

Estd. 1989

# SIR C.R. REDDY COLLEGE OF ENGINEERING

ELURU - 534 007, Eluru Dist., A.P., INDIA

ACCREDITED BY NBA, APPROVED BY ALL INDIA COUNCIL FOR TECHNICAL EDUCATION, NEW DELHI,  
PERMANENTLY AFFILIATED TO JNTUK, KAKINADA

[www.sircrrengg.ac.in](http://www.sircrrengg.ac.in)



☎ OFF : (08812) 230840, 230565  
FAX : (08812) 224193  
Email : [principal.sircrrengg@gmail.com](mailto:principal.sircrrengg@gmail.com)

Ref. No.

Date : .....

## 7.3.1. INSTITUTIONAL DISTINCTIVENESS

Established in 1989, Sir CR Reddy College of Engineering is the flagship institute of the nearly eight- decade old Sir CRR Educational Institutions. Established as a service institution to cater to the needs of surrounding rural areas, it is a beacon of educational excellence dedicated to meeting the evolving needs of society. Situated in a vast green eco-friendly campus of 30 acres, it provides an ambience well suited to education. The institution is committed to producing top-tier engineers who will contribute to the nation's development. It's alumni are well placed in society in India and abroad.

The institution makes every effort to create a safe and welcoming campus environment. To ensure campus security, we have installed CCTV cameras throughout the campus. Our anti-ragging measures ensure students can enjoy their time on campus without fear of harassment. Separate student-managed Hostels for boys and girls are available within the campus catering to over 1500 students overseen by senior faculty acting as wardens and resident wardens. A dispensary with full-time medical staff is available to students and staff. Our institution also provides transport facilities and ample parking space for both faculty and students. With green vegetation, drip irrigation and water management systems to reduce water wastage and promote responsible consumption, environmental sustainability is a core value at the institution. Solar power facility of 250 kwp integrated with Grid supply caters to the needs of the institution and excess energy is fed back to the grid. A main and smaller RO water plants strategically located supply purified and protected water for consumption in the campus.

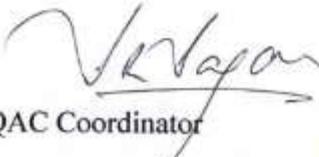
We employ a variety of innovative teaching strategies, including smart classrooms equipped with state-of-the-art hardware and multimedia-based interactive content. This approach fosters a more engaging learning environment, where students are actively involved in their education. Well-equipped laboratories; industrial visits cater to practical learning and exposing them to real-world industrial settings. We also provide WIFI facilities to facilitate

quick access to information. Additionally, our automated digital library, with over 60,000 volumes, provides a rich resource for academic and personal growth. It offers a range of materials, including text books, national and e-journals, aptitude books, and competitive exam materials, supporting both students and staff. Scholarships such as Mahila Cheyutha are available for deserving students, ensuring that financial constraints do not hinder their education. Soft skills training, Skill Development Centres equipped with over 15 labs from prominent multi-national companies such as Siemens, Dassault, AWS, etc, exclusive Veljan Hydraulic and Pneumatic Lab, ARC Robotic lab prepare students for the industry, leading to top-notch placements in MNCs.

Physical fitness is encouraged through our extensive sports facilities, including cricket pitches, basketball courts, and shuttle courts. A fully-equipped state-of-the-art gymnasium is available with separate facilities for boys and girls, promotes a healthy lifestyle among students and staff. Cultural activities are integral to our campus life, fostering cross-cultural understanding and appreciation. We actively engage in community service through our NSS unit, promoting social and environmental awareness among students. We also host hackathons and maintain a Robotics club to foster innovation and creativity among students. Yoga awareness programs and counselling services are also offered for holistic well-being.

Our institution maintains a strong alumni network for mentorship and support, ensuring that students are well-equipped for success beyond graduation. Faculty members are encouraged to participate in continuous learning and development through programs like Guru Samriddhi and faculty induction programs.

In conclusion, Sir CR Reddy College of Engineering is committed to providing a holistic education that prepares students for the challenges of the future. Our distinctiveness lies in our innovative teaching methods, commitment to sustainability, and focus on student well-being and success.

