PEAR TEAM REPORT ON
Institutional Accreditation of
K.S.R.M. College of Engineering, Kadapa, Andhra Pradesh

Section I: GENERAL			Information
1.1	Name & Address of the Institution	:	K.S.R.M. College of Engineering, Kadapa
1.2	Year of Establishment	:	1980
1.3	Current Academic Activities at the Institution (Numbers)		
	• Faculties/ Schools	:	Engineering
	• Departments/ Centres	:	10 Departments
	• Programmes/ Courses offered	:	UG: 6 (B.Tech in Civil, Computer Science, Electrical & Electronics, Electronics & Communication, Mechanical, and Information Technology) PG: 5 (M.Tech in Geo-Technical, CAD/CAM, Electrical Power Systems, Computer Science & Engineering, Digital Electronics & Communication Engineering)
	• Permanent Faculty Members	:	103
	• Permanent Support Staff	:	84
	• Students	:	UG: 2658 PG: 147
1.4	Three major features in the institutional Context (As perceived by the Peer Team)	:	• Set up in a rural ambience • 5 UG Programmes are accredited by NBA • One of the oldest Self-financing Institutions in Andhra Pradesh
1.5	Dates of visit of the Peer Team (A detailed visit schedule may be included as Annexure)	:	**January 10-12, 2013 (Detailed Schedule is attached as Annexure)**
1.6	Composition of the Peer Team which undertook the on- site visit	:	
	Chairperson	:	**Prof. Durg Singh Chauhan** Vice-Chancellor Uttarakhand Technical University Dehradun – 248 007
	Member Co-ordinator	:	**Prof. B. V. Babu** Director, Institute of Engineering and Technology JK Lakshmipat University Jaipur – 302 026
	Member	:	**Prof. K. A. Ranganatha Setty** Former Principal, R.V. College of Engineering Bangalore – 560 019
	NAAC Officer:	:	**Dr. M. S. Shyamsundar**

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Section II: CRITERION WISE ANALYSIS		Observations (Strengths and/or Weaknesses) on Key-Aspects
2.1	***Curricular Aspects***	
2.1.1	Curricular Design & Development	:	• Academic programmes are in line with the Vision and Mission of the Institution • Being an affiliated college of JNTU-Anantpur, it follows the University curriculum • No additional courses offered beyond the University curriculum
2.1.2	Academic Flexibility	:	• Admission, Curriculum, Fee Structure are as per the Government/ University norms • For UG Programmes, the college follows annual system in first year and semester system from second year onwards • Academic flexibility is limited only to electives and no value addition or enrichment courses are offered
2.1.3	Feedback on Curriculum	:	• Being a recently affiliated Institution to JNTU-Anantpur, the faculty members have no representation in the Board of Studies of the University • Getting feedback on curriculum from the stakeholders has been initiated, but needs a structured approach
2.1.4	Curriculum Update	:	• The last revision of the curriculum was in the year 2009 • Being an affiliated institution, it does not have freedom to change the curriculum
2.1.5	Best Practices in Curricular Aspects (If any):	:	• Quality enhancement measures taken up by the Institution is reflected by getting accredited twice by NBA
2.2	***Teaching-Learning & Evaluation***	
2.2.1	Admission Process and Student Profile	:	• 70 % of the admissions to UG & PG Programmes are by Government and 30 % by management • The reservation policy applied only to 70 % of the seats filled by Government
2.2.2	**Catering to the Diverse Needs**	:	• Tutorials are conducted for most of the courses

			• Mentoring system needs improvement for effective implementation
2.2.3	**Teaching-Learning Process**	:	• Though there is a practice of evaluating teachers by students, it needs automation to make it more transparent • The teaching pedogogy is mostly teacher-centric and needs to make it student-centric • Use of tools such as multi media and ICT in teaching process is very minimal
2.2.4	Teacher Quality	:	• Out of 103 permanent faculty members, there are 14 with PhD and, 89 with PG qualification; There are 70 Adhoc faculty members out of which 47 are with B.Tech qualification • Efforts need to be made to recruit more qualified permanent faculty members to meet the healthy faculty:student ratio as per statutory requirements • Encouraging faculty members with financial support is required for both enhancing their skills and improving their qualification
2.2.5	**Evaluation Process and Reforms**	:	• Being an affiliated college, the control on evaluation process is limited to internal assessment components where currently two tests are conducted • There is a scope for improvement in this regard by having surprise tests, quizzes, mini projects etc. • The college communicates the progress of the student to their parents once in a semester
2.2.6	Best Practices in Teaching-Learning and Evaluation (If any)	:	• Answer books of the internal assessment are shown to the students
2.3	**Research, Consultancy & Extension**		
2.3.1	Promotion of Research	:	• One Research Project worth Rs. 1.1 Cr has been sanctioned by DST • Faculty participation in research is to be promoted by the management by providing seed money, grants and creating facilities

