

SELF STUDY REPORT

FOR

2nd CYCLE OF ACCREDITATION

K.S.R.M. COLLEGE OF ENGINEERING

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

INTRODUCTION:

KSRM College of Engineering, **Autonomous, established in 1980**, is one of the premier technical educational institutions in AP with an intake of 948(840+108)including B. Tech and M. Tech. The institution is Approved by AICTE, New Delhi & Affiliated to JNTUA, Ananthapuramu. Accredited by NBA of AICTE & NAAC of UGC. An ISO 9001:2008 & 14001:2004 Certified Institution.

Our commitment to technical education focuses on building a deep understanding of concepts, teaching with skill and passion, and communicating ideas that have power in practice. Our students are trained to be proactive individuals who make a difference to the world around them, in their own unique ways. We train and develop world - class leaders, not merely technocrats. In the process of reaching the corporate we train the students accordingly to acquire employable skills by eminent trainers. We are offering CSE/EEE/ECE/MECH/CIVIL courses in our college.

Further it is to bring to your kind notice that most of the teaching staff working in the departments are possessing doctorates and some of them are pursuing their Doctorates at present. The Mechanical Department has undertaken a Project worth rupees 1,00,00,000/- Titled “**DEVELOPMENT OF DUAL FUEL ENGINE**” funded by UGC, New Delhi. The Institution is successful in grooming the students to the level of securing **first rank in all India GATE-2006** Examination and 4th, 8th, 18th and 30th Ranks in the Subsequent GATE Examinations.

Vision

Vision of the college

To be an internationally renowned centre for excellence in technical education with value-driven quality standards and to contribute our might in realizing India's dream of becoming economic super power.

Mission

Mission of the college

To impart quality education in engineering and technology at undergraduate and post-graduate levels, aiming to achieve the status of best engineering college, thereby cherish the dreams of the founder chairman and the aspirations of the student's community in the region to become world class professionals and technocrats.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strength:

Well defined organizational structure

The college has a defined organization structure with statutory Bodies, cells and committees for translation of the college strategy.

Outstanding Human Resources Management

17% of total faculty are PhD and 21% of its faculty strength are pursuing PhD.

Well defined Processes

The college has processes critical for the operation and administration of the college to ensure accuracy, efficiency and results.

Wide Academic linkages

There are linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities; 20 MoU s with institutions of national, importance and other colleges, industries, corporate houses.

Comprehensive Care System for the Students

A Comprehensive Care System for Students is integral for inculcation of human values, peaceful living in a multicultural society and preparation to be good citizens of our country and the world community.

Vibrant Research Climate

The college has fostered a vibrant research climate with a Research Policy including an incentive for Professional Development Allowance Fund.

Dynamic Academic Environment

Workshops, conferences, departmental organized internships, seminars, symposia and colloquia are interspersed through the year

Social Commitment and Extension work

Social involvement instinctively drives faculty and students of the college to respond to social issues in the society.

An attractive work environment

The college ensures an inclusive workplace by fostering a community spirit at work.

Institutional Weakness

Institutional Weakness

The perception of the region as being remote persists and this has impeded attracting faculty and students from other states in the country. However, the college has improved its overall faculty representation from other states in recent years and currently around 5% of regular faculty members are from other states.

Limited Financial Resources

The college is dependent on the income from tuition fees and struggles to build adequate reserves. However, the college growth has been carefully calibrated to the funds available, ensuring a sustained momentum while ensuring a prudent use of the available resources. This weakness has been mitigated by a robust fund-raising campaign over the years to meet the capital expenditures of the college.

Institutional Opportunity

Institutional Opportunity:

The global presence of KSRM College of engineering and its alumni network

The Alumni network of KSRM spread in various countries over 37 years and is a valuable resource enabling the college in its networking and branding initiatives.

Opportunity to contribute to development

The college has the unique opportunity of contributing effectively to the development of the region through research, development and extension activities.

Wonderful Campus of the college: The college campus sustainability at the core of its operations, through eco-friendly research and development initiatives for piloting sustainability solutions and extension work in the neighboring villages. The college provides the students experience in planning and executing participatory development projects. The college also has a Memorandum of Understanding with various industries. There is limited exposure opportunities for students in the **Royalaseema** region. However, collaborations with industries such as TCS, IBM, Amazon, Satyam, Infosys and other premier employers of the country for summer training/internships have led to placement opportunities. The college encourages the participation of the students in national level workshops.

Institutional Challenge

INSTITUTIONAL CHALLENGE:

Limited accessibility to funds as a private college

As a private college there are challenges to acquire funding in comparison to Central and State Government institutions. Though the college has 2f and 12B status the funding by the UGC is mostly restricted to

government institutions.

Exodus of Students from the region

The perception that one can avail of better quality education outside the State persists in spite of many such students ending up in substandard institutions paying exorbitant fees.

Stagnation in the job market

The current stagnation in the job market has depressed placement opportunities for students. However, the Entrepreneurship Development and Incubation Centre continue to network with potential employers for recruitment opportunities and schemes for incubation of business ideas.

Retention of qualified faculty

Though the attrition rate of the college among staff is relatively low between 2%-5%, the aspiration to work in government Institutions prevails overall.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Curricular Aspects :

Design and Development of the Curriculum

The college is guided by its strategic plan concentrating on teaching-learning and research-consultancy activities in three areas: Technology, Service and Social Sectors. These have been chosen to ensure: ample academic flexibility, the employability of our graduates, catering to the needs of the knowledge economy, providing the capacity to impact and transform society, and promoting values and ethics.

Feedback Mechanism:

The college regularly collects feed-back on its Courses of Study and the syllabi from various stakeholders:

1. The Governing Body and the Board of Management evaluate the roll-out and acceptance or otherwise of these academic programmes.
2. The faculty and experts put together the Course Structures, the detailed syllabi and objectives for every course of study. Twice a year, they review the syllabi, propose revision to the Academic Council, and notify the students accordingly.
3. Each student is given the Handbook containing the detailed syllabi of every course of study, their objectives and evaluation patterns. The student feedback is taken off line twice a year.
4. Course wise regular student feedback is collected on teaching and learning and is communicated to the respective faculty members so that they assess themselves to improve and contribute to teaching learning process in a positive way.

Field trips and internships enrich intramural learning with life situations and industrial exposure. It also ensures

the implementation of the Choice Based Credit System (CBCS) and Elective Course System including options for credits from On-Line Courses.

Teaching-learning and Evaluation

Teaching-learning and Evaluation:

The Teaching-Learning-Evaluation process in the college is given the meticulous attention as indicated below:

Preparing Clear Course Plans/Course Schedules: There are prepared by the faculty and are made available to the students of the college through ERP.

Academic Calendar and the detailed Syllabus and Regulations: published annually – these contain the curriculum, the method of teaching and evaluation, and the plans for co-curricular and extra-curricular activities, seminars, workshops, conferences, training programs, etc.

Use of e-resources and ICT: Large number of classrooms and laboratory is having LCD projectors and access to the campus intranet giving access to the repository of lectures by experts.

Encouragement of Cooperative learning through projects, presentations and group work.

Conducting Orientation programmes for the first-year students familiarizes them with the opportunities available at the college and its expectations from them.

Internal assessment: 40% for it motivates the students to study continuously.

Student Feedback is collected on teaching and learning and is communicated by the Director to the respective faculty members.

Faculty development programmes targeting the personal and professional growth of the faculty are Faculty development programmes organized every semester.

Providing Remedial Courses in language and communication skills are provided to students from telugu medium.

Automation of the examination processes and timely declaration of results: Results have always been published within a month of the close of the examinations. 100% automation of the examination division, with an approved set of regulations and operating procedures, is in place.

Research, Innovations and Extension

Research, Innovations and Extension :

Research Journals and Publications: Most of college Journals are published in reputed journals, some of them are UGC approved. There is 1 publication per 12 faculty over the last 5 years. The h index of the college period is satisfactory from Scopus and Web of Science.

Centre of Excellence: Centre of Excellence in innovation and systems laboratory to create a research environment and culture by promoting research activities such as research projects, publications, consultancy and training.

Green Research Methods in Life Sciences are applied in research relating to fermentation, Green synthesis, analysis and biological studies of novel hybrids.

Professional Development Allowance Fund and Fee Waivers motivate the faculty to pursue research and participate in the administrative work.

A BOARD for Research, Innovation and Consultancy support research and innovation, protect intellectual property rights, promote filing of patents and advocate consultancy by experts.

Mandatory Major Projects: All final year students have to complete a credited major project.

A Consultancy Policy facilitates projects with various institutes.

Incubation Centre has incubated several projects by the engineering students.

Extension Activities: The college has NSS unit through which we adopt nearby villages and participate in clean and green programmes and organize blood donation camps.

Collaborations 20 MoU s with institutions of national, importance and other colleges, industries, corporate houses institutions/industries for internship, sharing of research facilities

Infrastructure and Learning Resources

Infrastructure and Learning Resources :

Physical Infrastructure: With a campus area of 35.23 Acres and built up area of 28,583 Square Metres the college has an impressive array of facilities, classrooms, and laboratories. Put together, the campuses have ample provision for academic and administrative areas, student residences, recreational and sports facilities, utilities and services, plantations and orchards, parks and quiet corners, cycle paths and jogging trails, Auditorium, several performance areas and a health centre.

Classrooms and Labs: In all the college has 45 classrooms 40 laboratories and 05 seminar halls.

Internet and ICT resources: All administrative offices of the college are computerized and the offices have LAN and WiFi connectivity. The internet capability of the college includes Global Netlinks online 64 Mbps leased line with several servers for internet and intranet, and also having 10 LCD class rooms.

ERP and Intranet Facilities: All aspects of college administration are computerized

Library Resources: The libraries of the campus are virtually centralized and offer access to 56,653 books and thousands of e-Journals and reference books.

Web OPAC makes all subscribed databases, consortium materials, E-resources, and in-house publications accessible on campus and remotely.

Maintenance of Campus Infrastructure: The college is highly appreciated for the sheer beauty and cleanliness of its campuses with two turf wicket cricket grounds, and the sense of ownership and commitment of its maintenance staff.

Development with Eco-Consciousness and Sustainability is resulting in a truly Green Campus.

Student Support and Progression

Student Support and Progression:

A comprehensive Care System, designed to provide a 'holding environment', provides for the holistic development of the students.

Multi-pronged Capability Enhancement and Development Schemes include Individual Mentoring, Student development programmes, and programmes designed to learn to live and work together with achieving excellence in personal and academic areas.

Student activity clubs create interest in both technical and non-technical activities. and talent promotion.

Career Guidance Cell create awareness on career opportunities in emerging fields. Coaching classes in competitive exam such as GATE,CAT, UPSC are also organized by the cell.

Training and Placement Cell provides training in aptitude, technical and personal competencies and facilitates job placements.

Entrepreneurship Development and Incubation: The institute has ED Cell and Incubation centre on the campus to train the students to become good entrepreneurs.

Continuing education using ICT: The college has been chosen a Remote Centres for Spoken Tutorials, NPTEL online courses and certification, MOOC courses are also arranged.

Counselling services are available for students to address the pressures of family expectations, personal expectations, academic pressure, social pressure, psychological adjustments and identity formation.

