



**JAYAWANT SHIKSHAN PRASARAK MANDAL'S**  
**Jayawantrao Sawant College of Engineering**  
 (Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)



**Prof. Dr. T. J. Sawant**  
 D.E.E., B.E.(Electrical), MISTE, Ph.D  
**FOUNDER SECRETARY**

Id.No. : PU/PN/Engg./199/(2004)  
 S. No.58, Handewadi Road, Hadapsar, Pune - 411028  
 Ph. :8484897374      Telefax : 020-26970880  
 Email : principal@jspmjscoe.edu.in  
 Website : www.jspmjscoe.edu.in

**Dr. Rajendra D. Kanphade**  
 M.E. Ph.D. (Electronics Engg.)  
 LMISTE, FIETE, SMIEEE  
**Principal**

## IQAC ANNUAL REPORT 2021-22

JSCOE have five UG programs (Mechanical, Computer, IT, Electrical, Electronic and Telecommunication), Five PG courses (Mechanical, computer and E&Tc, MBA and MCA) and one research center, total number of students enrolled are 2730 and Total faculty: 128 with 30 PhD.

The IQAC is committed to quality enhancement initiatives in the institute. It helps the institution in planning and monitoring the progress of the institute in all departments. IQAC also takes the opinions of stakeholders including Students, Teachers, Parents, Alumni, funding agencies and industry experts.

**IQAC takes 360 degree feedback from all units of the institute.**

### Enrollment ratio:

Programme name	Number of seats sanctioned	Number of Students admitted
Computer Engineering	120+12	136
Information Technology	60+6	68
Electrical Engineering	60+6	48
E & T/C Engineering	120+12	128
Mechanical Engineering	180+18	18
Master of Business Administration	60	67
Master of Computer Application	60	69
Master of Computer engineering	18	1
M.E.(Digital System)	24	2
M.E.(design)	24	0
MCA	60	69

**Placement:**

Institute is taking very systematic efforts to place all eligible candidates in reputed companies. As a result of this, there is continuous improvement in placement records every year. In the last academic year overwhelming placement has occurred. More than 80% of students placed with multiple offers from reputed multinational companies. BE students received more than 600 offers from different companies with different portfolios. Highest package received in the year 2020-21 was 12 LPA.

**Campus Placement Statistics  
2020-21 Batch**



Package Range	No.of.Offer
2.5 LPA to 2.8 LPA	54
3 LPA to 3.5 LPA	62
3.6 LPA to 4.5 LPA	165
4.6 LPA to 6.5 LPA	54
7 LPA	8
10 LPA	7
12 LPA	3

ACADEMIC YEAR	PLACEMENT	HIGHER EDUCATION	ENTREPRE-NEURSHIP	PLACED/ TOTAL
2020-21	349	14	1	364/ 444

**Research and Patent:**

Total research Publication: total 92 research publications in Scopus indexed, national and international conferences. More than 50 patents are registered and published by students and faculties. Institute has done MOU with NSRD for patent publication activities.

item	Total Research papers	SCI/Scopus indexed	UGC approved	Conference
Research paper	92	14	72	5
Patent	1 filed	2 published	6 International	granted

Institute has signed 19 MOUs till date with various industries for mutual benefit. Many students are selected for internship programs and also get sponsored projects.

Name of the activity	Name of the Award/ recognition for Institution	Name of the Awarding government/ government recognised bodies
Global AYUSH Investment & Innovation Summit 2022	1st prize in the category of Ayush Bio-instrumentations	All India institute of Ayurveda under the guidance of Ministry of Ayush
Project Competition	Team Elespa HEV won platinum prize o-f Rs. 10 Lakh	KPIT Sparkle 2022
Project Competition	Best Technical Club in Innovation – International Award	I2OR Ministry of MSME (UDYAM) Registered
	Mr. Ganesh Thorat (BE Mech) Selected in top 7 young Entrepreneur of India by	United Nations of India.
Excellence in Education Award	Outstanding Educator Award 2022	21Diziskills
ACCREDITED PROFESSIONAL CERTIFICATION	SKILLFRONTCERTIFIED ASSOCIATE IN SCRUM FUNDAMENTALS (CASF	SKILLFRON
Annual gathering meeting of IEEE Pune section	“Outstanding Student Branch Counselor 2021” award	IEEE
IEEE Day 2021	certificate of appreciation for valuable service and contribution as “IEEE Day 2021 Ambassador”	IEEE
Regional Level Project Competition	First Prize of Rs. 50,000/-	Director of Technical Education (DTE) in association with the SPPU and AISSMSIOIT Pune
Startup Exchange awards 2021	awarded for “Best Woman Entrepreneur Innovation Category	startup India
Regional Level Project Competition	First Prize of Rs. 50,000/-	Director of Technical Education (DTE) in association with the SPPU and AISSMSIOIT Pune

