



Jayawant Shikshan Prasarak Mandal's

# RAJARSHI SHAHU COLLEGE OF ENGINEERING, PUNE-33

(An Autonomous Institute, Affiliated to SPPU, Approved by AICTE)  
(Jan 2022- June 2022)



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Rajarshi Shahu College of Engineering is one among the hallmark institutes of Pune, established in 2001 with the aim of providing quality technical education and excellence in the ever expanding horizon of technical revolution of 21st century. The institute is becoming an icon in the field of Engineering education in the state of Maharashtra. It is nurtured and managed by Jayawant Shikshan Prasarak Mandal Trust. The Institute is approved by the All India Council for Technical Education (AICTE), New Delhi and Govt. of Maharashtra affiliated to Savitribai Phule Pune University.

All under graduate programs have been accredited by three times National Board of Accreditation New Delhi, RSCOE is also accredited by NAAC with "A" grade (CGPA 3.26). Recently UGC has accorded Autonomy to RSCOE which empower RSCOE to design contemporary curriculum, which is relevant to industry so as to maximize employability of graduates. The curriculum is designed in collaboration with various MNCs and IIT like TCS, Persistent, KPIT, Veritas, Bentley Systems, BAI, IIT Ropar etc. The institute has received "**Best Professional College Award (Urban Category)**" by SPPU, Pune. The institute is also listed in 2(f) and 12(b) category of UGC Act. Institute is winner of AICTE-CII award in Platinum Category for consecutive two years 2017-18, 2018-19. Govt of India, MHRD – NIRF has ranked RSCOE in band of top 251 to 300 colleges of India, in the year 2020. From academic year 2019-20 UGC has confirmed autonomous status to the college. RSCOE is ranked in top 100 at India Level by India Today and Outlook, survey conducted by India Today – MDRA & Outlook, 2020.

The institute has 4 post graduate programs of Engineering (ME-Computer, ME-VLSI and Embedded system, ME - Structures, ME – Design) and one each of MBA, MCA. RSCOE is a recognized "**Ph.D. Research Center**" for Mechanical, Civil and E&TC by SPPU.

## VISION

“To satisfy the aspirations of youth force, who want to lead the nation towards Prosperity through techno-economic development”.

## MISSION

“To provide nurture and maintain an environment of high academic excellence, research and entrepreneurship for all aspiring students, which will prepare them to face global challenges maintaining high ethical and moral standards”.

## QUALITY POLICY

“We at Rajarshi Shahu College of Engineering are committed to maximize student satisfaction through improved performance by imparting value based quality education”.

## MILESTONES ACHIEVED

- Awarded as “**Best Professional College**” under urban category by University of Pune (Currently SPPU).
- Accredited by Tata Consultancy Services (TCS).
- TAL Center of Excellence for Robotics and Automation.
- Collaboration with Foreign Universities UTKM, KMITL Thailand, National University Singapore, University of Malaysia Pahang, and Multimedia University Malaysia – RSCOE students can complete one semester of their course at foreign university & the credits will be transferred to their parent institute.
- Govt. of India MHRD-NIRF 2020 ranking in the band of top 251-300.
- Ranked in top 100 at India Level by India Today, survey conducted by India Today – MDRA, 2020

## WORKSHOP/SEMINAR/TRAINING/STTP/FDP ORGANIZED BY DEPARTMENTS



- Three Days workshop a session on “**IOT**” was organized by Electronics & Telecommunication Department on 11th - 13th April 2022 for S.Y., T.Y. B.Tech., BE Students. The resource persons were Mr. Chittaranjan Mahajan, Dolphin Labs. The coordinator were Prof. R.A. Deshmukh and Prof. V.H. Bhutnal.

