



K.S.R.M. COLLEGE OF ENGINEERING

UGC - AUTONOMOUS

Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu.

Kadapa, Andhra Pradesh, India- 516 003

Internal Quality Assurance Cell (IQAC)

EXTERNAL ACADEMIC AND ADMINISTRATIVE AUDIT REPORT (ACADEMIC YEAR: 2023-24)

Date of Audit:

Name and Designation of Audit Member-1: Prof. O. Eswara Reddy

Dean Academics

S.V. College of Engineering

Tirupati-517507

Name and Designation of Audit Member-2: Prof. P. V. Ramana

Dean Academic affairs

Mohan Babu University

Tirupati-517102

(The activities are to be graded on the following scale)

Excellent	Good	Satisfactory	Needs improvement
A	B	C	D

Details of Programmes in the college:

S.No.	Name of the Programme	Sanctioned Strength	Actual Strength
UG			
1	B.Tech (Civil Engineering)	120	38
2	B.Tech (Computer Science Engineering)	180	180
3	B.Tech (Electronics and Communication Engineering)	180	176
4	B.Tech (Electrical and Electronics Engineering)	60	58
5	B.Tech (Mechanical Engineering)	120	40
6	B.Tech (AI & ML)	60	60
UG Total		720	552
PG			
1	M.Tech (Renewable Energy)	18	0
2	M.Tech (Power Systems)	18	02
3	M.Tech (Geo Technical)	18	06
4	M.Tech (Embedded System & VLSI)	18	12
5	M.Tech (AI and DS)	18	14
PG Total		90	34
UG and PG Total		810	586

1. Curricular Aspects				
S.No.	Item	HEIs i/p	Grade	Remarks
1.1	Curricula developed /adopted have relevance to the local/ national /regional/global developmental needs with learning objectives including program outcomes, program specific outcomes and course outcomes of all programs offered by the Institution	R23 (I Year), R20(II, III, and IV Year)	A	
1.2	Percentage of new courses introduced of the total number of courses across all programs	45	A	Sufficient number of new courses have been introduced
1.3	Percentage of programs in which Choice Based Credit System (CBCS) /Elective course system has been implemented	100	A	
1.4	Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	The college is dedicated to incorporating the sustainable development goals and NEP-2020 regarding Gender equality, Environment and Sustainability, Human Values and Professional Ethics, and constitution of INDIA into the Curriculum and other topics.	A	
1.5	Number of Value-added courses imparting transferable and life skills offered	24	B	Courses related to Professional career and Placement, Skill development related courses - have been introduced.
1.6	Feedback on curriculum and other aspects from stakeholders	Feedback on curriculum and other aspects from all stakeholders are regularly taken and the same is uploaded in website	A	With the help of feedback curriculum is regularly revising.

2. Teaching-Learning and Evaluation

S.No.	Item	HEIs i/p	Grade	Remarks
2.1	Demand Ratio (% of students admitted)	72.34	A	UG is good. PG demand is less.
2.2	Number of full-time teachers	176	A	
2.3	Number of students enrolled	2768	A	
2.4	Student - Full time teacher ratio	1:15	A	
2.5	No. of permanent faculty with Ph.D	51	B	More faculties with Ph.D qualification may be recruited.
2.6	Average teaching experience of full time teachers in years	8 years	B	Faculty retention need to be improved.
2.7	Total No. of teaching days	180	A	As per UGC/AICTE norms
2.8	Preparation and adherence to Academic Calendar and Teaching plans	Academic calendar is in place and academic activities are as per the academic calendar.	A	Every faculty member is actively involved in preparing the Teaching plans and adhering to the same.
2.9	Innovative processes adopted in Teaching and Learning	Yes (ICT tools, NPTEL online certification course, Google Class room etc.,)	A	
2.10	Teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources, MOODLES etc.	Faculty is using ICT facilities effectively. LMS is being used partially.	A	
2.11	Remedial Classes for slow learners and backlog students	Remedial classes are conducted regularly for Students with backlog subjects.	A	
2.12	Mentoring System	Good mentoring system has been adopted.	A	

