

JAYAWANT SHIKSHAN PRASARAK MANDAL'S

Jayawantrao Sawant College of Engineering

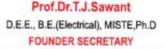
(Approved by AICTE, New Delhi, Govt of Maharashtra and Affiliated to University of Pune)
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IQAC ANNUAL REPORT 2021-22

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.

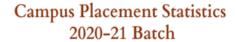
IQAC takes 360 degree feedback from all units of the institute.

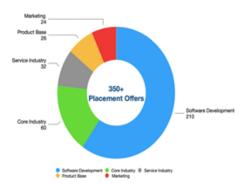
Enrollment ratio:

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.





Package Range	No.of.Offers
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	PLACEMENT	HIGHER	ENTREPRE-	PLACED/
YEAR		EDUCATION	NEURSHIP	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	1filed	2published	6 Internation	nal 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 &		All India institute of Ayurweda
Innovation Summit	1st prize in the category of Ayush	under the guidance of Ministry of
2022	Bio-instrumentations	Ayush
	Team Elespa HEV won platinum prize o-f	
Project Competition	Rs. 10 Lakh	KPIT Sparkle 2022
	Best Technical Club in Innovation –	I2OR Ministry of MSME (UDYAM)
Project Competition	International Award	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	SKILLFRONTCERTIFIED ASSOCIATE IN	
CERTIFICATION	SCRUM FUNDAMENTALS (CASF	SKILLFRON
Annual gathering meeting	"Outstanding Student Branch Counselor	
of IEEE Pune section	2021" award	IEEE
	certificate of appreciation for valuable	
	service and contribution as "IEEE Day	*****
IEEE Day 2021	2021 Ambassador"	IEEE
		Director of Technical Education
Regional Level Project		(DTE) in association with the
Competition	First Prize of Rs. 50,000/-	SPPU and AISSMSIOIT Pune
Startup Exchange awards	awarded for "Best Woman	
2021	Entrepreneur Innovation Category	startup India
		Director of Technical Education
Regional Level Project		(DTE) in association with the
Competition	First Prize of Rs. 50,000/-	SPPU and AISSMSIOIT Pune

Startup Exchange awards	awarded for "Best Woman	
2021		startup India

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	Competition	Award/ Prize /	No of	Total No of	National	Venue and
No	Name	Participation	Students	Teams	Level/	Year
					International	
					Level (Outside	
					of State/	
					Outside of	
					India)	
1	Smart India	FInalist	12	02		Karnataka
	Hacakthon 2020					
2	Smart India	Finalist	12	02	National Level	Tamilnadu
	Hacakthon					and
	20221-22					Raipur,CG
3	MIT-HUB 2020	1st Prize	05	01		MITADT,Pun
	(Team 1)					e
4	MIT-HUB 2020	2 nd Prize	05	01		MITADT,Pun
	(Team 2)					е
5	RTU- Pournima	1st Prize	06	02	National Level	Pournima
	Hacakthon 2021					University,Jai
						pur,
						Rajasthan
6	Hackverse 2021	2 nd Prize	03	01	National Level	NITK,
						Surathkal
7	Aatmanirbhar	Participation	8	02	National Level	Gujarat, India
	Hackathon					, 9 th -10 th July
						2020
8	Code Ovid	Participation	6	02	-	D.Y Patil
	Competition					,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	1st Prize (Mobile App Development)	04	01	National Level	DSC BVP ,Delhi
12	Google DSC Manifest 2020	2nd Prize (AR VR Domain)	04	01	National Level	DSC BVP,Delhi
13	Google DSC Manifest 2020	2 nd 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		Duration (from – to)
attended	Title of the program	(DD-MM-YYYY)
	One week FDP Emerging Trends in Electric Vehicle and	
	Infrastructure Developement	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
Dr. Gokhale Priya Nitin	Innovative teaching learning methods	10.5.2021-12.05.2021
	Future trends in renewable energy	15.3.2021-28.3.2021
	one day webinar electric vehicle career opportunities	25.9.2021-25.9.2021
Padhi Deepanjali	Innovative teaching learning methods	10.5.2021-12.05.2021
Nandargi Kiran		
Naganath	Innovative teaching learning methods	10.5.2021-12.05.2021
	Machine Learning Applications in Mechanical	13-12-2021 to 17-12-
DR. PRADEEP PATIL	Engineering	2021
		06-07-2021 to 06-07-
DR. PRAKASH KADAM	Industrial Safety Management	2021
		22-11-2021 to 02-12-
DR. MAHESH GAIKWAD	Advances and Applications of AI and ML	2021
PROF. SHIVANAND		03-06-2021 to 03-09-
TALWAR	ELECTIVE - II Surface Engineering (302052-B)	2021
		17-12-2021 to 18-12-
PROF. SANDEEP PATIL	Industry 4.0 & IOT: Opportunities and Challenges	2021