  
IQAC Coordinator



  
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Principal  
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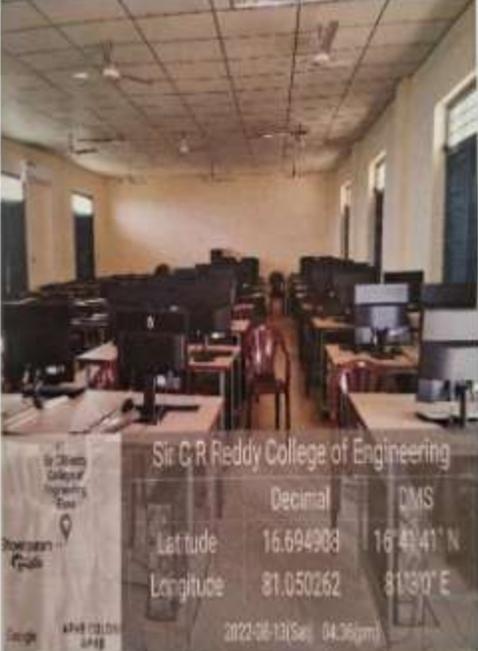
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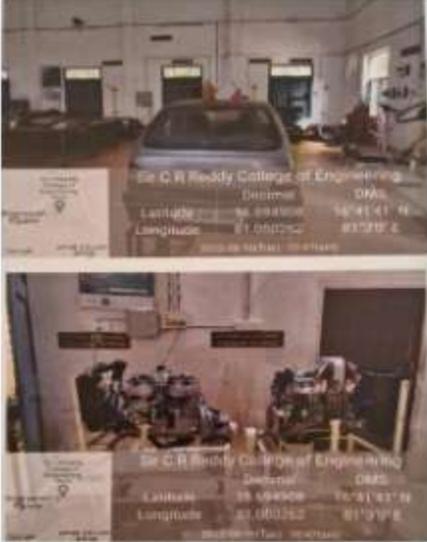


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## 1. Skill development centres

Lab Name	Lab Description	Photo with Gps
<b>Applied Robotics Lab:</b>	To develop the knowledge of our students in the fields of Mechatronics industrial manufacturing and Robotics. Our students will be trained and equipping them to industry ready by the time of graduation. The purpose of establishing the lab is to train the students on industrial robots with low cost.	
<b>VELJAN Hydraulics and Pneumatics Lab:</b>	Impart training on advanced pneumatic systems used in various industries and agricultural machinery applications. It is useful for mechanical engineering students to gain and apply knowledge in the design and operation of fluid power systems. The Veljan skill development centre comprises five labs, which include basic pneumatic, advanced pneumatic, hydraulic power packs, basic hydraulic, and advanced hydraulic.	

<p><b>Dassault Lab:</b></p>	<p>Impart training on 3D experience software CATIA ( Modelling ) , DELIMA (Digital Manufacturing ) and SIMULIA ( Simulation). Creating the virtual Twin Experience, performing design optimizations ,running different types of simulations and other project oriented activities.</p> <p>The lab imparts training especially to the students of mechanical and electrical engineering students of final and pre final year. It is useful design to which addresses all manufacturing organizations.</p>	
<p><b>CBT Lab:</b></p>	<p>In the CBT Lab, there are 84 systems with all accessories and M.S. Office. In this lab, students learn Geometry creation and simulation of objects. Here students use software SE294 &amp; NX CAD100 for drawings preparation and objects creation</p>	
<p><b>Two Wheeler Lab</b></p>	<p>2W Lab consists of major equipment like two hydraulic rams, Air compressor, spark plug cleaner and Tester, Exhaust Blower, Hydraulic power pack. Students learn complete aspects of maintenance and overhauling of 2 wheeler automobiles.</p>	