			• There is a need from the management to take initiatives for collaborative research and to ensure student participation in research
2.3.2	Research and Publications Output	:	• Most of the publications by faculty members are in the proceedings of regional and national level conferences • There is a need to focus on publishing in refereed international Journals with good impact factors • Very few faculty members are recognized research guides, and efforts are needed to get the departments recognized as research centres
2.3.3	Consultancy	:	• Only the Civil Engineering Department is offering very limited testing services • Introducing attractive incentives for consultancy will motivate the faculty members to significantly contribute to consultancy services
2.3.4	Extension Activities	:	• Periodic Blood donation and health awareness camps are organized through NSS • Nearby villages gets benefited by the extension activities conducted by the students of the Institution • There is a scope to adopt nearby villages and organize certain skill development programmes for uplifting their economic status
2.3.5	Collaborations	:	• Limited to student projects in the curriculum • There is a need to make the MoUs signed with the local companies more effective
2.3.6	Best Practices in Research, Consultancy & Extension (If any)	:	• Obtaining a major research Project from DST
2.4	**Infrastructure and Learning Resources**		
2.4.1	Physical Facilities for Learning	:	• Sprawling campus of 35.23 acres with a built-up area of 28583 sq.mts • Sufficient number of class rooms and laboratories • Class rooms need to be modernized with multi-media and ICT facilities

2.4.2	Maintenance of Infrastructure	:	• There is a budget allocation for maintenance • Lab equipment are maintained partly by technical staff and partly with the help of external agencies through AMCs
2.4.3	Library as a Learning Resources	:	• Issue of Books in the library is automated • Sufficient number of books as per norms and with open access • There is a need to subscribe for e-Journals
2.4.4	ICT as Learning Resources	:	• Adequate number of computers are available in the labs • Though some senior faculty have computer facility, there is a need to provide exclusive computing facility in the faculty chambers with internet facility to all the faculty members • Institute's Website needs regular update • Campus needs to be WiFi enabled
2.4.5	Other Facilities	:	• There are 3 Boys hostels with a capacity of 825 students and a Girls hostel shared among the other group institutions with a capacity of 1000 out of which 500 of this college stay in this hostel • Facilities provided in the hostel rooms, common rooms and dining halls need drastic improvement • Staff rooms, Gymnasium and indoor sports facilities need modernization
2.4.6	Best Practices in the development of Infrastructure and Learning Resources (If any)	:	• Each department has its own seminar hall
2.5	**Student Support and Progression**		
2.5.1	Student Progression	:	• Majority of the students are from rural background and there is a reasonable representation from all classes of the society • Campus placement needs improvement from the current 30% • Scope for improving the pass percentage
2.5.2	Student Support	:	• 70% of the students get financial

		:	- assistance from the government - The college provides annual calendar to all the students which also contains rules & regulations - There is a need to introduce the value added courses
2.5.3	Student Activities	:	- The institution supports and encourages students to participate in co-curricular and extra-curricular activities, and conducts annual youth festival and technical events - A few students have participated at University level sports events - Alumni Association activities need to be strengthened
2.5.4	Best Practices in Student Support and Progression (If any)	:	The institute has established an Entrepreneurship cell
2.6	*Governance and Leadership*		
2.6.1	Institutional Vision and Leadership	:	- Top management is committed for providing effective and efficient education system - Has a vision to become an autonomous institution and subsequently a Deemed University - Mission statements to be clearly defined and actionable plans need to be made
2.6.2	Organizational Arrangements	:	- Institution has organizational hierarchy structure to oversee the day to day functioning - Administration needs to be decentralized - Management may meet the staff periodically to discuss the academic and administrative issues and address their grievances
2.6.3	Strategy Development and Deployment	:	- The Management appointed various committees for development of infrastructure and achieving academic excellence - All the processes need to be automated through an integrated ERP system - Institution to initiate providing conducive environment for empowerment of faculty members
2.6.4	Human Resource Management	:	Has a structured staff selection

