>th</sup> May to 16 <sup>th</sup> June 2020
96	FE	Mathematical Modelling and Numerical Techniques	01	9 <sup>th</sup> Dec. to 13 <sup>th</sup> Dec. 2019
97	FE	Matrix Method	01	14 <sup>th</sup> May to 18 <sup>th</sup> June 2020
98	FE	Introduction to Calculus	01	21 <sup>st</sup> May to 25 <sup>th</sup> June 2020

99	FE	Webinar Series	01	21 <sup>st</sup> May to 26 <sup>th</sup> May 2020
100	FE	Technical Teachers Training	01	22 <sup>nd</sup> May to 27 <sup>th</sup> May 2020
101	FE	Promoting Quality Culture in Technical Institutions	01	25 <sup>th</sup> May to 29 <sup>th</sup> May 2020
102	FE	Outcome Based Education and NBA Accreditation Process	02	8 <sup>th</sup> June to 12 <sup>th</sup> June 2020
103	FE	Presentation Skills Designing Presentation Slides	01	11 <sup>th</sup> May to 15 <sup>th</sup> June 2020
104	FE	Problem Based Learning	01	1 <sup>st</sup> June to 5 <sup>th</sup> June
105	FE	The 3D Printing Revolution	01	6 <sup>th</sup> May to 2 <sup>nd</sup> June 2020
106	FE	Online Faculty Development Program on Moodle Learning Management System	01	25 <sup>th</sup> May to 30 <sup>th</sup> May 2020
107	FE	Reagents in Organic Synthesis	01	1 <sup>st</sup> July to 31 <sup>st</sup> Oct.2019
108	FE	Calculus of several variables	01	1 <sup>st</sup> Jan. to 30 <sup>th</sup> April2019
109	FE	Calculus of one real variables	01	1 <sup>st</sup> August to 31 <sup>st</sup> Oct.2019



## 12. Research and Development

Sr.No.	Department	Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
1	CIVIL	Major projects	NA	NA	NA	NA
2	CIVIL	Minor Projects	NA	NA	NA	NA
3	CIVIL	Interdisciplinary Projects	NA	NA	NA	NA
4	CIVIL	Industry sponsored Projects	1 YEAR	RA Associates Chinchwad Pune and Bal Kumbhar Associates Pandharpur	9000/-	9000/-
5	CIVIL	Projects sponsored by the University/ College	NA	NA	NA	NA
6	CIVIL	Students Research Projects <i>(other than compulsory by the College)</i>	NA	NA	NA	NA
7	CIVIL	International Projects	NA	NA	NA	NA
8	ELECTRIC AL	Major projects	1 Year	Unnat Bharat Abhiyan, Government of INDIA	50,000/-	2019-20
9	ELECTRIC AL	1 Year	Bhakt Nivas, Pandharpur	In Progress	2019-20	1 Year
10	CSE	Projects sponsored	12 months	PAHSUS, Solapur	70,000/-	2019-2020

		by the University/ College				
11	CSE	SINHGAD HACKATHON	24 Hours Hackathon Coding Competition	9 Alumni Sponsored	15,000/-	2019-2020ad2019
12	MECH	Industry sponsored Projects	2019-20	Shrinath Enterprises and welding works	20000	Material and Equipment facility of Rs.20000
13	MECH	2 Day National Level workshop on Research Methodology	2 days	PAHSUS	9000/-	2019-2020
14	MECH	One Researcher & Engineer's	5 days	PAHSUS	7500/-	2019-2020
15	MECH	One week STTP on "Recent Trends in Heat Exchangers"	5 days	PAHSUS	7500/-	2019-2020
16	MECH	Sustainable Innovations in Civil and Mechanical Engineering <a href="http://icsicme.sknscoe.ac.in">http://icsicme.sknscoe.ac.in</a>	3 days	PAHSUS	12000/-	2019-2020
17	MECH	Smart Materials and Nanotechnology (rcsMN -	3 days	PAHSUS	12000/-	2019-2020

		2020) January, <a href="http://icsmn.sknscoe.ac.in">http://icsmn.sknscoe.ac.in</a>				
18	MECH	Unnat Bharat Abhiyan	1 year	MHRD & IIT Delhi	50000/-	2019-2020



### 13. Value Addition Program (VAP)

Sr.No.	Department	Value added courses	Date of introduction	Number of students enrolled
1	CIVIL	Workshop on AUTO-CAD	11 <sup>th</sup> , 12 <sup>th</sup> , 18 <sup>th</sup> , 19 <sup>th</sup> and 25 <sup>th</sup> January 2020	61
2	CIVIL	Workshop on STAAD-PRO	08 <sup>th</sup> January 2020 to 12 <sup>th</sup> January/2020	58
3	CIVIL	STP on Water CAD/Water GEMS	08 <sup>th</sup> January 2020 to 12 <sup>th</sup> January/2020	25
4	CIVIL	Workshop on E-TAB	23 <sup>rd</sup> December 2019 to 28 <sup>th</sup> December 2019	30
5	CIVIL	Campus Recruitment Training Program	01 <sup>st</sup> July 2019 to 11 <sup>th</sup> October 2019	71
6	CIVIL	Aptitude (Quantitative, Logical)	01 <sup>st</sup> July 2019 to 11 <sup>th</sup> October 2019	59
7	CIVIL	Aptitude Test Series	01 <sup>st</sup> July 2019 to 11 <sup>th</sup> October 2019	75
8	ENTC	Aptitude Training Programme	08/01/2020	14
9	ENTC	IOT and its Applications	30/12/2019	14
10	ENTC	Fundamentals of Python	21/12/2019	15
11	ENTC	One day workshop on "Programming & Customizing using AVR Controller"	20/08/2019	20
12	ENTC	Guest Lecture on "CMOS Analog Circuit Design"	09/09/2019	29
13	ENTC	Guest Lecture on, "PLC Logic Development and	31/01/2020	44