College Associations: comprising of representatives from Administration, Faculty and Students nurture a sense of leadership and ownership among students.

Health Care Unit: campus infirmaries, annual medical camps, health services supported by "Project Child", Yoga Clinics etc take care of health issues on campus.

Grievance Redressal Mechanism is functional right from inception.

Scholarships Scheme: The college provides merit-cum-means scholarships out of a dedicated corpus fund.

Governance, Leadership and Management

Governance, Leadership and Management:

Conceptualization of the college took place over 36 months of consultations on vision and mission, choice of study programmes, human resource requirements, networking, fund raising and sustainability.

Consultancy in Strategic Planning:

Major Decision Making Bodies: Governing Body, the Board of Management, and the Academic Council meetings and departmental board of studies meetings.

Organizational Structure is defined in an Organogram.

Decentralisation of Decision Making is done at every level: Controller of Examinations, HODs, principals Directors, the Registrar and the Vice Chancellor.

Human Resource Management is under Director with clear service rules, job descriptions and an employee manual.

Process Mapping and Standard Operating Procedures for all systems in the college ensure excellence in every field.

Smaller Structures of Governance, namely Committees for various purposes, are built in to ensure involvement and participation.

Faculty Empowerment Strategies include Staff Development Programmes, Professional Development Allowance, Induction and Orientation Programmes, Performance Appraisal and Feedback, Refresher Courses.

Management of Financial Resources: a Finance Committee for budgets and internal audits, external auditors for final audit, an investment firm to manage the investment of any surplus fund.

The Role of the IQAC: The IQAC is involved in planning, auditing performance, vetting strategic issues and in maintaining quality parameters.

Accessibility of the Leadership afforded to everyone in the college to interact with all officials is an outstanding characteristic of the college.

Institutional Values and Best Practices

Institutional Values and Best Practices:

Institutional Values: This is an area of that is deeply ingrained in the foundational principles of the college and are expressed in all related parameters

Best Practice – 1

Framework for instruction delivery fostering effective knowledge transfer

In this context, developing a framework for instruction delivery and benchmarks for measuring the attainment of the outcomes quantitatively and qualitatively are essential. Appropriate remedial steps are taken for continuous improvement.

Best Practice – 2

Harnessing Research and Innovation ecosystem for Student Empowerment (H-RISE)

An essential component of the mandate of KSRM College of Engineering is created and sustained an atmosphere of intellectual excitement, for innovation among students and faculty. Faculty are trained and emancipated to undertake scholarly activity at CRI. The CRI mimics the corporate industry work culture and ethics.

Best Practice – 3

Creation and maintenance of an Eco-friendly Campus:

Since college is located in drought area, plantation of trees leads to increase in rainfall. To maintain pollution free environment in the college premises.

Best Practice – 4

Improving Teaching and Learning Process

The college improved teaching and learning in the following ways.

- curiosity of a student to question the obvious and to increase the interaction in the class
- An Academic Calendar is prepared.

NAAC

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	K.S.R.M. COLLEGE OF ENGINEERING
Address	YERRAMASU PALLI, C.K.DINNE MANDAL KADAPA-516003
City	KADAPA
State	Andhra Pradesh
Pin	516003
Website	www.ksrmce.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Professor	D. RAVIKANT H	08562-273972	9440506828	08562-24416 1	ravikanth@ksrmce. ac.in
Principal	V.S.S.MURT HY	08562-201488	9885230680	08562-24882 9	principal@ksrmce. ac.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Day

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of Establishment, Prior to the Grant of	04-09-1980

'Autonomy'	
Date of grant of 'Autonomy' to the College by UGC	19-06-2014

University to which the college is affiliated		
State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University, Anantpur	View Document

Details of UGC recognition	
Under Section	Date
2f of UGC	25-02-2013
12B of UGC	25-02-2013

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	10-04-2017	12	

Recognitions	
Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	YERRAMASU PALLI, C.K.DINNE MANDAL KADAPA-516003	Rural	35.23	37144

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering	48	Intermediate Diploma Degree	English	180	110
UG	BTech,Electrical And Electronics Engineering	48	Intermediate Diploma Degree	English	120	30
UG	BTech,Mechanical Engineering	48	Intermediate Diploma Degree	English	180	71
UG	BTech,Electronics And Communications Engineering	48	Intermediate Diploma Degree	English	180	146
UG	BTech,Computer Science Engineering	48	Intermediate Diploma Degree	English	180	153
PG	Mtech,Civil Engineering	24	Engineering	English	18	14
PG	Mtech,Electrical And Electronics Engineering	24	Engineering	English	18	5
PG	Mtech,Mechanical Engineering	24	Engineering	English	18	3
PG	Mtech,Electronics And Communications Engineering	24	Engineering	English	18	4
PG	Mtech,Computer Science	24	Engineering	English	18	3

	Engineering					
Doctoral (Ph.D)	PhD or DPhil,Civil Engineering	36	PG	English	2	2
Doctoral (Ph.D)	PhD or DPhil, Mechanical Engineering	36	PG	English	2	2
Doctoral (Ph.D)	PhD or DPhil, Electronics And Communications Engineering	36	PG	English	1	1
Doctoral (Ph.D)	PhD or DPhil, Computer Science Engineering	36	PG	English	1	1

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	34				68				245			
Recruited	32	1	0	33	25	3	0	28	177	68	0	245
Yet to Recruit	1				40				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				10
Recruited	10	0	0	10
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	10	0	0	10
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				10
Recruited	10	0	0	10
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				10
Recruited	10	0	0	10
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	30	1	0	14	1	0	3	4	0	53
M.Phil.	0	0	0	0	0	0	8	0	0	8
PG	2	0	0	13	1	0	166	64	0	246

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		0	0	0

Provide the Following Details of Students Enrolled in the College During the Current Academic Year

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
PG	Male	28	5	0	0	33
	Female	36	0	0	0	36
	Others	0	0	0	0	0
UG	Male	2035	30	0	0	2065
	Female	598	12	0	0	610
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	5	0	0	0	5
	Female	1	0	0	0	1
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	46	50	54	68
	Female	12	9	5	22
	Others	0	0	0	0
ST	Male	7	11	11	12
	Female	3	1	3	2
	Others	0	0	0	0
OBC	Male	123	184	217	171
	Female	29	57	24	30
	Others	0	0	0	0
General	Male	194	278	293	251
	Female	67	145	149	135
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		481	735	756	691

2.3 EVALUATIVE REPORT OF THE DEPARTMENTS

Department Name	Upload Report
Civil Engineering	View Document
Computer Science Engineering	View Document
Electrical And Electronics Engineering	View Document
Electronics And Communications Engineering	View Document
Mechanical Engineering	View Document

3. Extended Profile

3.1 Programme

Number of programs offered year wise for last five years

2016-17	2015-16	2014-15	2013-14	2012-13
03	02	02	02	02

Number of all programs offered by the institution during the last five years

Response : 03

How many self-financed Programmes does the institution offer

Response : 0

Number of new programmes introduced during the last five years, if any

Response : 02

Number of UG programmes offered by the College, which are not covered under the Autonomous status of UGC

Response : 0

Number of PG programmes offered by the College, which are not covered under Autonomous status of UGC

Response : 0

Whether the College is offering professional programme

Response : Yes

3.2 Student

Number of students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2704	2870	2999	2822	2541

Number of outgoing / final year students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
704	683	680	649	625

Total number of outgoing / final year students**Response : 750****Number of students appeared in the University examination year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
2748	2881	2860	2774	2699

Number of revaluation applications year wise during the last 5 years

2016-17	2015-16	2014-15	2013-14	2012-13
81	301	86	50	50

3.3 Academic**Number of courses in all programs year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
14	10	11	11	11

Number of courses offered by the institution across all programs during the last five years**Response : 16****Number of full time teachers year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
299	270	254	221	170

Number of full time teachers worked in the institution during the last 5 years

Response : 361

Number of teachers recognized as guides during the last five years

Response : 317

Number of sanctioned posts year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
300	270	254	221	170

Total number of publications during the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Response : 48

3.4 Institution

Number of eligible applications received for admissions to all the programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
481	735	756	691	722

Number of seats earmarked for reserved category as per GOI/State Govt rule year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
416	416	416	346	336

Total number of classrooms and seminar halls

Response : 50

Total number of computers in the campus for academic purpose

Response : 791

Total Expenditure excluding salary year wise during the last five years (INR in Lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
484.1	545.6	550	570	396.7

Annual lighting power requirement (in KWH)

Response : 36000

Annual power requirement of the institution (in KWH)

Response : 370568

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4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curriculum Design and Development

1.1.1 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 the program offered by the Institution

Response:

K.S.R.M. College of Engineering has an ambitious vision of transforming the young minds into competent technocrats and managers to practice their profession in a boundary less world. Towards the attainment of this vision, the Institute is to be recognized as one of the premier institution in engineering education, research and transfer of knowledge for the benefit of local as well as global society. It intends to be world class institute creative in character, with innovation high on agenda. The Institution dreams big, think great and intends to be heading towards world class education by using autonomy effectively and contribute to the industrial/social development of the area. The trustees of the society and the Board of Governors are visionaries, imaginative and committed to the cause. They are fully conscious about the changes that are happening at the global level and motivate and guide to set the institute in to dynamic responsive to the changing techno economic scenario.

All the programs are designed based on the Graduate Attributes (GAs) recommended by National Board of Accreditation (NBA). These GAs are the knowledge and skill sets to be possessed by the engineering graduates to become a competent engineer to face global challenges. These GAs cover the technical knowledge of science and engineering, ability to solve the engineering problems, design and conduct the experiments, analyze the results using research methodology. These GAs also cover the professional skills like working in a team, communication, use of modern tools, societal and environmental requirements.

At KSRMCE, Outcome based curriculum design mechanism has been implemented. For each program of study, program educational objectives (PEOs) are formulated. These PEOs reflect the career and professional accomplishment of the graduates passed out from the program are formulated. Next program outcomes (POs) are formulated. POs are the narrower statements which reflect, what knowledge and abilities students should gain upon completion of the program. These POs are established in line with the PEOs of the program and graduate attributes (GAs) recommended by National Board of Accreditation (NBA). Curriculum structure and detailed curriculum is then prepared which collectively satisfies all the POs In addition programme specific outcomes(PSO) are also framed. Curriculum is set of theory courses, laboratory courses, seminars, projects etc. Experiential learning is the theme of the curriculum. While switching from university affiliation to autonomous status number of mini projects have been added. Professional skills development courses have been added to improve the soft skills of the students.

Each department in KSRM has established Departmental Board of Studies(DBS).Industry experts, Parents,

Alumni and senior faculty of the department are the members of DBS. Meetings of the DBS are held at least twice in a year. The various matters which are discussed in the DBS meetings are defining and redefining PEOs, PSOs and POs, curriculum design based on the recommendation of Board of Studies (BOS). Feedback on curriculum is also collected through the alumni survey and employer survey which is considered while designing the curriculum by the BOS.