			committee as per the University requirements • To improve and implement various welfare schemes for staff and faculty members • Need to take measures to attract, recruit and retain good number of quality faculty members
2.6.5	Financial Management and Resource Mobilization	:	• Finance management systems are partly computerised • Financial resources are mainly from student fee • Need to encourage the faculty members for getting sponsored research projects and industrial consultancy
2.6.6	Best Practices in Governance and Leadership (If any)	:	• Proactive management
2.7	*Innovative Practices*		
2.7.1	Internal Quality Assurance System	:	• Internal quality assurance committee is appointed but it needs to be made effective in its functioning • Efforts to be made for involving students in assuring quality of education imparted • To take up initiatives for creating ambience for innovation and quality improvement
2.7.2	Inclusive Practices	:	• Scholarships are provided for socially and economically weaker students by the government • Language Lab has been established and effectively used to improve communication skills of the students from rural and disadvantage sections of the society • Fairly good percentage of girl students and women teachers in the institute
2.7.3	Stakeholder Relationships	:	• To promote social responsibilities and citizenship roles among the students by offering relevant additional elective courses • There is a need to follow a structured approach for getting feedback from all stake holders

Section III: OVERALL ANALYSIS			*Observations*
3.1	Institutional Strengths	:	• Supportive and proactive management • Goodwill and trust of the public and parents of potential students • Accreditation twice by NBA for many UG Programmes • Potential to become an autonomous Institution • Availability of huge land area for future expansion
3.2	Institutional Weaknesses	:	• Establishing major collaborations • Contributing to quality research • Limitation being an affiliated Institute • Obtaining good consultancy projects • Campus placements need strengthening
3.3	Institutional Opportunities	:	• To become an autonomous Institution • Establishing centres of excellence • Getting University recognition by the departments as research centres • Collaborating with Institutes of higher learning of Universities abroad • Extension activities to the surrounding villages to uplift the neibourhood
3.4	Institutional Challenges	:	• Attracting and retaining quality faculty members • Admitting high ranking students • Motivating the bright students to take up research as a career • Continuous updation of curriculum and improving competencies of the faculty members • Getting the status of Deemed University

Section IV: Recommendations for Quality Enhancement of the Institution

- Deputing Faculty members for acquiring higher qualifications through Quality Improvement Programme
- Improving ambience in the hostels by properly furnishing the rooms and providing hygienic dining facilities
- Modernising Gymnasium and providing more indoor sports facilities
- Seed funding and support for attending International Conferences abroad for faculty members
- Implementing 6th Pay commission scales for attracting and retaining good and motivated faculty members
- Providing computing and internet facility in the faculty chambers for all faculty members
- Introducing more retirement benefits for teaching and non-teaching staff members
- Initiating effective mentoring system for the students
- Getting feedback from all the stakeholders for curriculum development, governance and enhancing infrastructure facilities
- Decentralisation of decision making upto the faculty members level
- Recruiting more permanent qualified faculty members to meet the statutory requirements
- Enhancement of library budget

I agree with the Observations of the Peer Team as mentioned in this report.

Signature of the Head of the Institution
PRINCIPAL
K.S.R.M. COLLEGE OF ENGINEERING
KADAPA - 516 003. [A.P.]

Seal of the Institution

Signatures of the Peer Team Members:

Name	Designation	Signature with date
Prof. Durg Singh Chauhan Vice-Chancellor Uttarakhand Technical University Dehradun – 248 007	Chairman	
Prof. B. V. Babu Director, Institute of Engineering and Technology JK Lakshmipat University Jaipur – 302 026	Member Coordinator	12/01/2013
Prof. K. A. Ranganatha Setty Former Principal, R.V. College of Engineering Bangalore – 560 019	Member	12/1/13
Dr. M. S. Shyamsundar	Deputy Adviser	

Place: Kadapa

Date: 12-01-2013