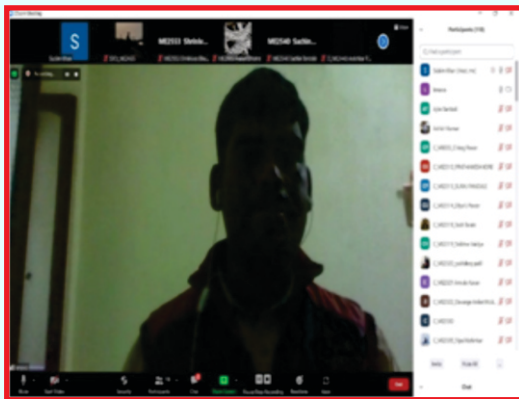


- Two-Days Workshop on “**Machine Learning**” was organized by Electronics & Telecommunication Department on 31st March and 01st April, 2022 for T.Y. B.Tech. Students. The resource person was Mr. Vaibhav Bajaj. The coordinator was Prof. A.D. Kulkarni.



- A session on “**Capital Budgeting Concepts**” was organized by MBA department on 18th April 2022 for T.Y. B.Tech. Students. The resource person was Mr. Nitin Gumaste.

- An expert session on “**3D Printing Technologies and Additive Manufacturing**” organized by Mechanical Engineering department on 22nd March 2022 for BE students. The resource person was Mr. Ravi Patil, National Head, DesignTech Systems Pvt. Ltd. Pune. The coordinators were Dr. Sanjay Kumar Patel and Dr. R. R. Arakerimath.

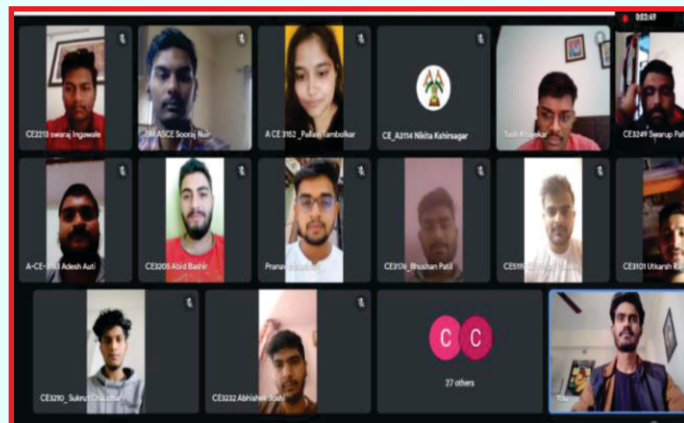


- Guest lecture series by :IISc./IIT/NIT/Foreign Universities/Deemed universities on “**Processing techniques of Green composites Materials**” was organized by Mechanical Engineering department on 17th Feb. 2022 for SY, TY students. The resource person was Dr. Nitish Kumar, NIT, PATNA, India and the coordinators were Prof. Ashish Kumar and Dr. N. A. Patil.

- Two-Days Workshop on “**Auto CAD**” was organized by Civil Engineering department on 5th Feb. and 12th Feb. 2022 for S.Y. and T.Y. B.Tech. students. The resource persons were Sooraj Nair (President, ASCE) and Om Naik (Vice President, ASCE). The coordinator was Dr. Minaxi Rai Sharma.



- **“LOGO Making Competition”** was organized under Digital India on 22nd Feb. 2022 for FY Students. The coordinators were Prof. B.B. Gadekar, Dr. Manasi P. Deore.



## WORKSHOP/SEMINAR/TRAINING/STTP/FDP ATTENDED BY FACULTY

- Dr. P.B. Kumbharkar attended workshop on **“Project Based Learning (PBL)”** at AISSMS College of Engineering, Pune from 21st Feb. 2022 to 26th Feb. 2022.
- Prof. K.P. Mohalkar attended One Week FDP on **“Data Science”** at PCET's Pimpri Chichwad College of Engineering and Research, Pune during 19th -24th April, 2022.
- Dr. S.C. Wagaj attended NPTEL Online certification on **“Digital IC Design”** at NPTEL IIT, Madras during Jan-April 2022.
- Dr. S.A. Bhisikar attended AICTE-ISTE Approved Orientation Refresher Programme on **"IOT & Computer Vision"** during 17th -22nd Jan. 2022.
- Prof. S.D. Kale attended One week Online FDP on **“Free & open source software for Electronics & Electrical Engineering”** at N.B. Navale SCOE, Solapur during 26th June -2nd July 2022.
- Prof. Aabid C. Mulla attended One Month Internship on Electric Vehicle Design at Pantech E-learning Pvt. Ltd., Chennai during 2nd- 3rd Feb. 2022.
- Prof. R. A. Panherkar attended One Week FDP on **“Recent Trends in Renewable Energy”** at Marathwada Mitra Mandal's COE, Karvenagar, Pune during 22nd- 26th March, 2022.