		Application”		
14	ENTC	Guest Lecture on, “PSoC”	24/02/2020	14
15	ELECTRICAL	IoT and its Applications	30-12-2019	19
16	CSE	Web development- HTML , CSS, Javascript, AngularJS , NodeJS	10/01/2020 to 12/01/2020 & 18/01/2020 to 19/01/2020	29
17	CSE	Python	15/06/2020 to 19/06/2020	30
18	MECH	C/C++ Programming	21 /12/2019 to 31/12/2019 (60Hrs)	38
19	MECH	Pro-E	21 /12/2019 to 31/12/2019 (60Hrs)	20
20	MECH	CATIA	21 /12/2019 to 31/12/2019 (60Hrs)	26
21	MECH	Lean Manufacturing	21 /12/2019 to 24/12/2019 (24 Hrs)	18
22	MECH	ANSYS	21 /12/2019 to 31/12/2019 (60Hrs)	22

## 14. Guest Lectures Arranged For Students

Department	No. of guest lectures arranged	Number of Students attended
Civil	08	698
CSE	06	451
E & TC	06	184
Electrical	05	426
Mechanical	06	702
FE	01	100
Total	32	2561

Sr. No.	Guest Lecture Speaker	Date & Time	Topic	Students Attended
<b>Civil</b>				
1	Mr. Nandkumar Dhupade Small Scale Entrepreneur	2 <sup>nd</sup> July 2019	Personality Development and Qualities of an Entrepreneur	117
2	Mr. Kashinath Bhatgunaki Motivational Speaker	2 <sup>nd</sup> August 2019	Opportunities in Government sector & Preparations for it	110
3	Mr. Gadam Shripad TEJ foundation	6 <sup>th</sup> September 2019	Stress Management	62
4	Dr. S. T. Mali PCCOE, Pune	11 <sup>th</sup> Sept. 2019	Advances in Waste Water Treatment	139
5	Mr. Bharat Dhobale, Consultant Civil Engg.	17 <sup>th</sup> January 2019	Practices in Civil Engineering	60
6	Mr. Nagesh Kokare Chief Executive Officer	24 <sup>th</sup> January 2020	Role of Banking System in Capital Rising For Business	54
7	Team of Ultratech Cement and Cement Connections	29 <sup>th</sup> January 2020	Webinar on Contribution of building Chemicals in Building performance	58

8	Mr.Akshay Sarade GR Infrastructre Pyt. Ltd.	3 <sup>rd</sup> February 2020	Alumni Interaction Session	98
<b>Computer Science and Engineering</b>				
1	Dr. P. J. Kulkarni	27 <sup>th</sup> July 2019	Data Science	110
2	Prof. Pramod Deshmukh	30 <sup>th</sup> Sept. 2019	Google Cloud & Certification	72
3	Dr. Vijay Sonawane	3 <sup>rd</sup> October 2019	Project Management	97
4	Dr. S. P. Jadhav	3 <sup>rd</sup> October 2019	Recent Trends in IT	46
5	Prof. Siddeshwar Patil	24 <sup>th</sup> January 2020	High Performance Computing	62
6	Dr. Joanne Gomes	30/01/2020	Internet of Things	64
<b>Electronics and Telecommunication</b>				
1	Er. Navnath Takale	24 <sup>th</sup> July 2019	Industrial Automation (Special Purpose Machine Development)	22
2	Prof P. B. Borole	20 <sup>th</sup> August 2019	Advances in Embedded System	35
3	Dr. B. P. Ladgaonkar	9 <sup>th</sup> September 2019	CMOS Analog Circuit Design	29
4	Er. Yogesh Basutkar	31 <sup>st</sup> January 2020	PLC Logic Development and Application	44
5	Mr. Anand Thakkar	4 <sup>th</sup> February 2020	Electric Vehicle	40
6	Dr. B. P. Ladgaonkar	24 <sup>th</sup> February 2020	PSoC	14
<b>Electrical</b>				
1	Dr. Mohan Kolhe	5 <sup>th</sup> August 2019	Smart Grid and Renewable Energy Sources	TE,BE (108)

2	Mr. Jayant Joshi	27 <sup>th</sup> Sept. 2019	Protection of Switchgear Equipment	TE,BE (112)
3	Prof. H. D. Korade	9 <sup>th</sup> October 2019	Testing of DC Machines	SE,TE (94)
4	Mr. Anant Thakar	4 <sup>th</sup> February 2020	Electrical Vehicles	SE (41)
5	Mr. Arif Shaikh	14 <sup>th</sup> February 2020	Solar Panel installation and Commissioning	TE, BE (71)
<b>Mechanical</b>				
1	Mr. Mahesh Wagh	19 <sup>th</sup> July 2019	Energy Conservation	BE-122
2	Avinash K. Lavnis	25 <sup>th</sup> July 2019	Project And Placement	BE-140
3	Dr.Mohan Kolhe	5 <sup>th</sup> August 2019	Energy audit and conservation	BE-120
4	Mr.S.A.Jeurkar	23 <sup>rd</sup> August 2019	Non Ferrous Metals and Alloys	TE-120
5	Mr.S.A.Jeurkar	20 <sup>th</sup> Sept. 2019	Manufacturing Processes	SE-90
6	Ms. Ashwini Kirgat	23 <sup>rd</sup> Sept. 2019	MPSC Examination Guidance	SE- 110
<b>First Year Engineering</b>				
1	Prof. I. I. Mujawar, N. K. Orchid College of Engineering and Technology, Solapur	21st August 2019	Discover yourself & Developing Success Habits, Goal Setting & Time Management, Smart Study Techniques	100

## 15. Field / Industrial Projects for Students

Department	No. of Projects	No. of Students Enrolled for project	No. of Industries Sponsoring the Project
Civil	01	06	01
CSE	02	02	02
E & TC	01	01	01
Electrical	02	08	02
Mechanical	02	08	02
<b>Total</b>	<b>08</b>	<b>25</b>	<b>08</b>