<p><b>Four Wheeler Lab:</b></p>	<p>4W Lab consists of major equipment like two post car lift(4T) ,Tyre changing machine Wheel alignment and wheel balancing machines. Here students learn complete aspects of maintenance and overhauling of 4 wheeler automobiles.</p>	
<p><b>CNC Lab:</b></p>	<p>In CNC Lab, there are two machining centres, one is JV55 Vertical milling machine and other one is smart urn lathe machine. In this lab , students manufacture object with different profiles using milling cutters and turning tools.</p>	
<p><b>Welding Lab:</b></p>	<p>Welding Lab consists of Major equipment like DC Arc welding rectifier set, Auto K 400 Welding Booth , gas welding set, spot welding machine, oxygen cylinders, Air compressor plasma cutting. Students learn complete aspects of Arc welding, Gas Welding and spot welding .In this lab there are number of lab welding tools available.</p>	

<p><b>Electronics office and electronics home lab:</b></p>	<p>To develop the knowledge of our students in the fields of industrial Electronics. Our students will be trained and equipping them to be industry ready by the time of graduation. The purpose of establishing the lab is to train the students with low cost.</p> <p>In this course, Introduction of various electronics devices and their applications ,mini projects using Arduino are discussed students are trained to workout different.</p>	  
<p><b>Amazon Web Services:</b></p>	<p><b>Objectives:</b> The purpose of establishing this lab is to enhance the skills of students and faculty by imparting training. Training students in line with the latest industry needs will make them more employable.</p> <p><b>Outcomes:</b> Students are able to learn and train on new technologies and learn employable skills. Faculty are able to learn and train in the latest industry technologies, which will be very useful to transfer that knowledge to students at our college.</p>	

*V. K. Lakshmi*  
**IQAC Coordinator**

*K. Venkatesh*  
**PRINCIPAL**  
**Principal**  
**Sir C.R.R. College of Engineering**  
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## 3. Green Campus

At our organization, environmental sustainability is a fundamental principle. Our campus is created with greenery and eco-friendliness in mind.





*N. K. Lakshmi*  
**IQAC Coordinator**

*K. Venkatesh*  
**PRINCIPAL**  
**Principal**  
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## 4. Water management methods

Imagining a life devoid of water is arduous due to its crucial role in ensuring survival. To imbue educators and learners with a deep understanding of the significance of water conservation. Our firm has employed several water conservation methods, such as drip irrigation and rainwater harvesting.

### Rain water Harvesting



### Drip Irrigation



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IQAC Coordinator

*K. Venkatesh*  
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## 5. Solar Parks



**SOLAR PLANT ON CENTRAL LIBRARY**



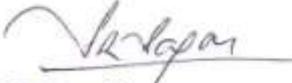
**SOLAR PANELS ON FED DEPARTMENT**



**SOLAR PLANT ON IT DEPARTMENT**

Energy is a critical component of a country's economic and environment development. The use of renewable energy sources can reduce greenhouse gas emissions and help mitigate the effects of climate change. To take the part of reducing greenhouse gas to protecting our environment, SIR C R REDDY COLLEGE OF ENGINEERING management established solar power plant in college premises. Total Installed Capacity of the plant 250kWp. This plant placed in three different places as given in the table below.

S.No	Location	Capacity
1	Central Library	110 kWp
2	FED Block	70 kWp
3	IT Department	70 kWp