The following aspects are ensured through curriculum design and development

- Employability
- Innovation
- Research

Curriculum is designed with the following GAs

1. Engineering knowledge
2. Problem analysis
3. Design/development of solutions
4. Conduct investigations of complex problems
5. Modern tool usage
6. The engineer and society
7. Environment and sustainability
8. Ethics
9. Individual and team work
10. Communication
11. Project management and finance
12. Life-long learning

GA numbers 1 to 5 are based on the technical competency while the GA numbers 6 to 12 are based on the professional development. If the curriculum is based on all of this GAs, it ensures employability, innovation and research. Technical events like Tantricmela, Enfeu etc. are organized by the student's organization to provide the platform to showcase the research of the students. Students are encouraged to take industry sponsored projects based on the real life problems.

KSRMCE ensures that the curriculum developed addresses the needs of the society and have relevance to the regional / national development needs

GA number six is about the engineer and society. While designing the curriculum care is taken that this GA is satisfied. Environment Science is introduced as a core course in all the programs. Students undertake a mini project based on the environment science. In fact number of mini projects are included in the curriculum. Through these projects, students undertake the problems related to society, regional and national development needs.

1.1.2 Percentage of programs where syllabus revision was carried out during the last five years

Response: 66.67

1.1.2.1 How many programs were revised out of total number of programs offered during the last five years

Response: 2

File Description	Document
Minutes of relevant Academic Council/BOS meeting	View Document
Details of program syllabus revision in last 5 years	View Document

1.1.3 Average percentage of courses having focus on employability/ entrepreneurship/ skill development

Response: 100

1.1.3.1 Number of courses having focus on employability/ entrepreneurship/ skill development year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
14	10	11	11	11

File Description	Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Average percentage of courses having focus on employability/ entrepreneurship	View Document

1.2 Academic Flexibility

1.2.1 Percentage of new courses introduced of the total number of courses across all programs

offered during the last five years

Response: 31.25

1.2.1.1 How many new courses are introduced within the last five years

Response: 5

File Description	Document
Institutional data in prescribed format	View Document

1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented

Response: 71.43

1.2.2.1 Number of programs in which CBCS/ Elective course system implemented.

Response: 10

File Description	Document
Institutional data in prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1 Institution integrates cross cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

Response:

The cross-cutting issues like Gender, Environmental sustainability, Human Values and Professional Ethics etc., find an ample space when it comes to applying them positively into the curriculum. Institute believes in maintaining healthy environment for all its students. The curriculum is designed by the university itself, includes many of these aspects such as the subjects namely Professional Ethics and Human Values and Environmental Studies in the First Year.

On Gender: From the most fundamental concept of Gender to feminist philosophy and feminist thoughts, from understanding of basic concepts of gender to application of feminist research methodology, gender and its inter sectionality with the social phenomenon. These elements are incorporated at varying levels in different disciplines.

On Environment and Sustainability: The multi dimension of environment and sustainability as a cross cutting issue is carefully placed. Various themes that are focused on are: green Technology in engineering and life sciences; environmental laws; pollution; low cost housing; natural resource management; waste management; environment sustainability, rural development etc.

The college vision explicitly mentions **human values, social commitment and ethics:** intellectual

competence, moral uprightness, social commitment, spiritual orientation service to society. These elements are inculcated in the value system of the college community, learners on one hand and staff and faculty on the other side. Some of the human values that are integrated into the curriculum are: justice, dignity of life, peace, harmony, acceptance and respect for diversity in religion, ethnicity, culture and gender, discipline and hard work, honesty and integrity of life, commitment to society, especially the less privileged, etc..

Thus, the curriculum including the pedagogy is designed integrating these cross cutting issues pertaining to gender, environment and sustainability Human values and professional ethics in varying disciplines in all the departments..

All the branches have a course in Communication skills (using English), having both theory and practice in the first and second semesters.

Issue	Name of the Program	Name of the Subject	
Gender	B.Tech All courses	All courses are gender neutral.	
Environment and Sustainability	B.Tech All courses	Environmental Studies	
Human Values and Professional Ethics	B.Tech All courses	Human Values and Professional Ethics	
	B.Tech Mechanical Engg.	Industrial Management, Estimation and Costing	W
	B.Tech Civil Engg.	Estimation and Costing	

File Description	Document
Upload the list and description of the courses which address the Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum	View Document

1.3.2 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 26

1.3.2.1 How many new value-added courses are added within the last 5 years

Response: 26

File Description	Document
List of value added courses	View Document

1.3.3 Average percentage of students enrolled in the courses under 1.3.2 above

Response: 20.16

1.3.3.1 Number of students enrolled in value-added courses imparting transferable and life skills offered year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
560	560	560	560	560

File Description	Document
List of students enrolled	View Document

1.3.4 Percentage of students undertaking field projects / internships

Response: 20.56

1.3.4.1 Number of students undertaking field projects or internships

Response: 550

File Description	Document
List of programs and number of students undertaking field projects / internships	View Document

1.4 Feedback System

1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni 5) Parents for design and review of syllabus Semester wise /year wise

A. Any 4 of above

B. Any 3 of above

C. Any 2 of above

D. Any 1 of above

Response: A. Any 4 of above

File Description	Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback processes of the institution may be classified as follows:

A. Feedback collected, analysed and action taken and feedback available on website

B. Feedback collected, analysed and action has been taken

C. Feedback collected and analysed

D. Feedback collected**Response:** A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
URL for feedback report	View Document

NVAAC

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrolment and Profile

2.1.1 Average percentage of students from other States and Countries during the last five years

Response: 0.47

2.1.1.1 Number of students from other states and countries year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	11	13	20	14

File Description	Document
List of students (other states and countries)	View Document
Institutional data in prescribed format	View Document

2.1.2 Demand Ratio(Average of last five years)

Response: 0.62

2.1.2.1 Number of seats available year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1188	1188	1188	990	960

File Description	Document
Demand Ratio (Average of Last five years)	View Document

2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years

Response: 77.65

2.1.3.1 Number of actual students admitted from the reserved categories year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
220	312	314	305	325

File Description	Document
Average percentage of seats filled against seats reserved	View Document

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners

Response:

Advanced learners and slow learners are formally identified through the marks they score in the internal and end semester exams, and less formally identified through their attentiveness in class, their interest in their subject, their English language skills, etc.

The Faculty Advisors, who are in charge of a class for all years of the students, are fully aware of and closely monitors the progress of each student in class. There is a counseling session in each semester, where teachers interact with the students. Parents are given specific feedback on the progress of their wards. This has a palpable impact on the performance of students not only in academics but also in encouraging positive behavioral changes in them.

The Students whose performance is not up to the mark are given remedial education. They are given additional learning material and extra coaching. Coaching classes are conducted for the slow learners after the completion of the syllabus in a regular manner. Remedial Classes are conducted on working days during 4 P.M to 5 P.M and on Saturdays from 9 A.M to 4 P.M for slow learners.

Advanced students are encouraged to present papers at national seminars and to participate in techfests that are conducted by various institutions. They are also supported to take competitive examinations for admission to national institutes and awareness is created on competitive exams like GATE, GRE, TOFEL, CAT, IES etc.

Advanced learners are encouraged to utilize the online courses and resources provided by NPTEL, National Digital Library and SWAYAM.

2.2.2 Student - Full time teacher ratio

Response: 8.71

File Description	Document
Institutional data in prescribed format	View Document

2.2.3 Percentage of differently abled students (Divyangjan) on rolls**Response:** 0**2.2.3.1 Number of differently abled students on rolls**

File Description	Document
Institutional data in prescribed format	View Document

2.3 Teaching- learning Process**2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences****Response:**

Student centered methods are an integral part of the pedagogy adopted by the faculty. The institution has made a conscious effort to shift from the traditional teacher–centric approach to a student-centric one. Experiential learning, participative learning, and problem solving methodologies are used for enhancing learning experiences. The teacher’s role is that of a facilitator who promotes self management of knowledge, holistic development and skill formation through participatory learning activities such as: Individualized activities: Internships, Mini-projects, Seminars, paper presentations, internet research etc. Group activities: Project Work, Tutorials, Group discussion, Model making, organizing exhibitions, Intercollegiate and interdepartmental competitions, Interactive guest lectures, Brainstorming, app development, Role play, short film-making, Field survey/Field work/Field trips, Debates, Quizzes, industrial visits etc., Student club of the college organize activities to facilitate the creative academic pursuits of the students individually and collectively. It also promotes collaborative learning, team spirit and organization skills. Inculcation of book reading habits makes the student a lifelong learner. Free access to the internet and DELNET (e-journals) make them self-reliant and independent learners. The objective of these programmes is to use knowledge as a tool and create a globalised-vision to transform them into lifelong learners and innovators.

2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.**Response:** 91.21**2.3.2.1 Number of teachers using ICT****Response:** 280

File Description	Document
List of teachers (using ICT for teaching)	View Document

2.3.3 Ratio of students to mentor for academic and stress related issues

Response: 9.98

2.3.3.1 Number of mentors

Response: 268

File Description	Document
Year wise list of number of students, full time teachers and mentor/mentee ratio	View Document

2.3.4 Preparation and adherence to Academic Calendar and Teaching plans by the institution

Response:

The college has an academic schedule which is strictly followed by all the departments. The first semester is organized with a total working days of 90 days, which comprises of theory sessions and six days for first & second session examinations each. Syllabus for each subject is completed before the commencement of second session examination. For lab examinations there will be a time span of six days after completion of last working day for theory sessions, following which the end examinations will commence and will be completed within 12 days. There will be a semester break of 10 days in between the first and second semester. After the semester break classes for second semester will start and will have 90 days theory session, 6days for first and second session each, 6 days for lab examinations and 12 days for end examination. After completion of second semester there will be summer break of about 6 weeks following which commencement of class work for next academic year first semester. The academic calendar along with department activities calendar are published in Google Calendar and shared with all stake holders. The academic calendars are displayed in college website <http://www.ksrmce.ac.in/examportal.html>

The entire faculties in this organization are well qualified with much experience. Everyone will be having lesson plan for each and every subject they taught in the past and present semester, which they follow perfectly. They complete 50% of syllabus before the first session examination and the remaining 50% is completed before second session examination. Based on the necessity explanation will be given in off board mode and on board mode. Assignments will be given for every student on every unit and the same will be discussed along with the previous examination question papers.

2.4 Teacher Profile and Quality

2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

Response: 99.93

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	View Document

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years**Response:** 15.72

2.4.2.1 Number of full time teachers with Ph.D. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
53	50	43	38	14

File Description**Document**

List of number of full time teachers with PhD and number of full time teachers for 5 years

[View Document](#)**2.4.3 Teaching experience of full time teachers in number of years****Response:** 7.83

2.4.3.1 Total experience of full-time teachers

Response: 2403

File Description**Document**

List of Teachers including their PAN, designation,dept and experience details

[View Document](#)**2.4.4 Average percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years****Response:** 0.16

2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	0	0	1	0

File Description**Document**

Institutional data in prescribed format

[View Document](#)

e-copies of award letters (scanned or soft copy)

[View Document](#)

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years**Response:** 19.32**2.4.5.1 Number of full time teachers from other states year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
78	70	61	43	2

File Description**Document**

List of full time teachers from other state and state from which qualifying degree was obtained

[View Document](#)**2.5 Evaluation Process and Reforms****2.5.1 Average number of days from the date of last semester-end/ year- end examination till the declaration of results during the last five years****Response:** 68.4**2.5.1.1 Number of days from the date of last semester-end/ year- end examination till the declaration of results year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
49	61	60	78	94

File Description**Document**

List of programs and date of last semester and date of declaration of result

[View Document](#)

Any additional information

[View Document](#)**2.5.2 Average percentage of student complaints/grievances about evaluation against total number appeared in the examinations during the last five years****Response:** 0**2.5.2.1 Number of complaints/grievances about evaluation year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of complaints and total number of students appeared year wise	View Document

2.5.3 Average percentage of applications for revaluation leading to change in marks

Response: 8.43

2.5.3.1 Number of applications for revaluation leading to change in marks year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
13	20	15	1	0

File Description	Document
Year wise number of applications, students and revaluation cases	View Document

2.5.4 Positive impact of reforms on the examination procedures and processes including IT integration and continuous internal assessment on the examination management system

Response:

This section describes the positive impacts of examination reforms under autonomous regulations.