Startup Exchange awards 2021	awarded for “Best Woman Entrepreneur Innovation Category	startup India
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### **Industry Institute Interaction Cell [III Cell] - INTERNSHIP:**

The third year and final year students have taken benefit of virtual internship offered by AICTE and other reputed industries during pandemic

Almost 660 students finished internship program with JP Morgan, Tech Mahindra, Chip web technologies, Cerebrospark innovations , M.S.E.D.C.L and many more.

### **STUDENT ACHIEVEMENTS**

Sr No	Competition Name	Award/ Prize / Participation	No of Students	Total No of Teams	National Level/ International Level ( Outside of State/ Outside of India)	Venue and Year
1	Smart India Hacakthon 2020	Finalist	12	02		Karnataka
2	Smart India Hacakthon 2021-22	Finalist	12	02	National Level	Tamilnadu and Raipur,CG
3	MIT-HUB 2020 (Team 1)	1 <sup>st</sup> Prize	05	01		MITADT,Pune
4	MIT-HUB 2020 (Team 2)	2 <sup>nd</sup> Prize	05	01		MITADT,Pune
5	RTU- Pournima Hacakthon 2021	1 <sup>st</sup> Prize	06	02	National Level	Pournima University,Jaipur, Rajasthan
6	Hackverse 2021	2 <sup>nd</sup> Prize	03	01	National Level	NITK, Surathkal
7	Aatmanirbhar Hackathon	Participation	8	02	National Level	Gujarat, India , 9 <sup>th</sup> -10 <sup>th</sup> July 2020
8	Code Ovid Competition	Participation	6	02	-	D.Y Patil ,Pune , 2020
9	Hack Jaipur	Participation	6	02	National Level	Jaipur 2020

10	Hack in India	Participation	8	02	National Level	Cyber Lab ,2020
11	Google DSC Manifest 2020	1 <sup>st</sup> Prize (Mobile App Development)	04	01	National Level	DSC BVP ,Delhi
12	Google DSC Manifest 2020	2 <sup>nd</sup> Prize (AR VR Domain)	04	01	National Level	DSC BVP,Delhi
13	Google DSC Manifest 2020	2 <sup>nd</sup> Prize (Digital Art)	04	01	National Level	DSC BVP,Delhi
14	Ku Hack Fest 2021	Participation	08	02	International Level	Kathmandu Univesity,Ne pal
15	NASA space APP Challenge 2020	Galatic Problem Solver	12	03	International Level	NASA Center, Kuala Lumpur

### Faculty Development Program:

Name of teacher who attended	Title of the program	Duration (from – to) (DD-MM-YYYY)
Dr. Gokhale Priya Nitin	One week FDP Emerging Trends in Electric Vehicle and Infrastructure Development	12.7.2021-17.7.2021
	online faculty orientation programme	9.8.2021-11.8.2021
	TE syllabubs revision 2019 pat	2.6.2021-2.6.2021
	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
	Introduction to industry 4.0 and industrial internet of things	1.1.2021-4.1.2021
	Innovative teaching learning methods	10.5.2021-12.05.2021
Padhi Deepanjali	Future trends in renewable energy	15.3.2021-28.3.2021
	one day webinar electric vehicle career oppotunities	25.9.2021-25.9.2021
	Innovative teaching learning methods	10.5.2021-12.05.2021
Nandargi Kiran Naganath	Innovative teaching learning methods	10.5.2021-12.05.2021
DR. PRADEEP PATIL	Machine Learning Applications in Mechanical Engineering	13-12-2021 to 17-12-2021
DR. PRAKASH KADAM	Industrial Safety Management	06-07-2021 to 06-07-2021
DR. MAHESH GAIKWAD	Advances and Applications of AI and ML	22-11-2021 to 02-12-2021
PROF. SHIVANAND TALWAR	ELECTIVE - II Surface Engineering (302052-B)	03-06-2021 to 03-09-2021
PROF. SANDEEP PATIL	Industry 4.0 & IOT: Opportunities and Challenges	17-12-2021 to 18-12-2021