## 16. Professional Activities of Students

### a. Professional Societies etc.

Name of Professionals Society / Chapters etc	No of Student Members	Activities
<b>CSE</b>		
IEI	143	Workshop and Seminar
<b>E &amp; TC</b>		
IETE	220	Workshops and Guest Lecture

### Departmental Associations:

Sr. No.	Department	Name of Club/Association	No. of Students Participants	Activities
1	Civil	CESA	486	1. Apti-Tech (3/08/2019) 2. Seminar on Modular planning and architectural design of building (24/08/2019) 3. Sparx 2k19 (07/09/2019) 4. Workshop on advanced concrete mix design (14/09/2019)
2	CSE	ACSES	407	1. Hackathon-1 (20-21 Sept. 2019) 2. TechnoZeal (25/01/2020) 3. Hackathon-2 (14-15 Feb. 2020)
3	E & TC	ETELSA	306	1. Design and Testing with Eagle (30/09/2019) 2. Workshop on Programming and Customizing using AVR (20/08/2019) 3. Workshop on IoT and its Applications (4-6 Oct. 2019) 4. Virtual Campus (28-29 Sept. 2019)
4	E & TC	Innovation	40	Workshop on C program (20/09/2019)
5	Electrical	EESA	250	1. Best Entrepreneur Development Plan (27/07/2019) 2. Electrika 2k19 (14/09/2019) 3. Debate and Essay Writing Competition (01/02/2020)
6	Mechanical	MESA	400	1. Speech Competition (24/08/2019) 2. Resume writing Competition (24/08/2019) 3. Technical Quiz Competition (27/09/2019) 4. Essay Writing (27/09/2019) 5. Resonance (29/02/2020)

## 17. Student Clubs at Institute

Sr. No.	Name of Club	No. of Students Participants	Activities
1	Ab-Initio Club	110	Soft skill and Personality Development, Campus recruitment Activities
2	Techkno Club	50	General Quiz, Current Affairs, Business News presentation, Career options
3	MPSC/UPSC Club	80	Organization of Guest Lectures, Study Centre,
4	Savitribai Phule Girl's Forum	385	Self Defense, Yoga and Guest Lectures

## 18. Students Internship and Industrial Visits

### a. Students Internship

Department	No. of Students completed Internship
Civil	129
CSE	63
E & TC	50
Electrical	69
Mechanical	250
<b>Total</b>	<b>561</b>

### b. Internships of 2 weeks

Department	Class/Course	No. of Students for Internship	Period
Civil	TE	59	2 week
	BE	70	2 week
CSE	BE	63	2 week
E & TC	TE	14	2 week
	BE	36	2 week
Electrical	BE	69	2 week
Mechanical	BE	202	2 week
	TE	48	2 week

**c. Industrial Visits**

<b>Department</b>	<b>No. of Industrial visits</b>	<b>No of students visited</b>
Civil	7	427
CSE	2	86
E & TC	1	24
Electrical	6	266
Mechanical	10	413
<b>Total</b>	<b>26</b>	<b>1216</b>

## 19. List of Technical Magazines, News Letters etc.

Title of Magazine / News Paper	Date of Publication
Advik (College Magazine-Awarded by PAHSUS)	January 2020
Souvenir International conference(s) on: 1. Smart Materials and Nanotechnology (ICSMN-2020) 2. Sustainable Innovations in Civil and Mechanical Engineering (ICSICME- 2020) 3. Innovations in Computer, Electrical and Electronics Engineering (ICICEEE- 2020)	January 2020
Journal of Nano and Electronic Physics (Selected papers from ICSMN-2020) Volume-12, Issue-2	Under Process
IOP Conference Series: Material Science and Engineering (Selected papers from ICSICME-2020) Volume-814	Under Process
News Letter (Department wise)	October 2019
<b>Total- 09</b>	

## 20. Placement, Higher Studies and Self Employment

Sr.no	Year	2019-20	2018-19	2017-18
<b>Civil</b>				
i	Total No. of students placed including off campus	11	29	22
ii	No. of students going for higher studies	9	06	06
iii	No. of students self employed	4	04	02
iv	Total ( I + ii + iii)	24	39	30
v	Total students in final year	81	80	77
vi	%placement =i+ii+iii/ v	29.82	47.5	38.91
<b>CSE</b>				
i	Total No. of students placed including off campus	33	35	35
ii	No. of students going for higher studies	0	1	2
iii	No. of students self employed	0		
iv	Total ( I + ii + iii)	33	36	37
v	Total students in final year	64	66	74
vi	%placement	51.56	54.54	50.00
<b>E &amp; TC</b>				
i	Total No. of students placed including off campus	10	25	37
ii	No. of students going for higher studies	0	4	6
iii	No. of students self employed	0	0	0
iv	Total ( I + ii + iii)	0	29	43
v	Total students in final year	40	55	56
vi	%placement	25.00	52.72	76.78
<b>Electrical</b>				

i	Total No. of students placed including off campus	10	29	35
ii	No. of students going for higher studies	00	00	00
iii	No. of students self employed	00	01	00
iv	Total ( I + ii + iii)	10	30	35
v	Total students in final year	69	75	66
vi	%placement	14.49	40	53.03
<b>Mechanical</b>				
i	Total No. of students placed including off campus	31	179	123
ii	No. of students going for higher studies	-	11	9
iii	No. of students self employed	-	-	02
iv	Total ( I + ii + iii)	31	190	134
v	Total students in final year	202	248	225
vi	%placement	15.35	76.61	59.55