Positive impact on Examination procedures

- All the internal examinations are made compulsory.
- For the revaluation, the script will be revaluated by an examiner. The maximum of revaluation and regular end examination marks will be awarded for that subject.
- The final year results are declared within one month from the last day of examination to ensure that the students do not miss any opportunity in their professional career.
- Apart from the regular examinations, special examinations for final year second semester students are conducted immediately after declaration of the results which helps the students who missed the regular exams due to reasons like health issues etc.
- The visit of lightning squad to examination halls with Head of the departments and senior faculty

has a positive impact in minimizing the number of malpractices.

- The seating arrangement in the examination hall for only 24 candidates to an invigilator arranging in 4 rows, each row accommodating 6 candidates has added beauty and quality to invigilation.
- The Tatkal Scheme which has been introduced to issue degree certificate, marks statement of any semester which the candidate has passed within 24 hours after applying has a positive impact and no student will be denied of any opportunity since there will be no delay in getting certificates.
- A suggestion/complaint box is placed at the Office of the controller of the examinations so that the students might lodge their comments/opinions in the box on their examination question paper and these comments will be immediately taken into consideration.
- Jumbling system has been introduced which has a positive impact and lessened the number of copying cases and made the examination system effective.

Positive impact on IT integration

- Computerization of Examination system ensures a centralized functioning of the overall examination process (entry of marks for internal and external evaluations, attendance etc.)
- Two separate excel sheets are provided for checking. One file having coding number and corresponding student register number and second file having student register number and his/her corresponding subject marks. These two files can be compared with the software, so that mismatch can be avoided.
- E-CAP system helps the parents/teachers to check the progress of the student on a regular basis.
- Quiz, Assignments using Google classrooms and spoken tutorial are the forms of online examinations that the students appear which creates IT based awareness in the students.

Continuous internal assessment

- Continuous internal assessment system is conducted through class tests, presentations, assignments, quizzes, tutorials, two internal and one End examination. This assessment gives enough scope to the students to improve their performance and analyze their progress on a time to time basis.
- To ensure a more comprehensive and continuous evaluation, the college adheres to a precise and clear process of internal evaluation. For theory subjects, including audit subjects, the internal assessment shall be done by two midterm tests. Earlier, the better marks of the two midterm-tests of the in-semester assessment were taken; Now, Internal assessment marks in a subject will be calculated as weighted sum of the two midterm test marks in that subject. The weights are: 20% for the minimum midterm marks and 80% for the maximum midterm marks. Any fractional mark after adding all contributions is rounded up to next integer mark. If any student absents for any midterm test, she/he will be awarded zero marks for that midterm test.
- Shift from year wise scheme to semester system for I B.Tech students gave scope for continuous internal assessments.

2.5.5 Status of automation of Examination division along with approved Examination Manual

A. 100% automation of entire division & implementation of Examination Management System (EMS)

B. Only student registration, Hall ticket issue & Result Processing

C. Only student registration and result processing**D. Only result processing**

Response: A. 100% automation of entire division & implementation of Examination Management System (EMS)

File Description	Document
Annual reports of examination including the present status of automation	View Document
Current Manual of examination automation system	View Document
Current manual of examination automation system and Annual reports of examination including the present status of automation	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes for all programs offered by the Institution are stated and displayed on website and communicated to teachers and students

Response:

The Program Outcomes(POs), Program Specific Outputs(PSOs) and Course Outcomes (COs) are published in college website, at department display boards. The POs are disseminated during the Faculty Development Programs, seminars, workshops and other activities conducted by the department. The POs of the institute are presented to the newly joined students and their parents during orientation program conducted at the time of joining during the 1st year of B.Tech. Awareness is created among all the senior students through interactive sessions conducted during the academic year.

The PO's, PSO's and CO's are published at

- College Website www.karmce.ac.in
- Display Boards
- Laboratories
- Department Library
- Course File

The PO's PSO's and CO's are disseminated through

- Staff meetings
- Student Orientation programme
- Class Teachers to the respective classes at the beginning of every Semester course.
- College Website www.karmce.ac.in

File Description	Document
COs for all courses (exemplars from Glossary)	View Document

2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution

Response:

Type of Assessment TOOL	Assessment Tool	Assessment criteria	Responsible en
Direct	Internal Examinations	Marks obtained in internal Examination	Subject Teacher
Direct	Final Examination	Marks obtained in Final Examination	Subject Teacher
Direct	Placement Record	Number of student placed during the graduation	Placement offic
Direct	Placement Record	Number of student placed after graduation	Placement offic
Direct	Higher studies Record	Number of students who opted for higher studies	Department
Indirect	Alumni Survey	Level of Achievement	Department
Direct	Entrance test	Score in GATE/GRE/TOEFL/CAT/PGECET	Department

Overall POs, PSOs and COs assessment:

The POs, PSOs and COs are assessed on a 5 point scale. If the value is greater than 4.5, it is considered as excellent, between 3.5 and 4.5 it is considered as Very Good, 3 to 3.5 is considered as Good, 2 to 3 is Fair and less than 2 is Poor.

The average attainment levels of POs: 4.1

PSOs: 3.9

COs: 4.3

2.6.3 Average pass percentage of Students

Response: 80.78

2.6.3.1 Total number of final year students who passed the university examination

Response: 2926

2.6.3.2 Total number of final year students who appeared for the examination

Response: 3622

File Description	Document
List of programs and number of students passed and appeared in the final year examination	View Document

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

Response:

File Description	Document
Database of all currently enrolled students	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Promotion of Research and Facilities

3.1.1 The institution has a well defined policy for promotion of research and the same is uploaded on the institutional website

Response: Yes

File Description	Document
Minutes of the Governing Council/ Syndicate/Board of Management related to research promotion policy adoption	View Document
URL of Policy document on promotion of research uploaded on website	View Document

3.1.2 The institution provides seed money to its teachers for research (average per year)

Response: 8.2

3.1.2.1 The amount of seed money provided by institution to its faculty year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
7.00	10.00	10.00	10.00	4.00

File Description	Document
List of teachers receiving grant and details of grant received	View Document

3.1.3 Number of teachers awarded international fellowship for advanced studies/ research during the last five years

Response: 0

3.1.3.1 The number of teachers awarded international fellowship for advanced studies / research year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of teachers and their international fellowship details	View Document

3.1.4 Institution has the following facilities

1. Central Instrumentation Centre
2. Animal House/Green House / Museum
3. Central Fabrication facility
4. Media laboratory/Business Lab/Studios
5. Research / Statistical Databases

A. Any four facilities exist

B. Three of the facilities exist

C. Two of the facilities exist

D. One of the facilities exist

Response: B. Three of the facilities exist

File Description	Document
Link to videos and photographs geotagged	View Document

3.2 Resource Mobilization for Research

3.2.1 Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution during the last five years(INR in lakhs)

Response: 130.93

3.2.1.1 Total Grants for research projects sponsored by the government/non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
7.5	4.8	8.5	110.13	0

File Description	Document
List of project and grant details	View Document

3.2.2 Number of research centres recognised by University and National/ International Bodies

Response: 4

3.2.2.1 Number of research centres recognised by University and National/ International Bodies

Response: 4

File Description	Document
Names of research centres	View Document

3.2.3 Percentage of teachers recognised as research guides

Response: 14.66

3.2.3.1 Number of teachers recognised as research guides

Response: 45

File Description	Document
Details of teachers recognized as research guide	View Document

3.2.4 Average number of research projects per teacher funded by government and non-government agencies during the last five years

Response: 0.03

3.2.4.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 10

File Description	Document
List of research projects and funding details	View Document

3.3 Innovation Ecosystem

3.3.1 Institution has created an eco system for innovations including Incubation centre and other initiatives for creation and transfer of knowledge

Response:

CENTER FOR RESEARCH AND INNOVATION POLICY DOCUMENT

Category	Research and Innovation
Approved by	College Academic Council
Approval date	25-08-2014
Effective date	25-08-2014
Next review date	24-08-2018
Policy administrator	Coordinator, Center for Research and Innovation
Version	1.0

Purpose

An essential component of the mandate of KSRRM College of Engineering (College) is to create and sustain an atmosphere of intellectual excitement, a climate of inquiry and innovation among students and faculty. The Center for Research and Innovation is the vehicle for establishing procedures for the conduct of research and scholarly activity and to promote applied research and innovation

Scope and Limits

This policy applies to all persons participating and conducting research and innovation activities under the auspices of the College

Policy Statements

1. **Establishment:** The Governing Body of the College authorized the College Academic Council to establish and manage Center for Research and Innovation (CRI). CRI will prepare and implement policies for research and innovation activities within the College
2. **Governing:** CRI will be governed by a committee consisting of the following members:
 1. Principal of College, Chairman of committee
 2. Director of College, ex officio Member
 3. Coordinator, CRI, ex officio Member and Secretary of the committee
 4. Heads of all Academic Departments, ex officio Members
 5. Faculty nominated by Principal, Members
 6. Expert from Industry nominated by Principal, Member
 7. Expert from Academics nominated by Principal, Member
 8. Student nominated by Principal, non-voting Member

All members have equal voting rights except the nominated student member

1. **Responsibilities:** The primary responsibility is to create and nurture the research and innovation ecosystem in the College. The responsibilities are, but not limited to:
 1. Sponsor and administer research promotion policies reflecting the Vision and the College
 2. Network with industries and research institutions for funding and cooperation
 3. Enable faculty and students to contribute to research and innovation activities
 4. Establish and maintain infrastructure required for research and innovation
 5. Promote emerging areas of research and innovation
 6. Promote product development and assist in monetization of research
 7. Promote and administer consultancy works

8. Sensitize the stakeholders to adhere to Code of Ethics in Research

2. **Tenure of Members:** The tenure of ex officio members shall be two years
3. **Quorum:** The quorum for all meetings of the committee is 50%, rounded to next higher integer number, of the members with voting rights
4. **Meeting Schedule:** The committee shall meet at least two times each semester. The Coordinator shall prepare the agenda and convene the meetings as appropriate
5. **Reporting:** The CRI shall report to College Academic Council
6. **Review and Feedback:** Coordinator, CRI, will propose modifications and improvements to this policy document based on experiences, and feedback from stakeholders and others. College Academic Council will review the proposed modifications and incorporate them into the policy. Any questions and feedback may be directed to cri@ksrmce.ac.in

