Annual Report 2023-2024

Rajasthan College of Engineering for Women (RCEW) is an institution of excellence, imparting high-quality education in the fields of Engineering and Management. Established in 2002, the institution is approved by the All India Council for Technical Education (AICTE) and is affiliated with Rajasthan Technical University (RTU), Kota. RCEW is strategically located near National Highway No. 8 (Jaipur–Ajmer).

At RCEW, we currently offer undergraduate and postgraduate programs, including B.Tech. in Electronics & Communication Engineering, Computer Engineering, Electrical Engineering, and Civil Engineering, as well as MBA, MCA, and M.Tech. courses. We are proud to announce that RCEW has achieved NAAC B++ accreditation. At RCEW, we emphasize not only the dissemination of knowledge but also its continuous creation as part of the learning process. Our students and faculty have established an excellent platform to share professional knowledge and expertise among themselves and with others. Students from across India, including Rajasthan, West Bengal, Jammu & Kashmir, Uttar Pradesh, Bihar, Jharkhand, and other states, seek admission to RCEW.

The testimony is the selection of its students in RTU academic TOP-10 each year. Our cause & reputation is supported by top-notch MNCs & leading companies such as **Igalia, AB InBev, GOLDMAN SACH, COMVIVA, PHILIPS, MICROSOFT, BOSCH, JOHN DEERE, SAP LABS, AEECOM, HPE, MAHINDRA, IBM, ERICSSON, CAPGEMINI, DIRECTI COMPANY and lots more.**

Vision

With the noble vision, RCEW could create a supportive and inclusive community that helps women to feel valued and respected. This could include providing networking opportunities, mentoring programs, and leadership training. In addition, RCEW could actively encourage women to pursue engineering by offering scholarships, mentoring programs, and other resources that help them overcome any obstacles they may face in pursuing a career in engineering. We want to emphasize innovation and creativity in engineering, encouraging women to think outside the box and develop new solutions to complex problems. We want to see every woman as a top community creator by creating a supportive and inclusive learning environment and providing top-notch education and training; such a college could help women achieve their full potential and significantly contribute to the engineering field.
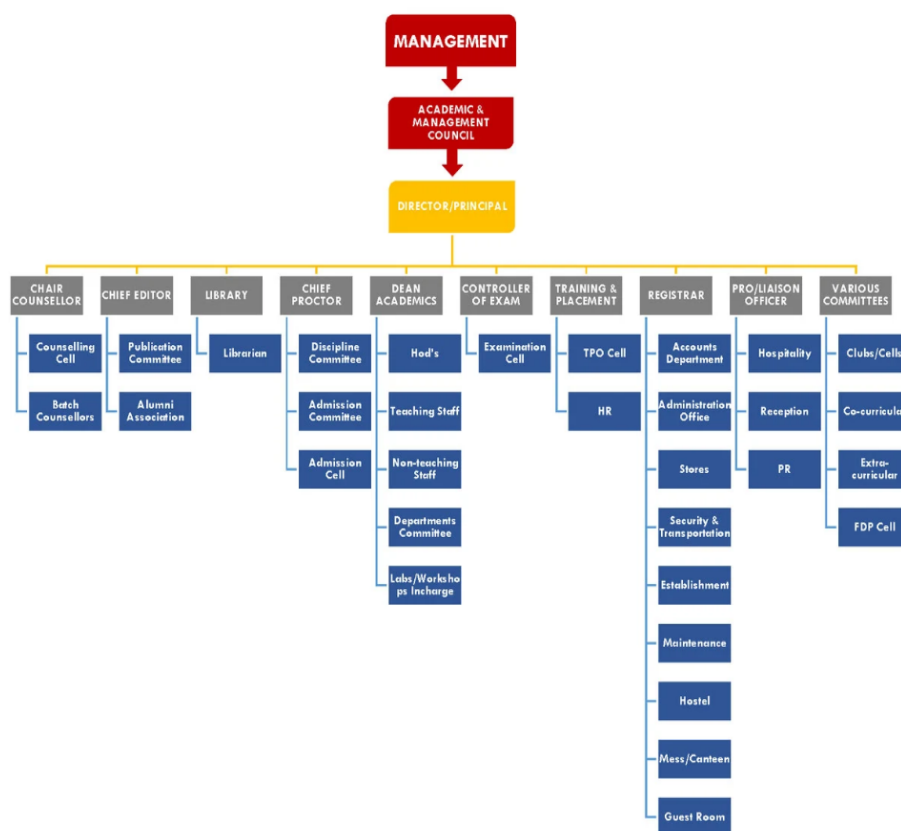
Mission

To Provide top-notch education and training focusing on theory and practical applications. The curriculum could be designed to be challenging and rigorous while providing opportunities for hands-on experience and real-world projects. We want to create a technical workforce to meet the current and future demands of the industry. To recognize education and research in close interaction with industry and emphasis is given to the development of leadership qualities in the students entering the portals of the Institute with sensitivity to social development and an eye for opportunities for growth in the international perspective.