PROF. SANDEEP PATIL	Machine Learning Applications in Mechanical Engineering	13-12-2021 to 17-12-2021
PROF. SANDEEP PATIL	Smart manufacturing - Scope and challenges in research	17-01-2021 to 21-01-2021
PROF. SHEKHAR GULWADE	Advances and Applications of AI and ML	22-11-2021 to 02-12-2021
PROF. MAHESH SHINDE	Machine Learning Applications in Mechanical Engineering	13-12-2021 to 17-12-2021
PROF. MAHESH SHINDE	Smart manufacturing - Scope and challenges in research	17-01-2021 to 21-01-2021
PROF. AMRUTA RANANAWARE	Design Thinking	21-06-2021 to 25-06-2021
PROF. AMRUTA RANANAWARE	Advances and Applications of AI and ML	22-11-2021 to 02-12-2021
PROF. AMRUTA RANANAWARE	SYLLABUS IMPLEMENTATION WORKSHOP ON Elective - I	28-07-2021 to 28-07-2021
DR. JAHIER ABBAS SHAAIKH	Advances and Applications of AI and ML	22-11-2021 to 02-12-2021
PROF. MANISHA NALAWADE	FDP on Data Science and Artificial intelligence	26/07/2021-30/07/2021
PROF. SUCHITRA DHANAWADE	FDP on Machine learning and lab practice	26/07/2021
PROF. SUVARNA PAWAR	FDP on "Data Science" by AICTE Training and Learning(ATAL) Academy	01/07/21 to 05/07/21
Prof. S.G.Latake	FDP on Data Science and Artificial intelligence	26/07/2021-30/07/2021
Prof. S.G.Latake	5 days online FDP inculcating Universal Human Values in technical education organised by AICTE	19/7/2021 to 23/7/2021
Prof. Rupali Parte	Microprocessor & Microprocessor Laboratory	02/02/2021 to 04/02/2021
Prof. Hyder Ali Nooruddin Hingoliwala	Programming for Everybody(Getting started with Python)	23/02/2021
Prof. Sharmila Shinde	1. AICTE Training & (ATAL) Learning Academy "Developing Academic Leaders for quality HEIs"	5/06/21 to 9/06/21
	2. Foundations : Data,Data Everywhere Google Coursera	17/09/21
	3. Advanced Google Classroom for Education- Coursera Project Network	17/06/21
	4. Introduction to Scrum Master Training- Coursera	02/06/22
	5. Ask que to make data Driven Decision Google Coursera	23/09/21
Dr. P. D. Lambhate	NPTEL : Data Analytics with Python	Jan-21 to Apr-21
Dr. V. N. Khan	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
POOJA SORTE	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021

Arati Deshpande	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
T S Mote	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
S V Malewar	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Dr. Nilesh alone	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Dr. Abhijit Dandavate	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Dr. Priya Gokhale	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Sandeep Choudhary	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Dipali Patil	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Manjare Chandrabhabha Anil	NPTEL Course on Database Management System	26/07/2021 to 17/09/2021
	Faculty Orientation Workshop on Database management	7/22/2021 to 24/07/2021
Sardar Vijay Madhukar	Faculty Orientation Workshop on Skill Development	7/30/2021 to 31/07/2021
Navandar Rajesh Kedarnath	Faculty Orientation Workshop on Electromagnetic Field Theory	7/22/2021 to 24/07/2021
Gumaste Pratima Purushottam	Faculty Orientation Workshop on Project Management	27/01//2022 to 29/01/2022
Ingale Devendra Gajananrao	Faculty Orientation Workshop on Fundamentals of Java Programming	26/07/2021 to 28/07/2021
Lembhe Varsha Vasantao	Faculty Orientation Workshop on Microcontroller	22/07//2021 to 24/07/2021
	Faculty Orientation Workshop on Power Devices & Circuits	27/01/2022 to 29/01/2022
	FDP on Introduction to Industry 4.0 and Industrial Internet of Things	24/01/2022 to 15/04/2022
Malewar Satish Vasantao	Faculty Orientation Workshop on Electromagnetic Field Theory	22/07/2021 to 24/07/2021
	Faculty Orientation Workshop on Digital Signal Processing	06/07/2021 - 28/07/2021
Biradar Balbhim Shivajirao	Faculty Orientation Workshop on Database Management	22/07/2021 to 24/07/2021
	Faculty Orientation Workshop on Embedded Processors	31/01/2022 to 2/2/2022
Wakure Suvarna Ashokrao	Faculty Orientation Workshop on Network Security	31/01/2022 to 2/2/2022
Gawade Rohit Dilip	Faculty Orientation Workshop on Digital Communication	22/07/2021 to 24/07/2021