File Description	Document
Any additional information	View Document

3.3.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry - Academia Innovative practices during the last five years

Response: 14

3.3.2.1 Total number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	3	6

File Description	Document
List of workshops/seminars during the last 5 years	View Document
Report of the event	View Document

3.3.3 Number of awards for innovation won by institution/ teachers/ research scholars/students during the last five years

Response: 10

3.3.3.1 Total number of awards for innovation won by institution/teachers/research scholars/students year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	4	4	1	0

File Description	Document
List of innovation and award details	View Document

3.3.4 Number of start-ups incubated on campus during the last five years

Response: 7

3.3.4.1 Total number of start-ups incubated on campus year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	4	1	1	1

File Description	Document
List of startups details like name of startup, nature, year of commencement etc	View Document

3.4 Research Publications and Awards

3.4.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

Response: Yes

File Description	Document
Any additional information	View Document
Institutional data in prescribed format	View Document

3.4.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

Response: Yes

File Description	Document
List of Awardees and Award details	View Document

3.4.3 Number of Patents published/awarded during the last five years

Response: 0

3.4.3.1 Total number of Patents published/awarded year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
List of patents and year it was awarded	View Document

3.4.4 Number of Ph.D.s awarded per teacher during the last five years

Response: 0

3.4.4.1 How many Ph.Ds are awarded within last 5 years

Response: 1

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.4.5 Number of research papers per teacher in the Journals notified on UGC website during the last five years

Response: 0.25

3.4.5.1 Number of research papers in the Journals notified on UGC website during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
81	75	48	71	36

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document

3.4.6 Number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings per teacher during the last five years

Response: 0.06

3.4.6.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
18	13	5	6	25

File Description	Document
List books and chapters in edited volumes / books published	View Document

3.4.7 Bibliometrics of the publications during the last five years based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Response: 1.06

3.4.7.1 Total number of citations received by publications in the last 5 years, which are included in online databases such as SCOPUS, web of science or PubMed/ Indian Citation Index

Response: 51

File Description	Document
BiblioMetrics of the publications during the last five years	View Document

3.4.8 Bibliometrics of the publications during the last five years based on Scopus/ Web of Science - h-index of the Institution

Response: 0.18

3.4.8.1 Number of citations received by individual research publications in the last 5 years

Response: 5

3.4.8.2 Number of publications receiving proportionately maximum number of citation in the last five years

Response: 28

File Description	Document
Bibliometrics of publications based on Scopus/ Web of Science - h-index of the Institution	View Document

3.5 Consultancy

3.5.1 Institution has a policy on consultancy including revenue sharing between the institution and the individual

Response: Yes

File Description	Document
URL of the consultancy policy document	View Document

3.5.2 Revenue generated from consultancy during the last five years

Response: 68.16

3.5.2.1 Total amount generated from consultancy year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
18.2	14.16	13.6	12.2	10

File Description	Document
List of consultants and revenue generated by them	View Document

3.5.3 Revenue generated from corporate training by the institution during the last five years

Response: 1

3.5.3.1 Total amount generated from corporate training by the institution year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	1.0	0	0

File Description	Document
List of teacher consultants and revenue generated by them	View Document

3.6 Extension Activities

3.6.1 Extension activities in the neighbourhood community in terms of impact and sensitising

students to social issues and holistic development during the last five years**Response:**

K.S.R.M. College of Engineering actively involved in extension activities in the adjacent villages. Some of the activities during the last five years are listed below:

- A free skill development training program was introduced. The objective of this program is to train educated unemployed youth with skills to earn a livelihood.
- One day sensitization program was organized by the school of humanities and social sciences on participatory photography among the various community members of nearby villages. The purpose of this activity was to exploit the accessibility of photography where community members take pictures of them.
- The women empowerment cell of the department of CSE has organized one-day training by giving a one-day hands-on training on “Basic Computer Fundamentals” to women in November 2015. The primary objective was to carry out a drive towards social commitment by providing basic computer literacy in remote area to school teachers so as to make them able to use computers and related technology efficiently.
- The civil Engineering department organized an event on green world to create awareness about environment on the occasion of world earth day.
- A program was started which was mainly aimed at providing the children with tutorials in subjects like Mathematics, Science, Social Sciences and English, besides taking care of their growth and developmental need as adolescents in a climate of rapidly changing and often hostile environments.
- The college hosted a tree plantation drive in the surrounding community of the college.

3.6.2 Number of awards and recognitions received for extension activities from Government /recognised bodies during the last five years**Response: 7**

3.6.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	1	1	1

File Description**Document**

Number of awards for extension activities in last 5 years

[View Document](#)

3.6.3 Number of extension and outreach programs conducted in collaboration with industry, community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc., during the

last five years**Response:** 24

3.6.3.1 Number of extension and outreach programs conducted in collaboration with industry,community and Non-Government Organisations through NSS/NCC/Red cross/YRC etc.,year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
6	6	4	5	3

File Description**Document**

Number of extension and outreach programs conducted with industry,community etc for the last five years

[View Document](#)

3.6.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

Response: 79.01

3.6.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2200	2500	2000	2180	2100

File Description**Document**

Average percentage of students participating in extension activities with Govt. or NGO etc.

[View Document](#)

3.7 Collaboration

3.7.1 Number of Collaborative activities for research, faculty exchange, student exchange per year

Response: 4.2

3.7.1.1 Total number of Collaborative activities for research, faculty exchange, student exchange year

wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	1	7	5	3

File Description	Document
Number of Collaborative activities for research, faculty etc.	View Document

3.7.2 Number of linkages with institutions/industries for internship, on-the-job training, project work, sharing of research facilities etc. during the last five years

Response: 21

3.7.2.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	1	7	5	3

File Description	Document
Details of linkages with institutions/industries for internship	View Document

3.7.3 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. during the last five years (only functional MoUs with ongoing activities to be considered)

Response: 21

3.7.3.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
5	1	7	5	3

File Description	Document
Details of functional MoUs with institutions of national, international importance, other universities etc. during the last five years	View Document

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Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The institution has adequate facilities for teaching - learning. viz., classrooms, laboratories, computing equipment, etc

Response:

- KSARM College of Engineering has 50 Class Rooms including Seminar Halls.
- Internet facility is available in the faculty cabins with a LAN connection, in addition to the Wi-Fi enabled for all the campus.
- All the departments have well equipped laboratories with art of state facilities.
- Students can access the internet in the Internet Centre as well as the Wi-Fi available in the campus including Hostels.
- All the departments are well furnished with separate cubicles / cabins for the faculty with an atmosphere to encourage for regular interaction with the students who come for counselling, guidance and clarifications.
- In addition to the Central Library, each department has an exclusive Library holding number of Titles in their area of specialization / branch.

4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor, gymnasium, yoga centre etc.,) and cultural activities.

Response:

- Sports facilities for students such as Cricket ground, Basketball court, Football ground, Volleyball court, Table Tennis boards, etc., are provided. Especially cricket grounds are with turf wicket to host Inter Collegiate, Inter University, and Andhra Cricket Association (ACA) tournaments.
- Along with the sports we provide Gym facilities to our students to make them strong and brave.
- There are sufficient number of seminar halls, atrium, auditorium, and an open air auditorium for organizing cultural, literary and indoor sports events.
- Yoga classes are conducted frequently with Yoga trainers.
- Each floor is facilitated with water cooler for students and staff members.
- The campus has a separate common room for girls.
- The College has separate Infirmary for male and female with qualified healthcare coordinators and a Doctor including Ambulance service.
- Separate Hostels for boys and girls in the campus.
- Campuses are under the surveillance of CCTV cameras.

Sports / Cultural Facility:

1. Auditorium – 1
2. Atrium – 1
3. Conference Hall – 1
4. Cricket Ground – 2
5. Basketball Courts – 1

- 6.Shuttle Courts – 2
- 7.Football Ground – 1
- 8.Gymnasium – 1
- 9.Volleyball Courts – 2
- 10.Kabaddi Courts – 2
- 11.Throw ball Court – 2

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

Response: 30

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 15

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	View Document

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

Response: 16.4

4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
100	50	100	50	100

File Description	Document
Audited utilization statements	View Document
Details of budget allocation, excluding salary during the last five years	View Document

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS)

Response:

Academic Year	Name of the ILMS Software	Nature of Automation (fully or Partially)	Version
2012-13	E-Cap (Engineering College Automation Package)	Fully	E-cap 2.0
2013-14	E-Cap (Engineering College Automation Package)	Fully	E-cap 2.0
2014-15	E-Cap (Engineering College Automation Package)	Fully	E-cap 2.0
2015-16	E-Cap (Engineering College Automation Package)	Fully	E-cap 2.0
2016-17	E-Cap (Engineering College Automation Package)	Fully	E-cap 2.0

4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resource for library enrichment

Response:

Academic Year	Name of the Book/Manuscript	Name of the Publisher	Name of the Author
2012 – 13	NEWTON'S PRINCIPLES: National Philosophy	Daniel Adoo, 107, Fulton Street, New York	Sir Isaac Newton
	Gita Samiksha	SV University	SV University
	The New Encyclopedia Britannica	Encyclopedia Britannica	
	Mahabharata	Jaico Publishing House	Jaico
	Cuddapah District Samachara Darshini	Visalandra Book House	Visalandra Book House
	It's Always Possible	Sterling Publishers Pvt. Ltd	Kiran Bedekar
	Sangeetha Vidya Darpanamu	Mahalakshmi Book Corporation	Aka Subbaiah
2013 – 14	Cuddapah District Vignana Vihara Darshini	Vijayawani Publishers	Dr. Jannumadi Hanumanth
	Sri Vivekananda Sampurna Grandhavali	Ramakrishna Mattam, Mylapore	J Satyanarayana
	National Building Code of India – 1970	ISA., New Delhi	ISA
	Summaries of Indian Standards for Building Materials	ISA., New Delhi	ISA
	Super Course for the GRE	Goyalsaab	Thomas H. Marlowe
2014 – 15	Science of EVERY THING	National Geographic, Washington DC	David Pogrebin
	Funk and Wagnall's New Encyclopedia	Funk and Wagnall's INC,	Leon L Br

	(15 Volumes)	New York	
	Sri Madandra Vachana Rugveda Samhitha Vol – 1	Sri Rama Publishing	Dr. Dararadhi Ra
	Sri Madandra Vachana Rugveda Samhitha Vol – 2	Sri Rama Publishing	Dr. Dararadhi Ra
	Sri Madandra Vachana Rugveda Samhitha Vol – 3	Sri Rama Publishing	Dr. Dararadhi Ra
2015 – 16	Complete History of the World	Harper Collins Publishers	Richard Ov
	Sri Madandra Vachana Krishna Yajurveda Samhitha Vol – 1	EMESCO, Vijayawada	Dr. Dararadhi Ra
	Sri Madandra Vachana Krishna Yajurveda Samhitha Vol – 2	EMESCO, Vijayawada	Dr. Dararadhi Ra
	Sri Madandra Vachana Sukla Yajurveda Samhitha	EMESCO, Vijayawada	Dr. Dararadhi Ra
2016 – 17	Survey of Indian Industry – 1989	The Hindu	The Hind
	Sri Madandra Vachana Samaveda Samhitha	EMESCO, Vijayawada	Dr. Dararadhi Ra
	Sri Madandra Vachana Adarvaveda Samhitha Vol – 1	EMESCO, Vijayawada	Dr. Dararadhi Ra
	Sri Madandra Vachana Adarvaveda Samhitha Vol – 2	EMESCO, Vijayawada	Dr. Dararadhi Ra

4.2.3 Does the institution have the following

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc.	View Document

4.2.4 Average annual expenditure for purchase of books and journals during the last five years

(INR in lakhs)**Response:** 26.51

4.2.4.1 Annual expenditure for purchase of books and journals year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
41.83	17.87	23.60	36.26	13.00

File Description	Document
Audited statements of accounts	View Document
Details of annual expenditure for purchase of books and journals during the last five years	View Document

4.2.5 Availability of remote access to e-resources of the library

Response: Yes

File Description	Document
Details of remote access to e-resources of the library	View Document

4.2.6 Percentage per day usage of library by teachers and students

Response: 25.52

4.2.6.1 Number of teachers and students using library per day over last one year

Response: 761

File Description	Document
Any additional information	View Document
Details of library usage by teachers and students	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The K.S.R.M. College of Engineering has well equipped computer labs to cater the needs of students and

faculty. Every year the College procures the latest version systems and currently there were a total of 791 computers in different computer labs in the College.