## 21. Students Training Programme (I to VII)

### FE to BE

Sr. No.	STP	Semester	Course Name	In-house Faculty Name
1.	STP-I	FE-I	Basic English	Dr. R. N. Badage
2.	STP-II	FE-II	Practical English	Dr. R. N. Badage
3.	STP-III	SE-I	Aptitude Training (Quantitative, Logical)	Mr. I. N. Pirjade Mr. S.S. nagane Mr. M.D. Joshi
4.	STP-IV	SE-II	Aptitude & PDSS (Quantitative, Logical, Verbal)	Mr. I. N. Pirjade Mr. S.S. nagane Mr. M.D. Joshi Dr. R. N. Badage
5.	STP-V	TE-I	Aptitude Training (Quantitative, Logical)	Mr. VinayakPatil
6.	STP-VI	TE-II	Aptitude & PDSS (Quantitative, Logical, Verbal)	Mr. VinayakPatil Dr. R. N. Badage
7.	STP-VII	BE-I	Campus Recruitment training programme (CRTP )	Dr. R. N. Badage

## 22. Campus Recruitment training programme (CRTP)

**For TE- Sem II**

Sr. No.	Activity	In-house Faculty Name
1.	GD/ Extempo	Mr. D. V. Koshti Mr. S. S. Patil Mr. H. S. Deshpande Mr. B. S. Admle Mr. A.S.Kulkarni Mr. A.A. Kambale
2.	GD/ Debate	
3.	Quantitative Aptitude, Logical Test	
4.	Eassy Writing/ Email Writing	
5.	Resume Preparation & Personal Interview	
6.	English Verbal Test	
7.	JAM (JUST A MINUTE) / EXTEMPO/ TCS ION CERTIFICATION	
8.	Computer Literacy Workshop On Word, Excel, Outlook, Power-point etc.	
9.	Computer Literacy & C Programming Objective Test	
10.	Registration for TCS NQT, Infosys, GEMS etc.	
11.	Pseduo Code Test	

## 23. Software Programming Training

For TE- Sem II

Sr. No.	Activity	In-house Faculty Name
1.	Syntax variation to C, C++, Java, Python Data types in Python and internal conversion Commands and comments Operators Arithmetic Logical Comparison Bitwise Membership Pointers Arrays (each in details, with functions operation, and comparison) Lists Tuple Set Dictionary Decision making, Loops String operation Mathematical predefined functions (similar to math.h) Functions: - predefined user defined, parameterized, return, etc. (For general OS and for embedded)	Mr. N.M. Sawant  Mr. S. S. Ingole  Mr. D. V. Koshti  Ms. S. V. Koratkar  Mr. M. B. Kulkarni

## 24. List Only Major Activities with Achievements

Sr. No.	Name of students	Activity	Achievements
1	Dhanwade Rahul	GATE 2020 (Civil)	Qualified
2	Gavali Abhijit	GATE 2020 (Civil)	Qualified
3	Aniket Patil	GATE 2020 (Mechanical)	Qualified
4	Sandip Chikane	GATE 2020 (Mechanical)	Qualified
5	Revati Nakate	Technical Lekh	2 <sup>nd</sup> Rank
6	Ashwarya Mankeshwar	Painting	3 <sup>rd</sup> Rank
7	Sushama Ghodake	Drawing	1 <sup>st</sup> Rank
8	Uma Gaikwad	Photography	2 <sup>nd</sup> Rank
9	Rutuparna Lawand	Hindi Interview	2 <sup>nd</sup> Rank
10	Basavraj Patil	Hindi Lekh	1 <sup>st</sup> Rank
11	Pooja Kilaje	Kannad (Lalit Sahitya)	2 <sup>nd</sup> Rank
12	Ajit Rathod	Kannad (Lalit Sahitya)	3 <sup>rd</sup> Rank
13	Pradyumn Shinde	Vidhi Section	2 <sup>nd</sup> Rank
14	Rohan Deshmukh	Hindi Interview	2 <sup>nd</sup> Rank
15	Rutuja Dethe	English	3 <sup>rd</sup> Rank
16	Swapnil Survase	Hindi	3 <sup>rd</sup> Rank
17	Ajit Rothod	Literature	2 <sup>nd</sup> Rank
18	Vishal Navale	Marathi Lekh	2 <sup>nd</sup> Rank
19	Gayatri More	Marathi Interview	1 <sup>st</sup> Rank
20	Rohan Deshmukh	Hindi Lalit Lekh	1 <sup>st</sup> Rank
21	Arbaj Shaikh	Marathi Interview	1 <sup>st</sup> Rank
22	Amruta Kulkarni	Sanskrit Lalit Lekh	2 <sup>nd</sup> Rank
23	Rohan Kasabe	Sanskrit Lalit Lekh	1 <sup>st</sup> Rank
24	Sumit Ingole	Science Lekh	2 <sup>nd</sup> Rank
25	Uma Gaikwad	State Level Loksatta Speech Competition	Runner
26	Omkar Mane	Avishkar 2k19 (University Level)	Runner (Shortlisted for State-level Project Exhibition in UG Category)
27	Pratik Kulkarni	Avishkar 2k19 (University Level)	Runner (Shortlisted for State-level Project Exhibition in PG Category)

Civil			
Sr.No.	Name of students	Activity	Achievements
1	Rajkumar Chavan and Aniket Karmalkar	Trusso (Spectrum 2K19)	Winner
2	Ankita Pande and Prashant Pawar	Trusso (Spectrum 2K19)	Runner
CSE			
Sr. No.	Name of students	Activity	Achievements
1	1.Snehal Gaikwad 2.Vaibhavi Kulkarni 3.Anuja Mulay 4.Aishwarya Sangade 5.Seema Zimal 6.Vaishanvi Kavathe	Sinhgad Hackathon 2020 Even Sem SKN Sinhgad College of Engineering, Pandharpur State Level	Winner
2	1.Aman Singh 2.Sumedh Kulkarni 3.Pranav Tare	Sinhgad Hackathon 2020 Even Sem SKN Sinhgad College of Engineering, Pandharpur State Level	Runner Up
3	1.Tushar Nimbalkar 2.Sagar Pandhare 3.Abhijit Hingale 4.Pranav Sonalkar	Sinhgad Hackathon 2020 Even Sem SKN Sinhgad College of Engineering, Pandharpur State Level	Runner Up
4	1.Vishal Lawate 2.Sagar Pandhare 3.Sushant Barje	Sinhgad Hackathon 2019 Odd Sem SKN Sinhgad College of Engineering, Pandharpur State Level	Winner
5	1.Arundhati Ghatsile 2.Neha Karpe 3.Payal Chougule 4.Meera Jadhav	Sinhgad Hackathon 2019 Odd Sem SKN Sinhgad College of Engineering, Pandharpur State Level	Runner Up
6	Shubham Tandale	Avishar 2018 @SVERI-COE, Pandharpur ,University Level	Winner