  
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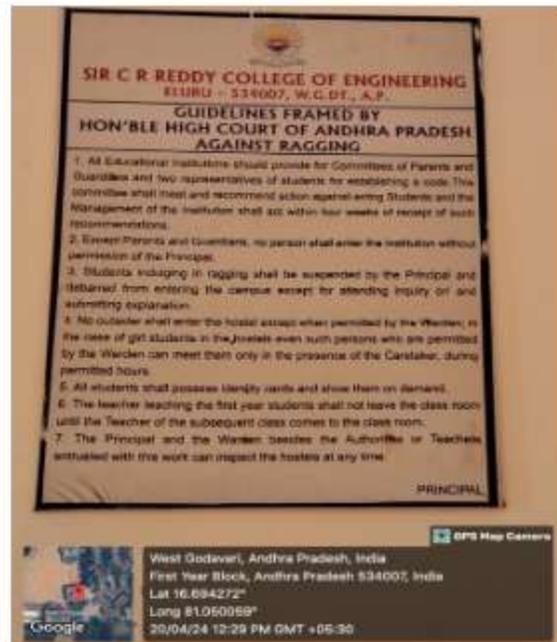
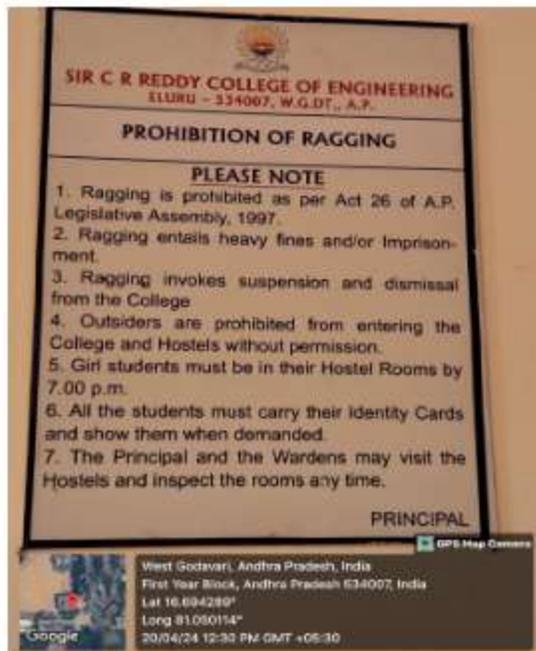
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## 6. Anti ragging

An anti Ragging committee at institutional level of establish measures for prohibiting, preventing and banning Activities of Ragging menace within and outside the campus accordance with AICTE/UGC Regulations, Supreme Court directives and state acts is constituted. The committee is responsible for taking action against those found guilty of Ragging and or betting Ragging actively or passively or being part of a conspiracy to promote Ragging.



  
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NAAC Accredited with "B" Grade  
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## IQAC

### 7. Yoga Events Event organized Report (2022-23)

Name of Department	Women Empowerment and Grievance cell & WIE Women Wing
Name of event organized	YOGA EVENT
Title of the event	Program on Yoga for Fitness
Date of event organized	03/05/2023
Name of the coordinator	Smt. T.Satya Nagamani
Target audience/participants Number of participants(students)	Female Staff & Students (54)
Name of the Expert with designation	G.SREELATHA,P.VIJAYALAKSHMI
Objective of the event	1) To enable the student to have good health. 2) To practice mental hygiene. 3) To possess emotional stability. 4) To integrate moral values. 5) To attain higher level of consciousness.
Outcome of the event	1.Bring about physical, mental and emotional health and necessary of lifestyle correction to the general public through yoga. 2. Become a Yoga therapist and encourages the integration of mind, body and spirit



*Satya Nagamani*  
IQAC Coordinator

*Sreelatha*  
PRINCIPAL  
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## 8. Student Management Hostels

Our institution maintains student-managed hostels to provide pleasant and secure lodging, as well as high-quality cuisine. The objective is to offer college students high-quality cuisine and lodging at an affordable price while fostering a healthy environment in the hostel.



### Boys and Girls Hostel Student Body Association Members and Memorandum of the Association:

**2012-2013**

**SIR C R REDDY COLLEGE OF ENGINEERING, ELURU**  
**STUDENT MANAGED BOYS HOSTEL**

A Meeting was held on **02/08/2012** for the election of new hostel through NRI Committee Members under Chairmanship of WARDEN at 10:30 AM. All were ready for the Analysis and (2012-13). The following list of members was elected as follows.