## STUDENTS ACHIEVEMENTS



- Siddhant Ban won 1st prize at Charcoal Painting in Firodia Karandak 2022.
- Girikesh Jawale won 1st prize at Fumage Art in Firodia Karandak, 2022

- 3rd prize at Innovative Technology Challenge 2022 organized by PCMC.



- Mr. Chaitnya Ahpale BE IT won Gold medal in National Sketting Championship, 2022.

- Team RedLine Racing from Mechanical Engineering department bagged following honors in e-SUPRA -2022 among 150+ Teams.
- Overall Rank -8th
- Procurement Report- 2nd
- Si/Ai Report – 6th
- Engineering Design – 10th
- Team Management – 15th



- Team Mechagnis participated in National Level “Tifan -2022” Competition hosted by SAE , India in association with John Dheere & Mahindra in June 2022.



## RESEARCH PAPER PUBLICATIONS

- Dr. Mane Deepak T. published a paper on **“Deep Learning for COVID19: Detection Based on Chest X-Ray Images by the Fusion of Deep Learning and Machine Learning Techniques”** at Springer-Studies in Computational Intelligence-Understanding COVID-19: The Role of Computational Intelligence, 2021-22.
- Prof. K. P. Moholkar published a paper on **“Lioness Adapted GWOBased Deep Belief Network Enabled with Multiple Features for a Novel Question Answering System”**, at International Journal on Uncertainty fuzziness and Knowledge based system, 2021-22.
- Dr. S.M.Chaware published a paper on **“Covid-19 Face Mask Detection Using Convolutional Neural Network: Proposed System”** at International Journal of Scientific Research in Engineering and Management, Volume 6, Issue 5, May 2022.
- Dr. Patil Shailaja C. published a paper on **“Energy aware MAC protocol with mobility management in Wireless Body Area Network”** at Peer to peer networking and applications, 2022.
- Dr. Shahapure Shrishaila Sivabasapa presented a paper on **“Impact analysis of land use land cover using remote sensing and gis - A case study of Khadakwasala regime”** at AIP Conference 2022.
- Dr. R. R. Arakerimath published a paper on **“Multi-response optimization of friction stir welding process of dissimilar Aa3003- H12 and C12200-H01 alloys using full factorial method”** at Journal of Process Mechanical Engineering, 2022.
- M. Ilango , Dr. A. V. Senthil Kumar , Dr. Binod Kumar published a paper on **“Meta-Heuristics–Fireflies Correlated Algorithm for Optimized Routing in Manets”** at Springer, 2022.
- Lida Bamizadeh, Dr. Binod Kumar, Dr.Ajay Kumar published a paper on **“Software Intelligence through Knowledge Management of Document Repositories”** at IEEE Xplore, 2022.

## AWARDS/ACHIVEMENTS BY THE FACULTY

- Dr.S.C.Patil awarded as **“IP RECOGNITION AWARD”** by FICCI Bhavan, Delhi, 2022.
- Dr.S.V.Kedar approved as Research Guide by SPPU 2022.
- Dr. Avinash Badadhe is nominated as Member, BoS ( Mechanical & Automobile Engg) at SPPU, Pune
- Dr. Prakash S. Patil awarded Ph.D. from SPPU, Pune, 2022.
- Dr. Anuja Karale awarded Ph.D. from SGGS, Nanded, 2022.
- Dr. Nilesh Jawarkar awarded Ph.D. from SGBAU Amravati, 2022.
- Dr.Shrinidhi Campli awarded Ph.D. from VTU, Belgum, 2022.