2.13	Adequate facilities for teaching – learning, viz., classrooms, laboratories, computing equipment, etc.	Available	A	All the class rooms and laboratories are well equipped.
2.14	Advanced Research Centers	4 Advanced Research centers are available	B	Research centers need to be increased to promote research culture.
2.15	Teachers attending professional development programs	Most of the faculty members attended professional development programs.	B	All the faculty members need to attend the professional development programmes
2.16	Organization of Guest Lectures, Industrial Visits, Workshops, etc.,	Adequate no of guest lectures, workshops are conducted.	B	
2.17	Online Certification Programmes	48	B	Number of students and faculty need to be increased.
2.18	Student Professional Society Chapter and Association Activities	10	C	Need to be improved
2.19	No. of Students undertaking field projects / internships	1458	A	Good number of students is undertaking field projects/internships.
2.20	Dissemination of PEOs, POs, PSOs, COs	POs, PSOs, COs disseminated in the Academic regulations - Syllabus books, and in the institute website. Also displayed at the strategic locations in the respective departments. cos and course articulation matrix are included in course handout.	A	
2.21	Attainment of COs, POs, PSOs	Attainment of COs, POs, PSOs is completed.	A	
2.22	Online student satisfaction survey	Conducting as per the guidelines of NAAC.	A	

3. Research and Innovation				
S.No.	Item	HEIs i/p	Grade	Remarks
3.1	The institution has a well-defined policy for promotion of research	Yes (Publications, Patents, Text books, Book chapters, incentives for conferences)	A	Incentives need to be increased.
3.2	The institution provides seed money to its teachers	Yes (Based on recommendations of R & D Cell)	A	Seed fund shall be provided to all eligible faculty.
3.3	Teachers recognized as research guides	24	B	Need to be improved.
3.4	Sponsored research Projects and consultancy	Research Projects-04 (15.22 Lakhs) Consultancy – 16 (12.69 Lakhs)	C	Research projects and consultancy need to be improved a lot.
3.5	Workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices	Sufficient number of programs are conducted	A	
3.6	Research Publications	53	B	SCI-Indexed Publications need to be improved.
3.7	No. of Faculty participated in conferences and symposia	Sufficient number of Faculty are participated	B	Encourage the staff to participate in conferences.
3.8	Books and chapters in edited volumes / books published, and papers in national/international Conference-proceedings.	Books and Book chapters- 35	C	Faculty shall be motivated by providing incentives
3.9	Revenue generated from Consultancy	Consultancy – 12.69 Lakhs	C	Need to be improved

3.10	Linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc.	Yes	C	Higher level academic institutions may be focused.
3.11	Functional MoUs	38	B	Activities shall be improved.

4. Central library Facility

S.No.	Item	HEIs i/p	Grade	Remarks
4.1	Library is automated using Integrated Library Management System (ILMS)	Yes	A	
4.2	Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment	Good collection is available	A	
4.3	Does the institution have the following: e – journals, e-Shodh Sindhu, Shodh ganga membership, e-books, Databases	Yes (e – journals, e-Shodh Sindhu membership, e-books, Databases)	A	
4.4	Expenditure for purchase of books and journals	6.50 Lakhs	C	Need to be increased
4.5	Availability of digital library with a provision for remote access on intranet	Yes	A	
4.6	Per day usage of library by teachers and students	450	A	

5. Examination Section

S.No.	Item	HEIs i/p	Grade	Remarks
5.1	Number of days from the date of last semester-end/ year- end examination till the declaration of results	< 20 days	A	
5.2	Percentage of student complaints/grievances about evaluation against total number appeared in the examinations	Less than 1%	A	Transparent evaluation system is being followed.
5.3	Percentage of applications for revaluation leading to change in marks	nil	B	Strict correction mechanism need ed.

5.4	Status of automation of Examination division along with approved Examination Manual	Yes	A	
5.5	Pass percentage of outgoing students	89	A	

6. Amenities and Sports facilities

S.No.	Item	HEIs i/p	Grade	Remarks
6.1	The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and Cultural activities.	Yes	A	
6.2	Awards/medals for outstanding performance in sports, Yoga /cultural activities at national/international level.	8	C	Need to be improved
6.3	Number of sports, Yoga and cultural activities / competitions organized at the institution level.	26	B	

7. Internet Connectivity

S.No.	Item	HEIs i/p	Grade	Remarks
7.1	Institution frequently updates its IT facilities including Wi-Fi	Yes	A	
7.2	Student - Computer ratio	2.76:1	A	More than sufficient systems are available.
7.3	Available bandwidth of internet connection in the Institution	1Gbps	A	
7.4	Facilities for e-content development such as Media centre, recording facility, Lecture Capturing System (LCS)	Media centre, audio visual centre, LCS and editing software are available.	A	