K.S.R.M. College of Engineering has dedicated Internet Leased line connected to all the terminals throughout the Campus. Every year bandwidth is gradually increasing and presently bandwidth is 64 Mbps. Students and faculty are free to access internet. This helps the students to prepare papers on the latest technologies to be presented in various symposiums and seminars. Interested students who are willing to go abroad for further studies can take up tests such as GRE and TOEFL, take up an online mock test and also browse through the websites of various universities and centers of higher education around the world. The access speed enables the Students and Staff to download and upload files at a fast rate.

The college also has Wi-Fi internet facility with Reliance high speed internet connection to allow the students to access the internet no-matter wherever they are. The coverage is not just limited to the classrooms, but also extends to all hostels within the campus premises.

4.3.2 Student - Computer ratio

Response: 3.38

File Description	Document
Student - Computer ratio	View Document

4.3.3 Available bandwidth of internet connection in the Institution (Lease line) <5 MBPS

5 MBPS - 20 MBPS

20 MBPS - 35 MBPS

35 MBPS - 50 MBPS

Response: 750 MBPS

File Description	Document
Details of available bandwidth of internet connection in the Institution	View Document

4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)

Response: Yes

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years

Response: 14.44

4.4.1.1 Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
41.7	74.9	91.05	95.1	65.9

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	View Document
Audited statements of accounts.	View Document

4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.

Response:

The physical facilities including Laboratories, Library, Classrooms and Computers etc. are made available for the students those who are admitted in the college. The classroom boards and furniture facilities are utilized regularly by the students but sometime it is also made available for the other governmental and the non-governmental organizations for conducting the exams like APPSC, EAMCET etc. The maintenance and cleaning of the classrooms and the laboratories are done with the efforts of the non-teaching staff and in major cases the college goes for the maintenance contract to local experts. The college garden is maintained by the gardener appointed by the institute.

The college has adequate number of computers with internet connections and the utility software's distributed in different locales like office, laboratories, library, departments etc. All the stakeholders have equal opportunity to use those facilities as per the rules and the policies of the institution. The central computer laboratory connected in LAN is open for the students as time permits them, the office computers which are also connected through the LAN is consisting of the office software making work easier and systematic are restricted their use only to the appointed office staff. The library is also provided LAN facility for the computers and they are loaded with the library software. The staff can make use of the

computer systems with internet at their seating places. The ICT Smart Class Rooms and the related systems are maintained with AMC of the corresponding service provider. The college website has maintained regularly by Data acquisition & Maintenance committee. The maintenance of UPS and the Generator is regularly done by AMC of the corresponding service Provider.

The Central Library has developed an excellent collection of books, journals and non-book material in science, engineering, technology, humanities, social sciences and management. It maintains separate collection of Reference Books, Bound volumes of journals, Technical Reports, Theses. The library is using OPAC (Online Public Access Catalogue), wherein the users can search the Library Online Catalogue by Author's name, title, subject, and keywords available on the campus LAN. A separate wing is provided for competitive exam books. Our Central Library is so spacious that it can accommodate 300 users at a time. Our Central Library is fully automated and the data base managed by Engineering College Automation Package (E-CAP) software.

The total collection of library stands as follows:

- Current Awareness Service/(SDI) Service
- Inter Library Loan (ILL)
- Reference Service
- News Paper Clipping Service
- Internet Access
- OPAC
- Audio-Video Viewing

Service

- 10 terminals are available for the users to browse the internet through 64 Mbps Broadband connectivity.
- Best Library user Awards for Students /Faculty
- Overnight Issues
- Lending of Periodicals
- User Education Program
- Resource Sharing through Intranet using Digital Library Open Source Software
- Conducting various Programs to students/Faculty /Librarian /Society
- Books / Periodicals E-Recommendation Forms for Students and Faculty
- Fully Automated Library Services
- Barcode AutoLib
- Multimedia Enabled Digital Library
- Access to E-Journals
- NPTEL/Spoken Tutorials /British Council Video Lectures and web Content
- IEEE Online
- E-course Material of Faculty
- Scanning /Writing /Printouts of Documents
- E-News Clippings
- Paper clipping services
- Conducting books exhibition
- Job opportunities display
- Project Reports

- DELNET (Inter Library Loan)

Sports & Games

The institute recognizes the importance of sportsman spirit and team effort for students. This can be learned in congenial environment through sports and games. For this the Campus has adequate sports facilities and state-of-the-art infrastructure. A number of inter and intra college sports events are organized throughout the year to enable the students to develop a spirit of healthy competition and team effort. The Campus has adequate sports infrastructure e.g. Cricket, Basketball, Volleyball, Football, Badminton, Shuttle, Table Tennis, Chess and several other indoor and outdoor games. Along with the sports we provide Gym facilities to our students to make them strong and brave.

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

Response: 81.13

5.1.1.1 Number of students benefited by scholarships and freeships provided by the Government year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2228	2309	2237	2230	2266

File Description

Document

upload self attested letter with the list of students sanctioned scholarships

[View Document](#)

Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

[View Document](#)

5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

Response: 5.91

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
182	150	170	170	150

File Description

Document

Number of students benefited by scholarships and freeships besides government schemes in last 5 years

[View Document](#)

5.1.3 Number of capability enhancement and development schemes –

- 1.Guidance for competitive examinations
- 2.Career Counselling
- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and Meditation
- 8.Personal Counselling

7 or more of the above

Any 6 of the above

Any 5 of the above

Any 4 of the above

Response: 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	View Document

5.1.4 Average percentage of students benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

Response: 100

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2704	2870	2999	2822	2541

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	View Document

5.1.5 Average percentage of students benefitted by Vocational Education and Training (VET) during the last five years

Response: 0.93**5.1.5.1** Number of students attending VET year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
21	20	23	27	37

File Description	Document
Details of of students benefited by Vocational Education and Training (VET)	View Document

5.1.6 The institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases**Response:** Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document

5.2 Student Progression**5.2.1** Average percentage of placement of outgoing students during the last five years**Response:** 36.83**5.2.1.1** Number of outgoing students placed year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
294	340	211	196	196

File Description	Document
Details of student placement during the last five years	View Document

5.2.2 Percentage of student progression to higher education (previous graduating batch)**Response:** 21.59**5.2.2.1 Number of outgoing students progressing to higher education**

Response: 152

File Description	Document
Details of student progression to higher education	View Document

5.2.3 Average percentage of students qualifying in state/ national/ international level examinations during the last five years (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations)**Response:** 16.25**5.2.3.1 Number of students qualifying in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years**

2016-17	2015-16	2014-15	2013-14	2012-13
37	31	27	52	30

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: NET/SLET/GATE/GMAT/CAT, GRE/TOFEL/Civil Services/State government examinations) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
240	240	200	220	190

File Description	Document
Number of students qualifying in state/ national/ international level examinations during the last five years	View Document

5.3 Student Participation and Activities**5.3.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) during the last five**

years

Response: 0

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one) year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
0	0	0	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	View Document

5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

Response:

The Class Representative (CR) holds an important position in the structure of student council. Each class representative elected by students / nominated by the teacher from the same class. He / She represents the interests and feelings of the class in academic matters to the class teacher for decision making.

The CRs take the leading role in all the day to day activities in the class. Any matter related to academics and administrations are referred by the CRs to appropriate authority as and when it becomes necessary. The CRs are also the members of the training and placement cell of the institute.

The functions of Class Representative:

1. Attends all student class representative meetings.
2. Brings the ideas, interests, and concerns of his/her classmates to the meetings.
3. Reports back to the class regarding what was decided at a meeting
4. Serves on committees.
5. Encourages other students to get involved in student activities.
6. Provides volunteer service during select events.

The institute has an active students club, which has its own student executive body which functions or operates under the guidance of faculty members as faculty advisor and club mentor. The student club is responsible for conducting cultural activities, co-curricular activities, extra-curricular activities, technical quizzes, project exhibitions, technical student seminars, debates and GATE mock tests.

The student coordinator and assistant student coordinator are members of the disciplinary committee and

the core committee of the Institution. Thus, they, on behalf of the whole student community take part in the decision making.

5.3.3 Average number of sports and cultural activities / competitions organised at the institution level per year

Response: 2.4

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	3	2	2	2

File Description	Document
Number of sports and cultural activities / competitions organised per year	View Document

5.4 Alumni Engagement

5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years

Response:

- Alumni of 1986-1990 batch donated Rs 50000/- in the year 2013 for the purpose of developing the laboratories.
- Alumni of 1999-2003 batch contributed Rs 100000/- in the year 2014 for the purpose of developing the library and placements for students.
- Alumni of 1990-1994 batch contributed Rs 180000/- in the year 2015 for the purpose of developing the infrastructure facilities.
- Alumni of KSRMCE (1985-89 batch) have formed an association “KSRMCE Friends Association” few years ago with an intent to give back to society. Some of the activities of the association

1. Financially helped few poor students.
2. Built a kitchen and dining facilities for tribal girls school at Araku, Vizag.
3. Donated a room for mentally challenged school “Anurag foundation” at

Hyderabad, etc.,

4. A shelter for attendants of patients at RIMS, Kadapa.

They also strongly desire to serve our college which helped them to grow in their personality and careers and decided to constitute cash awards for meritorious students identified by the college on every Year as scholarships of Rs 5000/-.

- Alumni of 1988-1992 batch donated Rs 400000/- in the year 2017 for the purpose of developing the laboratories
- Besides financial contributions, the Alumni as and when they visit the college, interact with the students and also deliver guest lectures.
- They also provide guidelines to the students for better career and give the information about the latest industry requirements.
- Alumni provide help in placements.