Pange Sanchita Madhukar	Faculty Development Programme (FDP) on “Research Methodology, Research Publications and Patent Filing”	20/09/2021 to 24/09/2021
Sachin Shriram Mahulkar	Faculty Orientation Workshop on Skill Development	30/07/2021 to 31/07/2021
Dipali Patil	FDP on inculcating universal human values in technical education	19.7.2021-23.7.2021
Prof. S. A. Patil	How to Conduct Students Induction	21-10-2021
	Innovative Teaching -Learning Methods	22-4-2021 to 28-4-21
	Mathematical Softwares	19-02-2021 to 21-2-2021
Dr. N. D. Sharma	FDP on inculcating universal human values in technical education	20-09-2021 to 24-09-21
	FDP on inculcating universal human values in technical education	21-09-2021
Prof. S. A. Patil	FDP on inculcating universal human values in technical education	21-09-2021
Prof. Sandip S.Gaikar	FDP on inculcating universal human values in technical education	20-09-2021 to 24-09-21

The list of programs conducted during the year:

<b>Name of the capacity development and skills enhancement program</b>	<b>Date of implementation (DD-MM-YYYY)</b>	<b>Number of students enrolled</b>
3 Days Online Workshop on Soft Skills and Interview Techniques and aptitude	24th,25th &27th Jan 2022	200
One day Webinar on Civil Services and Opportunities in 21st century	29-01-2022	200
Workshop- Introduction to Universal Human Values	19-04-2022	43
Financial Empowerment – Current and Future Trend	23-04-2022	43
Webinar -'The Most In–Demand MBA Specialization in 2022	30-04-2022	80
One Day Workshop on-Introduction to MS Office(Word,Excel and Power Point)	07-05-2022	63
Traditional Day	14-05-2022	60
Personal Branding	17-05-2022	52
Mock Interview	26-05-2022	90



GD	27-05-2022	60
Webinar -Blockchain and Crypto Currency	28-05-2022	52
Resume Building	03-06-2022	107
Communication skill development-	11-06-2022	62
On Campus Internship Interview	07-06-2022	45
Financial Literacy and Stock Market Seminar	10-06-2022	30
HDFC Placement Drive	17-06-2022	121
Yoga meditation	21-06-2022	1000
Corporate Framework on Employee Rights, Emotional Intelligence and RTO	25-06-2022	117
PPT Presentations	11-07-2022 to 15-07-2022	70
Job Fair-2022	24-09-2022	1000
SVM- Vodaphone	23-07-2022	55
SVM- Vodaphone	22-04-2022	40
SVM- Vodaphone	04-02-2022	55
SVM- Vodaphone	18-10-2021	50
SVM- Vodaphone	19-11-2021	50
SVM- Vodaphone	15-11-2021	40
GTT Barclays	22/09/2021 To 30/11/2021	110
WEBINAR on Electric Vehicles career Opportunities	25.9.2021	339
WEBINAR on Instrumentation and Visualisation Based Techniques for Biomedical Parameters in Ayurveda	27.11.2021	170

**Academic results;** This year 551 students appeared in the final year exam. All departments achieved 100 percent university results. All PG departments also achieved good results.

<i>Academic year</i>	<i>Total Students</i>	<i>COMP</i>	<i>ELECT</i>	<i>ETC</i>	<i>MECH</i>	<i>IT</i>
2021-22	Appeared	144	78	116	224	90
	Passed	138	70	92	219	89
	% of Passing	95.83	89.74	79.31	97.76	99

### QUALITY INITIATIVES OF IQAC

1. Faculty Development Programme
2. Induction Programme for FE
3. Curriculum Enrichment program
4. PARENT TEACHER MEET
5. Webinar series by experts on cutting edge technology
6. Skill enhancement trainings and certification
7. Gender sensitization and awareness
8. Academic and administrative audit
9. Submission of AQAR
10. Eco friendly practices
11. Participation in ARIIA

Apart from this, IQAC has collected feedback from all departments and analyzed for further improvement. IQAC also monitors teaching learning activities rigorously and tracking attainment of all program outcomes. All the quality initiatives are discussed in IQAC meetings .



IQAC coordinator



IQAC chairperson(Principal)