7	1.Shubham Tandale 2.Sunil Khare 3.Vaibhavi Kulkarni 4.Pooja Gaikwad 5.Abita Wavare 6.Vishal Lawate	Smart India Hackathon 2019 On behalf of MHRD , AICTE, Persistent, Pune, Rambhau Mhalgi Prabhodhini, Inter Institutional Inclusive Innovations Center (i4c) and MHRD's Innovation Cell Organizer : Girijananda Chowdhury Institute of Management of Technology, Guwahati (Asam)  National Level	2nd Runner UP
8	Tushar Nimbalkar		2nd Runner UP Mentor
9	1.Aakash Surwase 2.Sham Mali 3.Sumit Takalikar 4.Sagar Shingare	Sinhgad Hackathon 2019 SKN Sinhgad College of Engineering, Pandharpur State Level	Winner
10	1.Pranav Tare 2. Aakash Pise 3. Aman singh		Runner Up
11	1.Komal Raut 2.Nilesh Lengare 3.Pawan Borule 4.Aishwarya Deshpande 5.Akansha Bagal 6.Nutan Vyavahare	Convene-2019 (Web Application Domain) SKN Sinhgad College of Engineering, Vadgaon -Pune National Level	Winner

### E&Tc

Sr. No.	Name of students	Activity	Achievements
1	More Bharati, Salgar Swapnali, Honrao Priyanka, Khilaje Pooja, Kolekar Sachin	Carnival 2K20 Fashion Show	Winner Team
2	Kulkarni Rucha, Damodare Girija	Carnival 2K20 Group Dance	Runner Team
3	Kulkarni Rucha	Carnival 2K20 Solo Singing	Runner Team
4	Lawand Rutuparna, Kapase Pooja	Carnival 2K20 Funny Games	Winner Team

5	Perla Komal	Carnival 2K20 Drama	Runner Team
6	Bagwan Sanveera, Badgandi Pranali, Karade Neha, Nimbalkar Mayuri, Nagane Shivani	Carnival 2K20 Drama & cocktail	Runner Team
7	Kolekar Sachin	Carnival 2K20 Kabaddi	Runner
8	Kolekar Sachin	Carnival 2K20 Kabaddi	Best Defender
9	Bedare Mayuri	Carnival 2K20 Kho-Kho	Winner
10	Kapase Pooja	Carnival 2K20 Basketball	Winner

### Electrical

Sr. No.	Name of students	Activity	Achievements
1	Nehatrao Vaishnavi	One Minute Show- Spectrum 2k19	Winner
2	Gaikwad Uma	MAFIX- Spectrum 2k19	Winner
3	Gavali Sonali	One Minute Show- Spectrum 2k19	Runner
4	Deshmukh Prajakta	Circuit Suduko- Spectrum 2k19	Runner
5	Nakate Revati	Circuit Suduko- Spectrum 2k19	Runner
6	Mahesh Jadhav	Mr. Sinhgad 2020 Carnival 2K20	Winner
7	Bhosale Vikram Pandurang	WEENGs 2K20	Winner
8	Bhosale Balaji Ashok	WEENGs 2K20	Winner
	Buirkar Vithal Tanaji	WEENGs 2K20	Winner
9	Bansode Akash Gundiba	WEENGs 2K20	Winner
10	Raut Pramod B	WEENGs 2K20	Winner

11	Wakase Sachin Nagu	WEENGs 2K20	Winner
<b>Mechanical</b>			
Sr. No.	Name of students	Activity	Achievements
1	Sumit Kamble	Internship with project at Russia	UG Fellowship
2	Awatade Ruturaj	Quiz- Spectrum 2K19, SKNSCOE, Pandharpur	Winner
3	Inamdar Pravin	Foot Ball, 5th Students Olympic Maharashtra State Games 2018-19	Winner
4	Kulkarni Chaitanya	Best Student Teacher Competition SKNSCOE, Pandharpur	Winner
5	Joshi Shubham	Badminton Doubles , Students Olympic Association Maharashtra State Games	Silver
6	Joshi Shubham	Badminton Singles, Students Olympic Association Maharashtra State Games	Bronze
7	Joshi Shubham	Badminton Mix Doubles , Students Olympic Association Maharashtra State Games	Silver
8	Surywanshi Shubham	Start-Up Innovation- Siviliza SKNSCOE, Pandharpur	Winner
9	Mane Atharv	Speech Competition, SKNSCOE, Pandharpur	Winner
10	Utpat Mandar	Best Aptitude- Virtual Campus, SKNSCOE, Pandharpur	Winner
11	Deshmukh Atharv	Best Student Teacher Competition, SKNSCOE, Pandharpur	Winner
12	Dalave Siddheshwar	Best Interviewee- Virtual Campus, SKNSCOE, Pandharpur	Winner
13	Virkar Mahesh	Play it Now- E blast, SKNSCOE, Pandharpur	Winner