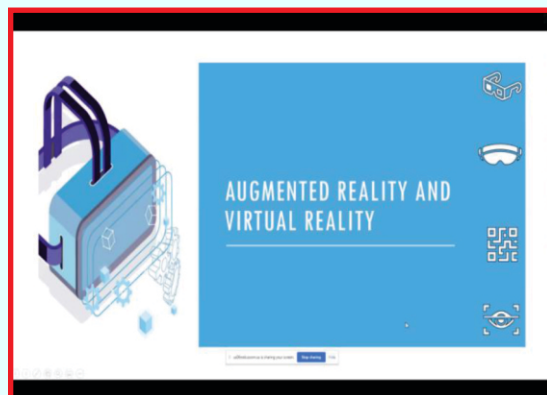


- Dr. R. A. Deshmukh awarded Ph.D. from Dr. Babasaheb Ambedkar Technical University Lonere, 2022.

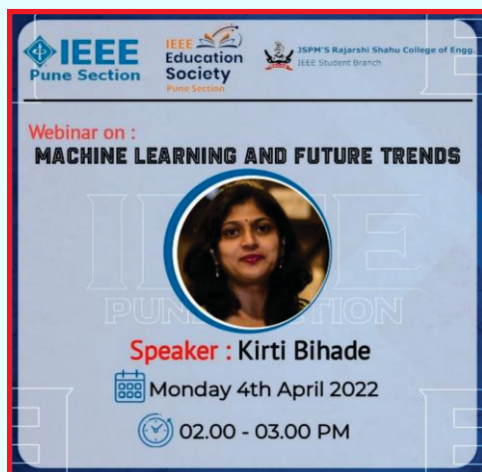
## PROFESSIONAL CHAPTER ACITIVITIES

### ACM ACTIVITY

- Webinar on **“Augmented Reality/Virtual Reality (AR/VR)”** on 22nd April, 2022 for SY and TY Students. The expert was Mr. Ketan Gaikwad, Senior AR/VR/MR Unity Developer, Wipro Ltd.



### IEEE ACTIVITY



- Webinar was organized on **“Machine Learning and Future Trends”** for SY and TY students on 4th April, 2022. The expert was Ms. Kirti Bihade.

## PLACEMENTS

- No. of Company Visited- 250+
- No. of Students placed- 652\* (Ongoing)
- No. of Offers- 1050+
- Maximum Salary- 42 LPA

## GLIMPSES OF ACTIVITIES




- RSCOE successfully hosted the National **Inter-college Cryptic Crossword Expedition -2022** for the West Zone on 27th June 2022 which is jointly organized by AICTE and UGC.

- Team CiPHER of RSCOE participated in Final National Round of DD ROBOCON -2022 held at IIT Delhi during 15th – 17th July 2022.












- Participation by our students in Firodiya Karandak, 2022.





**JSPM's**  
**Rajarshi Shahu College of Engineering**  
Pune-411033



 <b>Best College Award from ISTE 2020</b>	 <b>NBA</b> <small>NATIONAL BOARD OF ACCREDITATION</small>	 <b>NAAC</b> <small>NATIONAL ACADEMIC ACADEMY COUNCIL</small>	 <b>AICTE</b> <small>ALL INDIA INSTITUTE TECHNOLOGY</small>	 <b>nirf</b> <small>NATIONAL INSTITUTE RANKING FRAMEWORK</small>	 <b>UGC</b> <small>UNIVERSITY GRANTS COMMISSION</small>	 <b>INDIA TODAY</b> <small>AWARD</small>	 <b>TCS</b> <small>ACCREDITED</small>
	ALL UG Courses	Grade 'A' CGPA 3.26	Platinum Grade	NIRF 251-300	2F & 12b by UGC	India Today Award	Accredited by TCS