S.No.	Executive Members	Designation	Signature
1.	S. Sateesh Reddy	President	<i>S. Sateesh Reddy</i>
2.	D. Jeyaram Reddy	Vice President	<i>D. Jeyaram Reddy</i>
3.	S. V. S. Krishna Reddy	Secretary	<i>S. V. S. Krishna Reddy</i>
4.	D. Mahesh Krishna	Treasurer	<i>D. Mahesh Krishna</i>
5.	D. Rakesh	Joint Secretary	<i>D. Rakesh</i>
6.	U. Lakshman	Joint Secretary	<i>U. Lakshman</i>
7.	S. Suresh	Member	<i>S. Suresh</i>
8.	M. Chandu	Member	<i>M. Chandu</i>
9.	B. V. Srinivas Rao	Member	<i>B. V. Srinivas Rao</i>
10.	Ch. M. Srinivas	Member	<i>Ch. M. Srinivas</i>
11.	U. Harsha Sankar	Member	<i>U. Harsha Sankar</i>

Signature of President is attached below

*A. S. Babu*

WELFARE OFFICER OF JNTUK, KAKINADA  
OFFICE NO. 10/1, 10/2, 10/3, 10/4  
*A. S. Babu*  
WELFARE OFFICER

**SIR C R REDDY COLLEGE OF ENGINEERING**  
**STUDENTS MANAGED BOYS HOSTEL ASSOCIATION**

**MEMORANDUM OF ASSOCIATION**  
(AIMS & OBJECTS)

- Name** - The name of the Association is "SIR C R REDDY COLLEGE OF ENGINEERING ST. MANAGED BOYS HOSTEL ASSOCIATION"
- Registered Office** - The Registered Office of the Association is Sir C R Reddy College of Engineering, 2 No. 10-101, 10-2, 10-3, 10-4, Weluru, Eluru-534007, West Godavari District.
- Objectives** - The Objects of the Association are:
  - To provide the good quality food for the college students with affordable price in all possible aspects to make it easy during the first college hostel in the nearby town or in village or in city town.
  - To create healthy atmosphere around the hostel to maintain the regular election, bring talks, classes and student work for better benefit of student members of the Association.
  - To work jointly with the management for the best ways and to be heard by the college for its continuous development.
  - To promote the strength and stability of the Association having friendly feelings and sympathy among the student members without any political attitude or affiliation into any political party.
  - To arrange cultural programs and co-curricular programs among the students to provide good atmosphere between the students. This would contribute for the development of knowledge and intellectuality of the students.

*A. S. Babu*  
10/10/12



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## 9. Central Library

Our library with over 60,000 volumes, provides a rich resource for academic and personal growth. The library is fully automated, with software developed by our own students. It offers a range of materials, including textbooks, national and e-journals, aptitude books, and competitive exam materials, supporting both students and staff.



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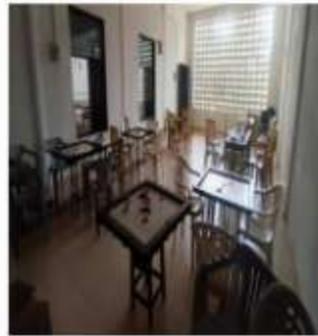
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## 10. Physical Education

Our comprehensive sports facilities, including cricket grounds, promote fitness. Shuttle and basketball courts. Our gym, with separate facilities for boys and girls, encourages healthy living among students.

S.No	Event	Number of Courts Available	Area Sq.M
<b>Outdoor Games Facilities</b>			
1	Volley Ball Courts	03	2480.848
2	Basketball Court	01	626.275
3	Kabaddi Court Men & Women	02	994.68
4	Kho-Kho Field	01	540
5	Cricket Net Practice Area	01	150
6	200 meters non stand track including, Foot Ball field ,Cricket & Athletics Area	01	13873.94
7	Hand Ball Court	01	2474.63
8	Tenni Koit Court	01	277
9	Throw Ball Court	01	330
10	Outdoor Badminton Court	01	251.37
<b>Indoor Games Facilities</b>			
1	Total Badminton Area	3	590.78
2	Girls gym Room	1	90.885
3	Boys Gym (Left) Room	1	95.385
4	Boys Gym (Right) Room	1	95.385
5	Chess and Caroms Room	1	68.4
6	Table Tennis Playing area with 3 Tables	1	144



  
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## 11. Bus Facility

Our institution also provides transport facilities for both faculty and students. Buses run often from eluru local hubs as well as from locations like Vijayawada, gudivada, kaikaluru, chinhalapudi near by 80 km. The student body has access to transportation for local tours, off-campus recruitment drives, industrial tours, and other events.