## 25. Use of ICT facilities and Innovative Practices for Teaching.

**Total No. of teachers arranging video lectures based on curriculum- 82**

Use of ICT facilities and innovative practices for teaching						
No. of teachers arranging video lectures based on curriculum	Interactive online lectures			Any other e-resource used		Innovative practices in teaching and learning
	No. of lectures arranged	No. of teachers	Class/course for which lectures arranged	Spoken tutorials, Virtual Lab, Moodle, NPTEL lectures, K point etc.	No. of teachers using this facility	
Civil						
08	10	8	SY B.Tech., TE and BE	Yes	11	Student Training Programme, Field/Industrial Visit and Value Addition Programme
CSE						
05	12	3	SY B.Tech. TE BE	Yes	13	Student Training Programme Technical Activities, Expert Lectures Industrial Visits and Value Addition Programme
E &TC						
11	03	11	SY B.Tech. TE BE	Yes	11	Student Training Programme Technical Activities, Expert Lectures Industrial Visits and Value Addition Programme
Electrical						
01	00	00	SY B.Tech. TE BE	Yes	10	Student Training Programme Technical Activities, Expert Lectures Industrial Visits and Value Addition Programme

Mechanical						
34	20	07	SY B.Tech. TE BE	Yes	30	Student Training Programme, Technical Activities, Expert Lectures, Industrial Visits and Value Addition Programme
FE						
03	00	00	-	-	07	STP, Motivational Lecture, Extra Sessions for Slow Learners

## 26. University / College sponsored ongoing projects undertaken by faculty

Title	Name of Faculty	Grant Sanctioned	No. of students assisting the project
Intelligent Water Management System for smart cities using IoT	Prof. A. B. Jagadale	70000	02
Energy Optimal Prototype design for wireless energy harvesting	Prof. H. S. Deshpande	50000	02
Intelligent Water Supply Management system for Smart City using IoT	Prof. A. A. Rajguru	70000	02
Investigation on Optical and Electrical Properties of Nano crystalline Cu <sub>3</sub> BiS <sub>3</sub> thin films for Environment friendly Photovoltaic Solar Cell	Dr. S. G. Deshmukh	50000	02
Total		240000	

## 27. Students ongoing Research Projects

Title	Name of Student	Sponsoring agency
Design and Fabrication of Automatic Milk Can Opener	1. Godse Abhishek Subhash 2. Khamkar Pratik Vikas 3. Mali Rushikesh Subhash 4. Nimbalkar Abhishek Santosh	Chaitanya Milk Dairy Pandharpur
Utility Based Biogas Plant running on Solid waste in Gram Panchayat Area for use of Renewable Energy	Mr. S. H. Gidde Mr. Sumit Navale Mr. Rushikesh Jagtap Mr. Kaustubh Raigaokar	MHRD, IIT Delhi
Investigation on optical and electrical properties of Nano crystalline Cu <sub>3</sub> BiS <sub>3</sub> thin films for environment friendly photovoltaic solar cell	Mr. S. G. Deshmukh Mr. Rohan Deshmukh Miss. Shraddha Sankpal	PAHSUS, Solapur
Energy optimal prototype design for wireless energy harvesting	Mr. H. S. Deshpande Mr. Nishant Chavan Miss. Girija Damodare	PAHSUS, Solapur
Intelligent water supply management system for smart cities using IoT	Mr. A. A. Rajguru Miss. Komal Raut Mr. Nilesh Lengare	PAHSUS, Solapur

## 28. Avishkar 2K19

### UG Category

Sr. No	Name of Students	Branch	Name of Project
1	Pravin Sul	E&TC	Development Of System For Governing Utilization Of Solar Energy
2	Vinayak Pawar	Civil	Plastic & Paver Block
3	Rucha Rupnar	Mechanical	Methodology for quality in public and private hospital
4	Ankita Pande	Civil	Dam Safety Management
5	Aparna Gargade	Electrical	IOT Based Power Monitoring System
6	Omkar Mane	Mechanical	Dustless Duster
7	Akash Kulkarni	E&TC	Solar Powered Fencing System
8	Pratiksha Waghmare	E&TC	Bird Repellent System
9	Uma Gaikwad	Electrical	IOT Based Sugar Testing device
10	Suyash Mahamani	Mechanical	Methodology for material selection & analysis of Knee Joint
11	Ajit Gaikwad	E&TC	Smart Medicine Box
12	Sonali Walake	Electrical	IOT Based water Dispensary By Using Coin

### AVISHKAR 2K19

#### PG Category

Sr. No.	Name of Students	Branch	Name of Project
1	Atul Lingemali	Mechanical	Analysis of noise isolation, performance using rubber composite material
2	Supriya Joshi	CSE	Multiple Keyword search system
3	Pratik Kulkarni	Mechanical	Wear and Mechanical Behaviour of starch based coconut sheath reinforced biodegradable composite

4	Kajal Mandave	E&TC	Testing and Measurement of braze drill tool using Image Processing
5	Anita Shinde	E&TC	Development of electronic system for milk analysis
6	Kalyani Pawar	CSE	Cryptography
7	Nitin Mujmule	Mechanical	Ergonomics

## 29. Consultancy Projects

Title	Faculty	Funding Agency	Fund Received	No of students assisting the Project
Stir casting	Dr.S.G.Kulkarni	Mr. Swagat Kulkarni	1500	02
Bio Diesel Preparation and Testing	Prof.S.R.Koli	Mr. Ganesh More	5000	01
Testing of Cement,Steel,Concrete,Bricks etc. Concrete Mix Design and Third Party Audits	Dr.C.P.Pise Prof.D.S.Jagatap Prof.M.B.Shinde Prof.G.D.Lakade Prof.S.S.Kadam	1. Dharewal And Choriya Buldup 2. Shevale Amol Gorakh 3. Sector 7 Consultant And Engineers 4. CP Bagal And Company 5. P N Shelake 6. Ranjit Hanmant Deshmukh Etc.	152770	-