8.Placements and Higher Education				
S.No.	Item	HEIs i/p	Grade	Remarks
8.1	Capability enhancement and development schemes	<ul style="list-style-type: none"> • Guidance for competitive examinations • Career Counseling • Yoga and Meditation • Remedial coaching • Soft skill development • Language lab • Bridge course • Personal Counseling 	A	
8.2	No of students benefited by guidance for competitive examinations and career counseling offered by the institution	647	A	
8.3	Number of placements of outgoing students	207	B	Placements in core jobs for respective branches of engineering shall be improved.
8.4	Students Qualified in Competitive Examinations	21	D	Training to advanced learners to get more success in Competitive examinations shall be improved.

9.Alumni Engagement				
S.No.	Item	HEIs i/p	Grade	Remarks
9.1	The Alumni Association /Chapters	ALUMNI ASSOCIATION OF KSRM COLLEGE OF ENGINEERING with society registration number: 35 of 2021.	A	
9.2	Alumni contributions	Alumni are contributing in terms of placements Career guidance and guest lectures	A	
9.3	Alumni Association / Chapters meetings Conducted	Alumni Association meeting is conducted as alumni day once in a semester in the institute.	A	

10.Social service and Extension activities				
S.No.	Item	HEIs i/p	Grade	Remarks
10.1	Initiatives taken to engage with and contribute to local community	NSS unit is functional and involving students in activities like Blood donation camps, Tree - plantations, Pulse polio camps to local children, and Eye camps.	A	
10.2	Extension activities in the neighborhood community in terms of impact and sensitizing students to social issues and holistic development	33	B	
10.3	Awards and recognition received for extension activities	3	D	Need to be improved a lot.
10.4	Extension and outreach programs conducted in collaboration Government Organizations, Non-Government Organizations	1	C	Need to be improved.
10.5	Number of students participating in extension activities	400	C	Student participation should be increased.
10.6	Village adaptation	05 (Shivaji Nagar, Kopporthy, Thadigotla, Yerramasupalli, Krishna puram)	B	Need to be improved

11.Administrative Procedures				
S.No.	Item	HEIs Input	Grade	Remarks
11.1	Budget allocation, excluding salary for infrastructure augmentation	Standard and regular procedures are followed.	A	
11.2	Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component	1105.93Lakhs	B	Amount has to be increased

11.3	Established systems and procedures for maintaining and utilizing physical, academic and support facilities -laboratory, library, sports complex, computers, classrooms etc.	Standard operating procedures are followed.	A	
11.4	Students benefited by scholarships and free ships provided by the Government.	Number of students benefited by Scholarships and free ships -1925.	A	
11.5	Students benefited by scholarships, free ships, etc. provided by the institution besides government schemes	Number of students benefited by Scholarships and free ships -428	A	Institute is providing good encouragement through scholarships and free ships to the meritorious as well as needy students.
11.6	Support to differently labeled students	Adequate facilities are made available.	A	
11.7	Transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases	Mechanisms are in place.	A	
11.8	Presence of an active Student Council & representation of students on academic & administrative bodies/committees	Active student representation is ensured through academic & administrative bodies/committees.	A	
11.9	Professional development / administrative training programs organized by the Institution for teaching and non-teaching staff	6	B	Need to be improved

12. Governance, Leadership and Management

S.No.	Item	HEIs Input	Grade	Remarks
12.1	Governance of the institution is reflective of an effective leadership in tune with the vision and mission of the Institution	Governing meetings are conducted twice a year to ensure institute activities to be in tune with vision and mission.	A	
12.2	Decentralization and participative management	Proactive and participative management is in place. Administrative hierarchy is ensured by governing body.	A	
12.3	Perspective/Strategic plan and deployment documents	Perspective/Strategic plan and deployment documents are available and displayed on website. Selective agenda items of strategic plan are discussed in governing body meeting and decisions are circulated to all the departments	A	
12.4	Organizational structure of the Institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism	All are available and are in place.	A	
12.5	Implementation of e-governance in areas of operation	The following areas of governance are in place: <ul style="list-style-type: none"> • Administration • Finance and Accounts • Student Admission and Support • Examination 	A	