	Machine Learning Applications in Mechanical	13-12-2021 to 17-12-
PROF. SANDEEP PATIL	Engineering	2021
	Smart manufacturing - Scope and challenges in	17-01-2021 to 21-01-
PROF. SANDEEP PATIL	research	2021
PROF. SHEKHAR		22-11-2021 to 02-12-
GULWADE	Advances and Applications of AI and ML	2021
	Machine Learning Applications in Mechanical	13-12-2021 to 17-12-
PROF. MAHESH SHINDE	Engineering	2021
	Smart manufacturing - Scope and challenges in	17-01-2021 to 21-01-
PROF. MAHESH SHINDE	research	2021
PROF. AMRUTA		21-06-2021 to 25-06-
RANANAWARE	Design Thinking	2021
PROF. AMRUTA	-	22-11-2021 to 02-12-
RANANAWARE	Advances and Applications of AI and ML	2021
PROF. AMRUTA	SYLLABUS IMPLEMENTATION WORKSHOP ON Elective	28-07-2021 to 28-07-
RANANAWARE	-1	2021
DR. JAHIER ABBAS		22-11-2021 to 02-12-
SHAAIKH	Advances and Applications of AI and ML	2021
PROF. MANISHA		26/07/2021-
NALAWADE	FDP on Data Science and Artificial intelligence	30/07/2021
PROF. SUCHITRA		
DHANAWADE	FDP on Machine learning and lab practice	26/07/2021
	FDP on "Data Science" by AICTE Training and	
PROF. SUVARNA PAWAR	Learning(ATAL) Academy	01/07/21 to 05/07/21
		26/07/2021-
Prof. S.G.Latake	FDP on Data Science and Artificial intelligence	30/07/2021
	5 days online FDP inculcating Universal Human Values	19/7/2021 to
Prof. S.G.Latake	in technical education organised by AICTE	23/7/2021
		02/02/2021 to
Prof. Rupali Parte	Microprocessor & Microprocessor Laboratory	04/02/2021
Prof. Hyder Ali	Programming for Everybody(Getting started with	
Nooruddin Hingoliwala	Python)	23/02/2021
	1. AICTE Training & (ATAL) Learning Academy	
Prof. Sharmila Shinde	"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
	FDP on inculcating universal human values in	
Dr. V. N. Khan	technical education	19.7.2021-23.7.2021
	FDP on inculcating universal human values in	
POOJA SORTE	technical education	19.7.2021-23.7.2021

	FDP on inculcating universal human values in	
AratiDespande	technical education	19.7.2021-23.7.2021
Audibespande	FDP on inculcating universal human values in	13.7.2021 23.7.2021
T S Mote	technical education	19.7.2021-23.7.2021
1 3 1410 CC	FDP on inculcating universal human values in	13.7.2021 23.7.2021
S V Malewar	technical education	19.7.2021-23.7.2021
Dr. Nilesh alone	FDP on inculcating universal human values in	13.7.2021 23.7.2021
DI. MICSH dione	technical education	19.7.2021-23.7.2021
Dr. Abhijit Dandavate	FDP on inculcating universal human values in	
Dr. Abriljie Baridavate	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
		26/07/2021 to
	NPTEL Course on Database Management System	17/09/2021
Manjare Chandraprabha	Faculty Orientation Workshop on Database	7/22/2021 to
Anil	management	24/07/2021
		7/30/2021 to
Sardar Vijay Madhukar	Faculty Orientation Workshop on Skill Development	31/07/2021
Navandar Rajesh	Faculty Orientation Workshop on Electromagnetic	7/22/2021 to
Kedarnath	Field Theory	24/07/2021
Gumaste Pratima	Faculty Orientation Workshop on Project	27/01//2022 to
Purushottam	Management	29/01/2022
Ingale Devendra	Faculty Orientation Workshop on Fundamentals of	26/07/2021 to
Gajananrao	Java Programming	28/07/2021
		22/07//2021 to
	Faculty Orientation Workshop on Microcontroller	24/07/2021
	Faculty Orientation Workshop on Power Devices &	27/01/2022 to
	Circuits	29/01/2022
Lembhe Varsha	FDP on Introduction to Industry 4.0 and Industrial	24/01/2022 to
Vasantrao	Internet of Things	15/04/2022
	Faculty Orientation Workshop on Electromagnetic	22/07/2021 to
	Field Theory	24/07/2021
Malewar Satish	Faculty Orientation Workshop on Digital Signal	06/07/2021 -
Vasantrao	Processing	28/07/2021
	Faculty Orientation Workshop on Database	22/07/2021 to
	Management	24/07/2021
Biradar Balbhim	Faculty Orientation Workshop on Embedded	31/01/2022 to
Shivajirao	Processors	2/2/2022
Wakure Suvarna		31/01/2022 to
Ashokrao	Faculty Orientation Workshop on Network Security	2/2/2022
	Faculty Orientation Workshop on Digital	22/07/2021 to
Gawade Rohit Dilip	Communication	24/07/2021

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

The list of programs conducted during the year:

Name of the capacity development and skills	Date of implementation	Number of students	
enhancement program	(DD-MM-YYYY)	enrolled	
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	
227.2	11-07-2022 to15-07-	70	
PPT Presentations	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.

Academic year	Total Students	COMP	ELECT	ETC	MECH	IT
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)