5.4.2 Alumni contribution during the last five years (Amount in rupees)

<2 Lakhs

2 Lakhs - 5 Lakhs

5 Lakhs - 10 Lakhs

10Lakhs - 15 Lakhs

Response: 5 Lakhs - 10 Lakhs

File Description	Document
Alumni association audited statements	View Document

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years**Response:** 6

5.4.3.1 Number of Alumni Association /Chapters meetings held year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
1	1	2	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years.	View Document
Report of the event	View Document

NAAC

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

Response:

VISION

To be an internationally renowned centre for excellence in technical education with value-driven quality standards and to contribute our might in realizing India's dream of becoming economic super power.

MISSION

To impart quality education in engineering and technology at undergraduate and post-graduate levels, aiming to achieve the status of best engineering college, thereby cherish the dreams of the founder chairman and the aspirations of the student's community in the region to become world class professionals and technocrats.

Quality improvement strategies adopted by the institution to meet Vision and Mission are

Curriculum Development

- Required inputs will be taken from various stake holders like companies that visit for placements, experts that visit the college on various occasions, alumni, etc. these inputs are discussed at length in BOS and finalized appropriately.
- A course end survey is conducted at the end of every course and necessary measures are taken. The results of mid exams are mapped with Course Outcomes and the achievement levels are indexed.
- Planned cycles of curriculum review.
- Linking faculty development programs to curriculum design delivery.
- Creating assessment plan and procedures to determine curriculum effectiveness.
- A frame work for optimising local, state and nation standards in curriculum.
- Monitoring curriculum delivery.

Teaching and Learning

- Lesson plan will be prepared in every course and instruction will be delivered adhering to the academic plan. Lesson diary is recorded in the class student attendance register. Instead of listening to the teacher exclusively, students and teachers interact equally.
- Empowering innovation, experimentation and creativity by teachers to effectively utilise new methods of ICTs.
- Maintaining a culture of professionalism, accountability and responsibility amongst teachers.
- Workshops to share good practices involving experimentation, collaboration among faculty and students.
- Designing and conducting bridge courses to help students understand and assimilate institute teaching learning practices.

Research and Development

- Periodical FDPs are organized to encourage in research work.
- Faculty members are encouraged and supported to publish papers and also present papers in conferences and journals with high impact factor through incentives like travel reimbursement, funding and awards.
- Modernising laboratories with equipments and tools needed for research and product development.
- Establishing linkage with institutes of repute and research labs.
- Reorienting and training faculty members in current research topics.
- Involving students in minor and major research projects.
- Establishing inter disciplinary research groups that work on product development.

Library, ICT and physical infrastructure / instrumentation

- The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and e-journals.
- Information and Communication Technology has been made an integral part of teaching learning process by converting some of the conventional class rooms into e-class rooms. These rooms have been equipped with LCD projectors, digital boards and audio systems.
- All the departments and divisions are continuously appended with additional physical infrastructure regularly when ever required and also based on the inputs taken from the stakeholders through feedback. Faculty chambers are provided computers with internet facility.
- Providing digital infrastructure for teaching, learning and collaboration.
- Providing physical infrastructure in laboratories with hardware and software tools for teaching, learning and research.
- Providing access to print and digital literature through library services.
- Providing congenial reading and work environment in library.
- Providing training to library staff.

Industry Interaction / Collaboration

With constant encouragement by the management, the departments constantly strive to enter into MoUs with the industries to provide summer internships, main projects for students. Industry experts are invited to give seminars on the advanced technology. Interaction with industry helps to provide industrial visits, arranging training programmes to students. Interaction with industry is providing opportunities for consultancy works and research.

6.1.2 The institution practices decentralization and participative management

Response:**The institution practices decentralization and participative management**

The Principal of the institution collaborate with different sections/departments and personnel to improve the quality of its educational provisions using the following procedure:

The Institute is following Academic Calendar in true spirit and it is being finalized in consultation with principal, Head of Departments, Controller of Examinations, and senior faculty and physical director covering all academic activities e.g. commencement of classes, internal examinations, various committee meetings, end semester examinations, technical festival and sport activities etc. This printed academic calendar is circulated to all teaching staff, nonteaching staff and students.

The management, Principal and Head of the departments meet frequently to review plans and update academic and administrative matters. Performance of the departments is discussed in meetings of Head of Departments. The information discussed and decisions of management are communicated to the staff of the institution through departmental meetings by head of the respective departments. Principal also communicate this information to the staff using circulars.

The management get the information from Academics Branch, Examination Branch, Administration Branch, Accounts & Audit Branch, head of the departments, teaching staff and non teaching staff to review the activities of the institution.

Management encourages and supports the staff in the decision-making process for improvement of the effectiveness and efficiency of the institute. Principal of the College is the member of the governing body which is highest decision making body. The Faculty is appointed as members of various committees for the college.

6.2 Strategy Development and Deployment**6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution****Response:**

Perspective / Strategic Plan and deployment documents are available in the institution

Yes, the governing body specifies the perspective plans to the administrative authorities to develop the institution in time to time. Based on this, administrative authorities developed Entrepreneur development cell is being promoted the institutional mechanism to create entrepreneur culture in science and technology of academic institutions and to foster the techno entrepreneurship for generation of wealth and employment by science and technology students.

Internal Quality Assurance Cell develops the system conscious, consistent and catalytic action to improve the academic and administrative performance of the institution committees for achieving the academic excellence in the field of technical education and personality development. Various committees are formed and given their specified targets in respective fields. The strategic plan is proposed by the College

Academic Council (CAC) in the fields of course programs, research projects, infrastructural development, Human relations, placements and alumni relations.

Research and Development cell promotes continuously on research work in all branches and encourage the students on publishing of papers in reputed conferences and journals. They are encouraging the staff and students to conduct conferences and workshop to create the awareness and opportunities in respective fields.

College Academic council advised to improve the existing facilities in laboratories, in view of this CADD lab of Civil Engg dept was purchased AUTOCADD and STRAD PRO softwares. With usage of these softwares, faculty members in civil engineering department are able to prepare architectural drawings, analysis and design of all proposed buildings. They successfully completed four new projects and one renovated project in the organization.

6.2.2 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

Response:

Organizational structure of the institution including governing body ,administrative setup and functions of various bodies, service rules, recruitment, promotional policies as well as grievance redressed mechanism

Governing Body

S.No.	Name and Address of the Member	Designation	Area of Representation
1.	Sri S. Sankar Reddy, Chairman, K.S.R.M. College of Engineering, Kadapa.	Chairperson	Trust / Management
2.	Sri K. Sivananda Reddy, Correspondent, K.S.R.M. College of Engineering, Kadapa.	Member	Trust / Management
3.	Sri K. Madanmohan Reddy, Vice-Chairman, K.S.R.M. College of Engineering, Kadapa.	Member	Trust / Management
4.	Sri K. Raja Mohan Reddy, 1/398-Court Road, Kadapa.	Member	Trust / Management
5.	Prof. A. Mohan,	Member	Trust / Management

	Director, Kandula Group of Institutions, Kadapa – 516 003.			
6.	Prof. P.V.S. Murali Krishna, Prof. & Head of ECE Department.	Member	Teacher of the College	
7.	Prof. K. Rajagopal, Prof. & Head of Mech. Engg. Dept.	Member	Teacher of the College	
8.	Sri M. Rami Reddy, Chairman, Sreerama Educational Society, Tiruchanoor Road, Tirupati – 517 503.	Member	Educationist / Industrialist	
9.	Prof. N.V. Desh Pande, Director National Institute of Technology, SILCHAR – Assam State.	Member	UGC Nominee	
10.	1-MEMBER-To be nominated by the State Government	Member	State Govt., Nominee	
11.	Prof. S.V. Satyanarayana, Director, Research & Development, JNT University Anantapur, Ananthapuramu.	Member	University Nominee	
12.	Dr. V.S.S. Murthy, Principal, K.S.R.M. College of Engineering, Kadapa – 516 003.	Member	Principal of the College	

Functions of various Bodies

Members of the Body	Their memberships	Functions and Responsibilities	Relation of the members of such bodies with principal owner	Frequent attendan

<p>Prof. A.Mohan Director, Kandula Group of Institutions, Kadapa</p>	<p>Chairman, Academic senate and administration</p>	<p>He is the livewire for effective running of all academic programmes in the institution. Driving force behind the senate, academic and administrative members. Planning, Co-ordination, compilation and implementation of all academic and administrative matters in the institution. Recruitment of staff and other functions of administration are also looked after.</p>	<p>Relationship expertise</p>	<p>in Once in i.e., four probably January, October meeting current member exceptio meeting</p>
<p>Prof. V.S.S. Murthy, Principal, KSRMCE, Kadapa</p>	<p>Secretary, Academic senate and administration</p>	<p>His primary responsibilities are planning and coordinating of all academic and administration matters in the institution. Conducting academic meeting, preparation of academic schedules, fixing of calendar for Sessional examinations. Implementation of all academic and Sessional calendars looking after, student discipline, staff discipline and other administrative matters.</p>	<p>Employee – Employer-do-relationship</p>	
<p>Prof. P.V.S. Murali Krishna HOD, Dept.of ECE, KSRMCE, Kadapa</p>	<p>Member, Academic Senate and administration</p>	<p>A member in academic senate and administration of KSRMCE will have powers in extending his support either favourably or unfavourably towards the proposals placed by the chairman and secretary in the academic senate. He will also cooperate with the chairman and secretary in all administrative and academic matters. He will also extends cooperation to the chairman, BOS in S.V. University in all academic matters.</p>	<p>Employee –Employer-do-relationship</p>	
<p>Prof. M. Sreenivasulu HOD, Dept. of CSE, KSRMCE, Kadapa</p>	<p>Member, Academic Senate and administration</p>	<p>A member in academic senate and administration of KSRMCE will have powers in extending his support either favourably or unfavourably towards the proposals placed by the chairman and secretary in the academic senate. He will also cooperate with the chairman and secretary in all administrative and academic matters. He will also extends cooperation to the chairman, BOS in S.V. University</p>	<p>Employee -Employer-do-relationship</p>	

		in all academic matters.		
Smt. C.N. Arpitha HOD, Dept. of EEE, KSRMCE, Kadapa	Member, Academic Senate and administration	A member in academic senate and administration of KSRMCE will have powers in extending her support either favourably or unfavourably towards the proposals placed by the chairman and secretary in the academic senate. She will also cooperate with the chairman and secretary in all administrative and academic matters. She will also extends cooperation to the chairman, BOS in S.V. University in all academic matters.	Employee -Employer-do-relationship	
Prof. K. Raja Gopal Dept. ME KSRMCE, Kadapa	Member, Academic Senate and administration	A member in academic senate and administration of KSRMCE will have powers in extending his support either favourably or unfavourably towards the proposals placed by the chairman and secretary in the academic senate. He will also cooperate with the chairman and secretary in all administrative and academic matters. He will also extends cooperation to the chairman, BOS in S.V. University in all academic matters.	Employee -Employer-do-relationship	

Recruitment Procedure

There are three categories of faculty/staff in the technical institution.

- Teaching Staff.
- Technical supporting staff
- Non-Teaching staff

Whenever the institution requires to recruit the faculty position, the proper advertisement would be given in leading news papers. In the advertisement, it consists of position of the faculty and number of vacancies along with required qualification and experience.

All the applications received in response to this advertisement would be properly scrutinized and a list of eligible candidates would be prepared by the screening committee. Further, the call letters for all these eligible candidates would be dispatched by scheduling a convenient date and time for interviewing.