Strategic plan

- Proposal for NBA, NIRF and other qualitative and quantitative initiatives.
- Improve Institute grade in NAAC

RAJASTHAN COLLEGE OF ENGINEERING FOR WOMEN
(Affiliated to Rajasthan Techinical University, Kota & Approved By AICTE, Govt. of India)
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Extd. 2002
ISO 9001:2008

- Apply to AICTE for new Branch AI or Data Science as per the industry trends
- Follow the NEP 2020 in upcoming session & introduce Vocational Courses in some of
- the Departments.
- Facilitate continuous upgradation and updation of knowledge and use of trending
- technology by faculty members and students as per the industry/market requirement.
- International/National Conferences/Workshops/Seminars/FDPs will be organized in
- association with IQAC and other organizations. Students and Teaching staff will be
- participated and presented their research work in various International/National
- Conferences/Workshops/Seminars/FDPs and training program.
- Continuous Professional Development of faculty by motivating them to increase the
- number of publications in reputed journals
- Enhance IIC Rating
- To strengthen Industry-Institute Interaction
- Plan to launch Alumni Portal to strengthen relation with Alumni.
- To facilitate continuous up-gradation and use of ICT by faculty members and students.
- Seeking grants and funds for various prjects/researchs.
- Preparing for AQAR 2023-24.
- Improve Institute grade in NAAC
- Proposal for NBA, NIRF and other qualitative and quantitative initiatives.

Organizational Structure of RCEW:

Achievements of RCEW -Academic Session 2023-2024

1. Accreditation and certification of RCEW
- NAAC
- QIV
- IIC
- ISO
- Educational Summit

2. Organized educational award (CEEA-23)

ICT Based Education:

RCEW uses the list of following ICT tools to support, enhance & optimize the delivery of education more efficiently among students .
1. Projectors- 54 projectors are available in different classrooms/labs.
2. Desktop/Laptops- Arranged at Computer Lab and Faculty cabins.
3. Printers- Installed at Labs, HOD Cabins & all prominent places.
4. Photocopier & Scanners - Multifunctional printers are available at all prominent places
5. Seminar Rooms- 5 seminar halls are equipped with all digital facilities.
6. Smart Board- 3 smart boards are installed in the campus.
7. Online Classes through Zoom, Google Meet, Microsoft Team, Google Classroom
8. Hacker Rank (Online Coding Platform)- inter college competition
9. MOOC Platform (NPTEL, Coursera, SAP, Udemy, Edx etc)

Number of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy during the year

Year	Number of seats earmarked for reserved category as per GOI or State Government rule					Number of students admitted from the reserved category				
	SC	ST	OBC	Gen	Others	SC	ST	OBC	Gen	Others
2023-24	45	33	57	153	94	1	1	24	68	1

Number of Teachers in current session:

Year	Number of teachers	Number of PhD teachers
2023-24	70	21

Faculties as Research Scholars in the current year:

1. Ms.Preeti Bohra

2. Ms.Surbhi Maheshwari

3.Mr.Anshul Mathur

4. Ms.Siya Sharma

Pass percentage of Students during the year

Year	Program Code	Program Name	Number of students appeared in the final year examination	Number of students passed in final year examination
2024	6	B.Tech. - CSE	48	48
2024	9	B.Tech. - ECE	2	2
2024	5	B.Tech. - CE	2	2
2024	7	B.Tech. - EE	0	0
2024	24	M.Tech. - CSE	1	1
2024	18	M.Tech. - DC	2	2
2024	17	M.Tech. - PS	0	0
2024	277	MBA	6	6
2024	223	MCA	8	8

Workshop/FDPs organized for faculties:

Type of Activity	Name of the Activity	Date
Technical	Innovations in communications & Computations	14-11-2022 to 15-11-2022
	Applications of AI-Machine Learning and Soft	19-12-2022 to 23-12-2022
	IOT	29-08-2022 to 30-08-2022
	Data Analytics Using Python	15-07-2023
	Data Science	20-09-2022
	Electrical And Electronics Engineering	14-11-2022 to 18-11-2022
	New Building Design and Construction	26-11-2022
	Opportunities and Challenges In Civil Engineering	2-08-2023 to 4-08-2022
	Latest Trends and Developments in Microprocessor	16-08-2022 to 18-08-2022
	Latest Trends In Electromagnetic Theory And	14-11-2022 to 18-11-2022
	Workshop on foster the culture of Innovation &	22-12-2022
	Intellectual Property Rights (IPR) Awareness	07-01-2022
	Intellectual Property Rights (IPR) Programme	15-07-2022
	RCEW-IIC: Session on Problem Solving and	15-09-2022
	One day Seminar on Incubation, Innovation and	01-10-2022
	Stress Management	28-05-2022
	IIC Problem Solving	15-09-2022
	Recent Development in Civil Engineering &	04-06-2023
	"Recent Trends in Electronics, Wireless	08-02-2023
	Application of Mathematical Modelling	3-03-2023 to 4-03-2023
	Computational Approach in Big Data Analytics	30-01-2023 to 3-02-2023
	Big Data Analytics	13-03-2023 to 17-03-2023
	Deep Learning For NLP	27-04-2023 to 28-04-2023

	Image Processing	8-12-2022 to 9-12-2022
	Embedded system	16-01-2023 to 20-01-2023
	Experiential Learning & ERA 4.0 & ERA 4.0	6-01-2023 to 7-01-2023
	Designing & Drafting on Stadd Pro	6-02-2023 to 10-02-2023
	Robotics & Artificial Intelligence	12-05-2023 to 14-05-2023
	Recent Trends In MATLAB & its application	27-03-2023 to 29-03-2023
	Recent Trends In Mems And Nanoelectronics:	13-02-2023 to 17-02-2023
	Workshop on Technology Advancement	27-02-2023
	Research Methodology and Research Ethics	06-03-2023 to 10-03-2023
	Deep Learning and its related fields	25-03-2023
	Ananya SAP Labs full circle employability skilling	31-03-2023
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Commemorative Days	Environment Day	
	Kargil Diwas	
	World Nature Conservation Day	28-07-2023
	International Tiger Day	29-07-2022

	Independence Day	15-08-2023
	National Sports Day	29-08-2022
	Birth Anniversary of Dr. Sarvapalli Radhakrishnan	05-09-2023
	Hindi Diwas	14-09-2023
	Engineers' Day	15-09-2023
	Bhartiya Bhasha Diwas	29-09-2023
	Mahatma Gandhi Jayanti	02-10-2023
	World Nature Day	03-10-2023
	National Unity Day	31-10-2023
	Tribal Pride Day on Bhagwan Birsa Munda Jayanti	15-11-2023
	National Journalism Day	17-11-2022
	Jaipur Sthapna Diwas	18-11-2022
	Day of Deaf	26-11-2022
	Republic Day	26-01-2024
	National Science Day	28-02-2024
	Women's Day	08-03-2024
	World Heritage Day	18-04-2024
	Mothers' Day	14-05-2024
	International Yoga Day	21-06-2024
Cultural	Fresher's Party	
	Adieu 2024	
	Orientation cum Induction Program 2024	
	Zeal 2024	

Up gradation of knowledge of faculties by attending various technical activities:

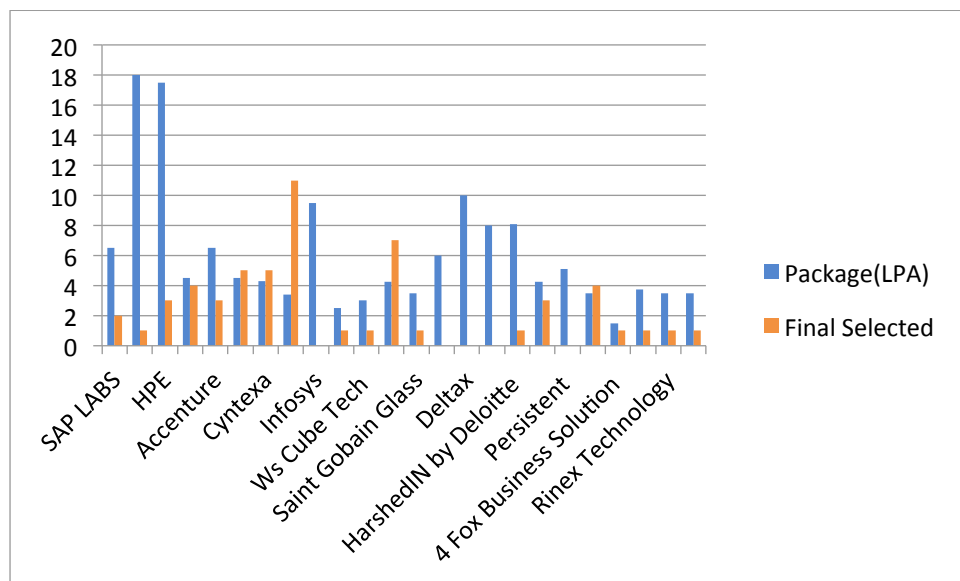| Sr.No	Name of the FDP/Workshop
1	Innovations in communications & Computations
2	Applications of AI-Machine Learning and Soft Computing Techniques
3	IOT
4	Data Analytics Using Python
5	Data Science
6	Electrical And Electronics Engineering Advancement
7	New Building Design and Construction
8	Opportunities and Challenges In Civil Engineering
9	Latest Trends and Developments in Microprocessor & Microcontroller Applications
10	Latest Trends In Electromagnetic Theory And Transmission Lines With Emphasis On
11	Workshop on foster the culture of Innovation & Entrepreneurship
12	Intellectual Property Rights (IPR) Awareness Programme
13	Intellectual Property Rights (IPR) Programme
14	RCEW-IIC: Session on Problem Solving and Ideation Workshop
15	One day Seminar on Incubation, Innovation and Start-ups
16	Stress Management
17	IIC Problem Solving
18	Recent Development in Civil Engineering & Technology" (NCRDET-23)
19	"Recent Trends in Electronics, Wireless Communication & Computing Systems"
20	Application of Mathematical Modelling
21	Computational Approach in Big Data Analytics Applications
22	Big Data Analytics

23	Deep Learning For NLP
24	Image Processing
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32	Research Methodology and Research Ethics
33	Deep Learning and its related fields
34	Ananya SAP Labs full circle employability skilling

Paper Publications by Faculties:

Sr.No.	Name of the Paper	Faculty Name
1	An Analysis of the Obstacles Faced by Microgrids and their Potential	Ms. Apurva Vashisth
2	DECTBEEP:A Noval Differential Evaluation Clustering Tree Based Energy Efficient Protocol for Data Aggregation in Context of WSN	Mr. Roshan Jain
3	New Approach of Biometric Based Security Implementation in WSN	Mr. Rajveer Singh
4	DECTBEEP:A Noval Differential Evaluation Clustering Tree Based Energy- Efficient Protocol for Data Aggregation in Context of WSN	Dr. Subhash Chandra
5	FTXNET: Fasion Product Image Classification using Finetuned Pretrained Xception Net Architecture	Dr. Subhash Chandra
6	Quality improvement in inner bore grinding rejection of ball bearing by using six-sigma methodology	Dr. Shraddha Arya
7	Faults in Power System : A Review	Ms. Apurva Vashisth
8	A Review on Energy- Efficient Data Gathering Protocolin Industrial Automation Application	Dr. Subhash Chandra

Placements 2023-24

No of Companies	Average Package	No of Refused Placement	Total No. of Students	No .of Selected Students	Pecentage of Placed Students
25	6.18	8	67	57	85

Participative nature of RCEW:

RCEW actively promotes social responsibility and community engagement through various initiatives:

- **National Service Scheme (NSS):** RCEW manages the NSS unit, providing students with opportunities to participate in social service projects that address real-world issues and contribute to the community's well-being.
- **Tree Plantation:** Initiatives aimed at increasing green cover and environmental conservation.
- **Road Safety Awareness:** Awareness programs to educate the community about road safety, emphasizing the dos and don'ts while driving or riding.
- **Helping Hands Club:** A student-managed club that donates food, clothing, and essential items to impoverished areas, aiming to uplift the lives of those in need.
- **Visit to Shelter Homes:** Students visit old-age homes and orphanages, spreading joy and companionship to the residents.
- **Slum Area Visit:** Students experience humanity in slums and counsel residents on government initiatives like PMAY and slum-free India.
- **Empowering Women:** Various activities, such as women's sanitation, self-defense training, and awareness of women's rights, are conducted to empower women in the neighborhood.
- **Medical Camps:** The institute organizes medical camps to provide healthcare services to the community.
- **Career Counseling:** The Career Counseling Cell helps students explore diverse career opportunities.

Additionally, RCEW organizes campus cleaning drives (Shramdan), personality development workshops, village adoption initiatives, and awareness campaigns to further its commitment to social responsibility.

Best practice

Best Practice 1 : Mentor-Mentee Schemes

Best Practice 2 : Teaching-Learning (Student Centric)

Best Practice 3: Placement Program