  
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## 12. Dispensary

Our institution has a health care centre at Office. A dedicated Nurse is available in the college from 9 AM to 5 PM daily. Every day a doctor will visit the college from 3PM to 5 PM daily. Availability of First aid box in the building for emergency services and immediate first aid medical support to everyone



  
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## 13. Guru Samridhi

### 1. Title of the practice:

Guru Samridhi: A Program for Enriching Teaching Skills.

### 2. Objectives of the Practice:

- ✓ Enhance faculty skills and knowledge through professional development programs.
- ✓ Foster a culture of continuous learning and innovation among faculty members.
- ✓ Provide financial support and incentives for faculty participation in professional programs.
- ✓ Encourage faculty to organize and conduct FDPs, workshops, and seminars.
- ✓ Promote collaboration with reputed organizations like NITTTR, NPTEL, and AICTE.

### 3. The Context:

In the dynamic field of engineering education, it is crucial for faculty members to stay updated with the latest advancements and teaching methodologies. The Faculty Empowerment Initiative is designed to address this need by creating a supportive environment for continuous professional development.

### 4. The Practice:

- ✓ Professional Development Programs : -

Continuously assess faculty needs and align development programs with engineering education trends. Provide financial aid for NITTTR, NPTEL, and AICTE course enrollment. Establish feedback for sharing insights from PDPs, promoting mutual learning. Encouraging

- ✓ Faculty-Led Initiatives: -

Efficiently allocate resources like venues, audiovisual equipment, and administrative support for faculty-led workshops to promote knowledge dissemination. Implement a recognition system to reward faculty for contributing to successful programs, workshops, and seminars. Encourage cross-departmental collaboration to leverage diverse expertise and foster interdisciplinary knowledge transfer, promoting mutual benefit and professional growth among faculty members.

✓ Flexibility in Schedule: -

Inclusive Policies: Develop policies that allow faculty members flexibility in their schedules to attend FDPs, striking a balance between their regular teaching commitments and professional development activities.

Alternative Learning Formats: Explore alternative learning formats, such as online courses or blended learning, to accommodate varying schedules and preferences.

✓ Collaboration with External Organizations: -

Establish strategic partnerships with external organizations, industry experts, and renowned institutions to bring diverse expertise to the faculty. Facilitate guest lectures and workshops by external experts to enrich faculty exposure to industry best practices. Create networking opportunities for faculty to connect with professionals, fostering collaborative research and projects.

**5. Evidence of Success:**

- ✓ Increased faculty participation in professional development programs.
- ✓ The consistent publication of high-quality journals by our faculty is highly appreciated.
- ✓ Recognition of the institute as a research hub for continuous learning in the academic community.
- ✓ Positive feedback from students regarding the enhanced quality of education.

**6. Problems encountered and resources required:**

✓ Challenges encountered:

- i. Resistance to change or participation from some faculty members.
- ii. Balancing regular teaching duties with professional development activities.

✓ Resources required:

- i. Dedicated staff or committee to oversee and promote the initiative.
- ii. Collaboration with external organizations may require additional coordination efforts.

  
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OFF: (08812) 230840, 230565  
FAX: (08812) 224193  
Email: principal.sircrrengg@gmail.com

## 14. CC CAMERAS

Our institution is being watched over by CC cams. We have CCTV cameras installed around the campus, including in the CSE, EEE, Exam Cell, and First Year buildings etc. to maintain campus security.



*Verdapan*  
IQAC Coordinator

*Principal*  
Principal  
Sir C.R.R.College of Engineering  
ELURU - 534 007

# SIR C. R. REDDY COLLEGE OF ENGINEERING

ELURU534007, Eluru Dist., A.P., INDIA

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## 15.: Hackathons

To enhance students' practical knowledge, We also host hackathons to foster innovation and creativity among students.



Students participated in **All India Smart Hackathon** and won prizes.