## 30. Research Publication in Journals notified on U.G.C Website

**Total numbers of publications in journals notified on U.G.C. website are- 14**

Title of Paper	Name of Publication	Faculty	Impact Factor	Citations
<b>Civil</b>				
Effect of sand Coating with Solution on Bond Strength of Bamboo	IJITEE	A.A.Kambale	7.12	-
Dynamic response of RCC Silo in Seismic Zone V	IJSRD	Y.P.Pawar	4.396	-
Experimentally Effectiveness of Shear Carrying Capacity of Reinforced Concrete Rectangular Beam by Using Rectangular, Triangular and Spirally Stirrups	IJITEE	C.P.Pise	7.12	-
Analysis and Design of Steel Frame Structures for Rotating Motors	IJERT	C.P.Pise and G.D.lakade	7.86	-
To study Comparison Between RC Frame Structure and Flat Slab Structure with Different Shear Wall Locations	IJSART	C.P.Pise	5.88	-
Comparison Between RC Frame Structure and Flat Slab Structure with Different Geometrics and Different Shear Wall Locations	IJSRD	C.P.Pise	4.396	-
Comparative Study of conventional Braces and Buckling Restrained Braces in Steel Frame Structure	IJERT	C.M.Deshmukh S.S.Kadam	7.86	-
<b>CSE</b>				
Social Innovation through Precision Farming: Leaf Disease Detection System Using IoT	International Journal of Research in Advent Technology	Prof. V. G. Chavan	3.12	-

Lightweight Novel Trust based Framework for IoT Enabled Wireless Network Communications	Periodicals of Engineering and Natural Sciences (PEN)	Prof. S. B. Thigale	0.76	2
Augmented reality in e-learning review of prototype designs for usability evaluation	IJITEE	Prof. V. G. Chavan	7.12	-
<b>Electronics &amp; Telecommunication</b>				
Innovative Method to Detect Lens Opacity using Radon Transform	International Journal of Scientific & Technology Research	Prof. A. B. Jagadale	7.466	-
Characterizing eye lens images using Active shape model, normalization, and Support vector machine to detect cataract	International Journal of Scientific & Technology Research	Prof. A. B. Jagadale	7.466	-
Active shape model based Correlative assessment of statistical parameters to detect cataract	International Journal of Innovative Technology and Exploring Engineering	Prof. A. B. Jagadale	5.54	-
High throughput and area efficient FPGA implementation of AES algorithm	International Journal of Engineering and Advanced Technology	A. O. Mulani	6.02	-

## 31. Active MoU's

### Total No. of active MoU's - 21

Title	Company / Organization	Objectives of MOU	Outcome of MOU
<b>Civil</b>			
Software Training	Symmetry Solutions, Solapur	To impart training to the students, staff of the Institute by the Industry.	Students Aware of 'STAAD-PRO' Knowledge
Management and Entrepreneurship Training	MITCON consultancy & Engineering Services, Solapur.	The Institute and the Industry shall explore the possibilities of mutual support in their learning, hiring and research requirements based on mutual convenience.	Entrepreneurship Development Program/Trainings to students
Industry-Institute Interaction and Field Training	Skyway Consulting Engineers, Solapur.	To minimize the gap between theoretical and practical applications used in the Industry	Used their Sites for site Visits
Software Trainings and Awareness about Developments in Softwares in Civil Engg. Fields	CADD Centre Training Services Pvt. Ltd. Pandharpur.	To Conduct Software Trainings And Aware Students about Recent Softwares in Civil Engineering Fields	<ul style="list-style-type: none"> <li>• Conducted VAPs on AUTO-CAD, E-Tab etc.</li> <li>• Guest Lecture on Software in Civil Engineering</li> <li>• Events and Competitions e.g CADD Quest, IDC etc.</li> </ul>
Software Training	Vernier Design Solutions Pvt. Ltd. Pune	To impart training to the students, staff of the Institute in the area of Structural Analysis by the Industry.	Students Aware of 'STAAD-PRO' Knowledge
Industry-Institute Interaction	Seed InfoTech Ltd, Pune.	Providing hands on Training of Basic English/Communication Skills/Aptitude/CCNA	Students benefitted with knowledge of Aptitude and Communication Skills
<b>Computer Science and Engineering</b>			
VAP	Aplomb Solutions, Pandharpur	<ul style="list-style-type: none"> <li>• To understand how server-side programming works on the web.</li> <li>• To understand the principles of creating an effective web page, including an in-depth consideration of information architecture.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate handling web page events.</li> <li>• Know managing web page styles using JavaScript and CSS.</li> <li>• Create animation on a web page.</li> </ul>

		<ul style="list-style-type: none"> <li>To validate web pages</li> <li>To publish web pages</li> <li>To learn how to use CSS</li> </ul>	<ul style="list-style-type: none"> <li>Describe the Document Object Model (DOM).</li> </ul>
<b>Electronics &amp; Telecommunication</b>			
Training on Raspberry Pi and Its Applications	Smart Logic Technology, Pune	To provide Summer/ Winter Training certification courses	Implement Projects on Raspberry Pi
Industrial Training & Guest Lecture on Recent Trends in Electronics	Perfect Electronics, Wai	<ul style="list-style-type: none"> <li>To Provide Industrial Training at company Location</li> <li>To provide experimental Boards for Practical's</li> <li>To provide Campus placement &amp; Sponsored Project</li> </ul>	Industrial Visit Arranged
<b>Electrical</b>			
Workshop on PCB Design	Apron Tech.	Seek mutual advice & support in planning & executing programs promoting excellence in resp. areas of education	Participant got the need & importance of PCB design for project
Industrial Visit	Power Flow Systems Pvt. Ltd	Creating research, monitoring & testing facilities at SKNSCOE, Korti	Participant got the need & importance of solar power & solar installation
Sponsored Projects	Sagar Electrical Company	To bridge the gap between industry & institute	Practical training to students at company
<b>Mechanical</b>			
VAP	CAD/CAM Guru Pune	Conducting Free Program in College	Conducting Free Program in College
In plant training	Kaizen Airtreat Pvt. Ltd, Pune	In plant training to student	In plant training to student
In plant training	Spence Pvt. Ltd., Solapur	In plant training to student	In plant training to student
In plant training	Leena Engg. Works, Solapur	In plant training to student	In plant training to student