12.6	Effectiveness of various bodies/ cells/ committees is evident through minutes of meetings and implementation of their resolutions	Effectively implemented	A	
12.7	Welfare measures for teaching and non-teaching staff	Welfare measures like EPF facility, Health Insurance, Concessional Transport, Free medical facility, Laptop allowance, study, maternity and medical leaves and fee concession for staff children are in place.	A	
12.8	Performance Appraisal System for teaching and non-teaching staff	Available and implemented	A	
12.9	Institutional strategies for mobilization of funds and the optimal utilization of resources	<ul style="list-style-type: none"> • Promoting R&D by giving incentives to the faculty • Conducting National/State level online examinations • Promoting Consultancy through In-house expertise • Optimal utilization of resources is ensured through appropriate auditing. 	A	
12.10	Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies	Adequate financial support is provided to attend conferences / workshops and towards membership fee of professional bodies	A	

13. Best Practices of the Institution				
S.No.	Item	HEIs Input	Grade	Remarks
13.1	Number of gender equity promotion programs organized by the institution	8 such programmes are conducted	A	
13.2	Power requirement of the Institution met by the renewable energy sources	750KWP solar power	A	
13.3	Waste Management steps	Appropriate solid waste, liquid waste and E-waste measures are taken.	A	
13.4	Rain water harvesting structures and utilization in the campus	Yes	A	

13.5	Green Practices	<ul style="list-style-type: none"> • Motor Vehicle entry is restricted. • Plantation programme has been taken up. • Greenery is maintained in the campus. • E-Waste management • Bi-cycle transportation inside the campus • Battery vehicle 	A	
13.6	Initiatives to address locational advantages and disadvantages	<ul style="list-style-type: none"> • Necessary initiatives have been taken to strengthen the interaction with nearby industries. • Transportation facility is provided to students and staff. 	A	
13.7	Code of conduct handbook exists for students, teachers, governing body, administration including Principal /Officials and support staff	Available and also disseminated in institute website.	A	
13.8	Display of core values in the institution and on its website	Core values are displayed in institute website.	A	
13.9	Activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens obligations and other constitutional obligations	Awareness programmes are conducted	A	
13.10	Functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions.	Yes	A	
13.11	Organizes national festivals and birth / death anniversaries of the great Indian personalities.	Yes	A	
13.12	Transparency in its financial, academic, administrative and auxiliary functions	Transparency is maintained in financial, academic, administrative and Financial information	A	

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14. IQAC

S.No.	Item	HEIs Input	Grade	Remarks
14.1	Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes	<ul style="list-style-type: none"> Significant contributions are made 	A	
14.2	The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms	<ul style="list-style-type: none"> Monitor-Measure-Modify mechanism of reviewing is implemented as per norms. 	A	
14.3	Quality initiatives by IQAC for promoting quality culture	<ul style="list-style-type: none"> Assessing the faculty through quality parameters of self-appraisal forms and providing required suggestions for improvement. Arranging training on pedagogy every semester for all newly admitted faculty. Conducting seminars / workshops, FDPs on emerging technologies for faculty. Conducting Guest Lectures by Industry experts. Arranging regular training / certification programmes for students and teaching/supporting staff. Encouraging R&D and Consultancy. 	A	

Best Practices followed in the Institute:

1. The course coordinator system has been introduced
2. Conduct of subject based Seminars and workshops have been continued. Involvement of students in various Committees have been increased.
3. The- functioning of Research groups to promote better quality research and publications has been Strengthened.
4. Value addition by certification programs as well as technology training is focused through Skill Development Centre.
5. Departmental initiative for placements in core domains other than central Training and Placement cell
6. Student participation in Innovation, Incubation and Entrepreneurship activities.
7. Continuous inputs from all stakeholders like Alumni, Academicians and Industry experts are taken to Improve the curriculum on regular basis.

Suggestions for improvement:

- 1) Sponsored research and consultancy is limited to a few departments. The faculty members of other departments have to be motivated towards applying for sponsored research projects.
- 2) Research output by a way of publications in SCI / Scopus indexed journals needs a substantial improvement.
- 3) Motivate the faculty without PhD to pursue the PhD as a priority.
- 4) As the college has strong Alumni, efforts are needed to utilize their expertise to guide the students in terms of Technologies, Training, Projects and Placements.
- 5) Placements are majorly in software for most of the branches of engineering. Efforts are required to invite core companies especially for EEE and ECE branches for campus placement.
- 6) Industry-Institute interaction should be strengthened.
- 7) Consultancy activities are available only in CE department. Other departments shall also explore their potential and extend Consultancy activities.


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