Internal Hackathon Judges

students presenting their idea



Students presenting their idea



Students presenting their idea

Students presenting their idea



Students presenting their idea

  
IQAC Coordinator

  
PRINCIPAL  
Principal  
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Estd. 1989

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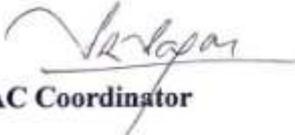


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## 16. WI-FI CONNECTIONS

The Institution has adequate infrastructure and physical facilities for teaching- learning, viz., classrooms, laboratories, computing equipment etc.,



  
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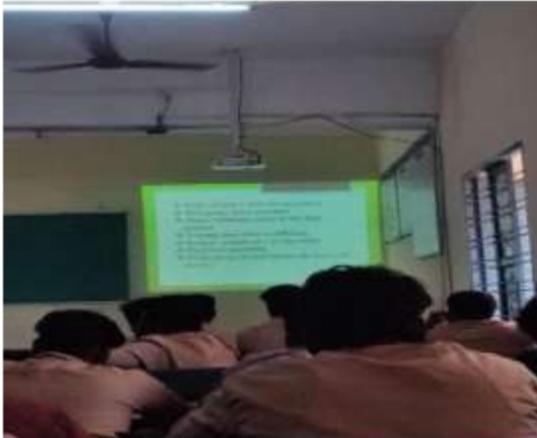


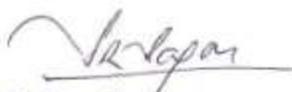
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## 17. Teaching –Learning aids

Sir C.R. Reddy College of Engineering employs various skill-based methods using ICT to deliver effective classroom lectures to all the students. The library is equipped with a large number of computers and journal volumes, in addition to high-speed internet access of 1Gbps.

ICT tools supplement the traditional classroom teaching in the campus. ICT-enabled tools like Google Classrooms, Google Sites, Google Forms, Zoom, etc., along with the use of LCD projectors, are being effectively employed in the Teaching-Learning Process. Students can expose themselves to the Digital Library, Online Courses (MOOCs, NPTEL, Coursera, etc.) to keep up with recent trends. ICT-enabled tools are also being used in Communication Skills Lab and English Lab to acquire proficiency in listening, speaking, reading, and writing skills. In addition, they are being utilized in various training sessions and FDPs to enhance the technical skills of participating students.



  
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Principal  
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NAAC Accredited with "B" Grade  
Approved by AICTE, New Delhi, Affiliated to JNTUK  
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Website: [www.sircrrengg.ac.in](http://www.sircrrengg.ac.in)

# IQAC

## 18. INDUCTION PROGRAM

Event organized Report (2022-23)

Name of Department	First Year Engineering Department
Name of event organized	Induction Program
Title of the event	Induction program for first year girl students on WEC, Anti ragging team...and their duties, rights, etc.,
Date of event organized	20-10-2022
Name of the coordinator	Smt.T.Satya Nagamani
Target audience/Number of Students participated	FIRSTY YEAR FEMALE STUDENTS (46)
Name of the Expert with designation	Smt.T.Satya Nagamani Women Empowerment Cell Coordinator Sir C.R.Reddy College Of Engineering.
Objective of the event	Induction program for first year students on WEC, EOC, Anti ragging team...and their duties, rights, etc.,
Outcome of the event	After Completion Of the Program students able to know 1) Women cell staff members of various departments of our college. 2) The responsibilities and duties at Institute level.



*Satya Nagamani*  
IQAC Coordinator

*Smt. T. Satya Nagamani*  
PRINCIPAL  
Principal  
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## 19. Awareness programs on conservation of energy- Nearby schools & villages

Promoting knowledge and understanding of energy conservation is essential for ensuring a sustainable future. Our students educate and empower the local community and students in schools on saving energy and the advantages of renewable energy utilization.



*V. Lakshmi*  
IQAC Coordinator

*K. Venkatesh*  
PRINCIPAL  
Principal  
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## 20.E-Class Rooms

We employ a variety of innovative teaching strategies, including smart classrooms equipped with state-of-the-art hardware and multimedia-based interactive content. Classrooms and Seminar halls with ICT - enabled facilities such as smart class, LMS, etc.



  
IQAC Coordinator

  
Principal  
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