Workshop	Dynamic Balancing, Pune	Conducting Workshop on Vibration Analysis	Conducting Workshop on Vibration Analysis
Workshop	3 D Printer, Karad	Conducting Workshop on Rapid Prototyping	Conducting Workshop on Rapid Prototyping
<b>First Year Engineering</b>			
Academic and research collaboration	Department of Applied, Defence Institute of Advanced Technology, Girinagar, Pune (Deemed University)	<ul style="list-style-type: none"> <li>To promote research culture</li> <li>To promote quality research publication in the field of nano-science and nanotechnology</li> </ul>	<ul style="list-style-type: none"> <li>Generate research papers and patents for society</li> </ul>
Academic and research collaboration	Electronics Optoelectronics and thin film devices research laboratory M. S. University Baroda	<ul style="list-style-type: none"> <li>To promote research culture</li> </ul>	<ul style="list-style-type: none"> <li>Generate research papers and patents for society</li> </ul>
Academic and research collaboration	Zagazig University, Zagazig, Egypt	<ul style="list-style-type: none"> <li>To promote academics, research, scientific, technology and related areas by supporting educational, scientific, professional and research activities among faculty and students</li> </ul>	<ul style="list-style-type: none"> <li>Exchange of faculty and students for participation in seminar, conference etc.</li> </ul>

## 32. Grants Received

A.Y 2019-20

Sr. No.	Particulars	Funding agency	Amount sanctioned (Rs.)	Amount Received (Rs.)
1.	2 Day National Level workshop on Research Methodology	PAHSUS	9000/-	9000/-
2.	One week STTP on "Advance Optimization tools and Techniques for Researcher & Engineer's "	PAHSUS	7500/-	7500/-
3.	One week STTP on "Recent Trends in Heat Exchangers"	PAHSUS	7500/-	7500/-
4.	Sustainable Innovations in Civil and Mechanical Engineering <a href="http://icsicme.sknscoe.ac.in">http://icsicme.sknscoe.ac.in</a>	PAHSUS	12000/-	12000/-
5.	Smart Materials and Nanotechnology (rcsMN -2020) January, <a href="http://icsmn.sknscoe.ac.in">http://icsmn.sknscoe.ac.in</a>	PAHSUS	12000/-	12000/-
6.	Innovation in Computer, Electrical and Electronics Engineering (rcrcEEE-2020) January <a href="http://iciceee.sknscoe.ac.in">http://iciceee.sknscoe.ac.in</a>	PAHSUS	12000/-	12000/-
7.	Women Entrepreneurs Rewards of Entrepreneurship	PAHSUS	3,500/-	3,500/-
8.	Three Day workshop on "Image Processing Applications using Open CV "	PAHSUS	9000/-	9000/-
9.	STTP on "Water Distribution Design & Modelling by Bentley Water CAD/Water GEMS	PAHSUS	7,500/-	7,500/-
10.	Unnat Bharat Abhiyan	MHRD & IIT Delhi	50000/-	50000/-
11.	Virtual Lab	Amruta University	12000/-	12000/-

12.	Program on stress relief	PAHSUS	2000/-	2000/-
13.	Carrier guidance session	PAHSUS	5000/-	5000/-
14.	eSim a First Course in the IoT Series for Teachers on 21 September 2019	MHRD & IIT Bombay	5000/-	5000/-
15.	One day Workshop on Linux on 23 August 2019	MHRD & IIT Bombay	5000/-	5000/-
16.	Investigation on optical and electrical properties of Nano crystalline Cu <sub>3</sub> BiS <sub>3</sub> thin films for environment friendly photovoltaic solar cell	PAHSUS	50,000/-	40000/-
17.	Energy optimal prototype design for wireless energy harvesting	PAHSUS	60,000/-	50000/-
18.	Intelligent water supply management system for smart cities using IoT	PAHSUS	70,000/-	55000/-
19.	Sustainable Innovations in Civil and Mechanical Engineering	Biologic	20,000/-	20,000/-
20.	FDP in Cyber security	MHRD, Shivaji university	27000/-	27,000/-
21.	Hackathone	Alumni group association	10,000/-	10,000/-
			<b>396000/-</b>	<b>361000/-</b>

### 33. SPECTRUM 2K19

The details of different activities planned under technical festival SPECTRUM 2K19 and number of participant participated in different events are as

Sr. No.	Event Name	Department	Total Participants
1	Android Gaming[LUDO KING]	CSE	130
2	Coding Competition	CSE	65
3	LAN GAMING[PUB-G]	CSE	135
4	LAN GAMING[NFS]	CSE	120
5	One Minute Show	ELECTRICAL	25
6	MAFIX	ELECTRICAL	15
7	CAD WAR	CIVIL	17
8	Trusso Model Making [46(Entries)*2(participants)=92]	CIVIL	92
9	Circuit Suduko	ENTC	32
10	Microcontroller Programming	ENTC	33
11	Lathe War [25(Entries)*3(participants)=75]	MECHANICAL	75
12	Blind Driver [25(Entries)*3(participants)=75]	MECHANICAL	75
13	Quiz	CENTRAL	84
14	Poster Presentation	CENTRAL	98
TOTAL			996



Snapshots of SPECTRUM 2K19 inaugural

## 34. WEENGs2K20

WEENGs is project exhibition conducted at SKNSCOE, every year to give scope and platform to all the engineering students to express their innovation, novelty and creativity through carrying a novel projects. Through WEENGs all such projects are participated in this exhibition. During WEENGs-2020, 1099 responses were received as given below.

**WEENGs-2020 Participant details**

<b>Class</b>	<b>CSE</b>	<b>MECH</b>	<b>ELE</b>	<b>CIVIL</b>	<b>E&amp;TC</b>
<b>BE</b>	56	187	68	70	41
<b>TE</b>	63	77	57	58	22
<b>SE</b>	14	20	45	65	18
<b>Outside</b>	26	57	103	29	23
<b>Total</b>	159	341	273	222	104
<b>Grand Total</b>	1099				



Snapshots of WEENGs 2K20