SELECTION COMMITTEE

College has constituted a proper selection committee comprising the following members

- The Chairman / Secretary
- University Nominees
- AICTE's Nominees
- Government nominees; and
- Two Independent subject experts.

The Selection Committee would examine the caliber of the candidate and selects the suitable candidates and enter the merit list in minutes book.

Service rules

Follow the selection procedure as per the AICTE Norms

- As per the constitution, two years of probationary period after the selection procedure.
- Pay, allowances, increments and promotions are paid as per the norms and time to time shall be issued.
- The rules related to the leaves, maternity rule, faculty development programs, grant of lien as per the AICTE.
- Allowances are provided for paper presentations in conferences and seminars.
- Members of the faculty who are perusing their Ph.D part time are also encouraged by the administrative authorities to attend the summer training programs organized by NIT and IITS.
- For all employees in the college Service Registers are maintained.

Promotional policies

Faculty members who are ratified by the University and in the position of Assistant Professors / Associate Professors can be promoted internally as per the AICTE guidelines.

Grievance redressal mechanism

The college has constituted Grievance Redressal Committee. it has members drawn from teaching staff. As there is harmony among the teaching as well as non-teaching staff the cell worked smoothly. Following members are appointed from teaching faculty and look after the grievance from the students and staff.

Members	Designation & Dept.	Contact No.
Prof. P.V.S. Murali Krishna –	HoD/ECE	9160993077

Dr. M. Sreenivasulu Prof. & HoD/CSE 9160993076

Dr. B. Rama Bhupal Reddy HoD/Mathematics 9490032642

Responsibilities:

- To attend the Grievances of the students in respect of academic activities, ragging etc.
- To attend the Grievances of Women students.
- The Grievance committee shall entertain and hear the grievances or complaints of teachers and other employees working in the college.
- The grievance committee shall entertain the complaints or grievances only from individuals and no collective complaints shall be entertained.
- The complaint once settled shall not be entertained again, unless the grievance committee decides to reopen the case.

6.2.3 Implementation of e-governance in areas of operation

- 1.Planning and Development
- 2.Administration
- 3.Finance and Accounts
- 4.Student Admission and Support
- 5.Examination

All 5 of the above

Any 4 of the above

Any 3 of the above

Any 2 of the above

Response: Any 4 of the above

File Description	Document
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	View Document

6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions

Response:

Effectiveness of various bodies/cells/committees is evident through minutes of the meetings and implementation of their responsibilities

The staff members noted below are assigned duties as Co-ordinator/ Convenor/ Member for the following committees for the academic year 2017-18. They are requested to extend their full co-operation for successful completion of the academic year and quality improvement of the college in all respects.

1. DISCIPLINARY COMMITTEE

Members	Designation & Dept.	Contact No.
Dr. V. Giridhar	Prof. in CE	9849499769
Sri C. Harsha Vardhan Reddy	Asst. Prof. in EEE	8465050222
Sri T.V. Chalapathi	Asst. Prof. in ECE	9533520247
Sri S. Vijaya Kumar	Asst. Prof. in MED	9441287880
Smt. S. Riyaz Banu	Asst. Prof. in CSE	9703773414
Sri B. Veera Sankar	Asst. Prof. in Mathematics	9966072081
Sri K. Vijaya Bhaskar Reddy	Asst. Prof. in Humanities	9440352335

Responsibilities:

- To advise the Management on the action to be taken on the disciplinary cases initiated.
- To attend to the enquiries entrusted to them by the Director/Principal and give their findings or enquiry report.
- To give suggestions for maintenance of discipline.
- To maintain discipline in the campus by going round the premises whenever they are free from class work.
- To monitor the Students – wearing of ID cards, tucked in & come in time – right from 9.00 am.

2. ANTI RAGGING COMMITTEE

Members	Designation & Dept.	Contact No.
Sri K. Sudershan Kumar, Co- Ordinator	Asst. Prof. in ME	9959883552
Sri G.C. Venkata Subbaiah	Asst. Prof. in Physics	9502217224
Miss M. Mary Jasmine	Asst. Prof. in Chemistry	9494835212
Sri P. Damodar	Asst. Prof. in CE	9652797027
Sri T. Narayana	Physical Director	9000452805

Sri K.Md. Jabiullah	Asst. Prof. in ME	9885633142
Sri S. Mahaboob Khan	Asst. Prof. in ME	9642531366
Smt. K. Divya Lakshmi	Asst. Prof. in ECE	9494947993

Responsibilities:

- Regularly monitor vulnerable places of ragging like Canteen, Corridors, Hostels, Bus stops inside college, Play grounds.
- To create awareness regarding punishments that may be given.
- Display of anti ragging posters at prominent places.

3. TRANSPORT COMMITTEE

Members	Designation	Contact No.
Sri R. Ramakrishna Reddy	Asso.Prof. in MED	9490633226
Sri V.A Dheeraj	Asst. Prof. in MED	9885930934

Responsibilities

- Maintenance of the Buses including repairs to be carried out.
- Providing of buses to the students and staff for onward and downward journeys as per the time schedule.
- Watching the Attendance of Drivers and Conductors and regulation of their claims.
- Issue of Bus passes to students/staff.

4. NEWS LETTER / MAGAZINE/ BROCHURE / CALENDAR COMMITTEE

Members	Designation & Dept.	Contact No.
Sri K. Ramesh Rao,	Co-ordinator Asst. Prof. in Humns.	9440531583
Sri K. Khasimpeera	Asst. Prof. in Humns.	9966367517
Miss S. Sandhya Rani	Asst. Prof. in CE	8297126091
Sri N. Radha Krishna	Asst. Prof. in ECE	9030731861
Smt. K.B. Pullamma	Asst. Prof. in CSE	9985886608

Responsibilities

- Getting information worth to be published in the Newsletter and also about the facilities available in the college.
- Preparation of brochure with latest and updated information.

- Preparation of google calendar incorporating all academic activities of all U.G. Programmes.
- Collection of information on all activities of the institution internal and external.
- Presenting the information in well-organized college brochure.
- Collection of articles in English and Telugu from Students & Staff.
- Preparation of college magazine.
- Published information should reach the targeted audience quite often as per college schedule.

5. CULTURAL COMMITTEE

Members	Designation & Dept.	Contact No.
Sri G. Sreedhar	Asst.Prof. in Mathematics	9441046435
Smt. K. Niveditha	Asst. Prof. in CE	9885391590
Sri J. Balaji	Asst. Prof. in EEE	9494080894
Sri P. Krishnateja Yadav	Asst. Prof. in ECE	9642187611
Sri Y. Nagarjuna Reddy	Asst. Prof. in ME	7702454513
Sri N. Suresh Babu	Asst. Prof. in CSE	8008783142

Responsibilities

- To organize cultural gatherings and cultural festivals.
- Collection of information on all the cultural activities.
- Documentation of all the cultural activities for the last 5 years.
- Training the students to become masters in different fields of cultural activities.
- Selecting the talented students so as to send them to different competitions conducted by other colleges.
- Procurement of one complete set of musical instruments and give training.

6. SPORTS COMMITTEE

Members	Designation & Dept.	Contact No.
Sri T. Narayana	Physical Director	9000452805
Sri Shaik Nowshad	Asst. Prof. in CE	8328527581
Sri N. Siddhik	Asst. Prof. in EEE	9642073661
Sri MD. Mahaboob Pasha	Asst. Prof. in ECE	9866802432
Sri P. Sivaseshu	Asst. Prof. in ME	9959964443
Miss A. Haritha	Asst. Prof. in CSE	9652010013

Responsibilities

- Development of facilities for games and sports in the college and hostels.
- Construction of modernized gymnasium facilities/indoor stadium.
- Continuous maintenance of all play fields.
- Documentation of all events of sports & games for the five years.
- Arrange regular coaching to the students to find out best talented players and to motivate the students to take active part in sports and games.

7. TIME TABLE COMMITTEE

Members	Designation & Dept.	Contact No.
Sri P. Sreenivas	Asst. Prof. in MED	9849056800
Sri N. Prathap Kumar	Asst. Prof. in CED	8801328775
Smt. Saleha Tabassum	Asst.. Prof. in EEE	9949541921
Sri A. Valli Basha	Asst. Prof. in ECE	9490576710
Sri. C. Nagaraja	Asst. Prof. in MED	9885402479
Sri Y. Prasad Reddy	Asst. Prof. in CSE	9985990596
Smt. G. Radha	Asst. Prof. in Mathematics	9966815484

Responsibilities

- To draw up a time table for all the classes indicating the room nos. allotted.
- To assign the teachers to the tutorial hours.

8. ALUMNI COUNCIL

Members	Designation & Dept.	Contact No.
Sri M. Ramamurthy Naik, Co-coordinator	Asst. Prof. in ECE	8498859090
Smt. B. Veera Mounika	Asst. Prof. in CE	9642302325
Sri M. Lakshmi Narayana	Asst. Prof. in EEE	9494137001
Sri B.Subbarayudu	Asst. Prof. in ME	9703008931
Smt. V. Sudha	Asst. Prof. in CSE	9985239981

Responsibilities - Alumni

- To initiate action for opening Alumni Chapters at Hyderabad, Chennai and Bangalore.
- To arrange annual meeting of Alumni regularly.
- To initiate action for preparation of directory of alumni and updated every year.
- To convey meeting of parents.
- To get feedback of parents, alumni and the employers of the companies.
- To make the alumni enroll as members in the alumni website.
- To send important information of the college to alumni members through whatsapp/facebook/mail.
- Track the alumni who can help us getting placements.

9. CENTRAL LIBRARY COMMITTEE

Members	Designation & Dept.	Contact No.
Smt. B. Gouri, Co-ordinator	Asst. Prof. in CSE	7674915181
Miss K. Ravali	Asst. Prof. in CE	9959464761
Smt. C.G. Revathi	Asst. Prof. in EEE	9177182622
Sri N. Nagendra Prasad	Asst. Prof. in ECE	9985682147
Sri D. Merwin Rajesh	Asst. Prof. in ME	8897920252
Sri K. Eswara Reddy	Asst.Prof.in Humanities	9491273404

Responsibilities

- Procurement of additional textbooks, reference books, and Journals (including e-journals) etc., English literature, books for all competitive examinations and storybooks.
- Seating arrangement and maintenance of library.
- Monitoring day to day work of library including working hours.
- Information to be procured for developing existing Digital Library.
- Motivate the faculty/students to visit library regularly.

10. MAINTENANCE COMMITTEE

Members	Designation & Dept.	Contact No.
Sri V. Venkateswara Prasad	Asst. Prof. in CED	9949976305
Sri A. Ramaswamy Reddy	Asst. Prof. in EEE	9491547620
Sri R. Mahesh	Asst Prof. in ME	8142303236

Responsibilities

- Committee should take care of Electrical/Civil/Mechanical maintenance of the college and hostels.
- To procure and to install electrical equipment. Ensure maintenance of electrical lines & systems.

- To provide lighting facility in classrooms & Laboratories of SJ Block and also in Civil Block.
- Regular maintenance of fans, tube lights, switch boards etc., maintenance of generator. Procurement of fire extinguishes.
- Installation of modern intercom facilities in adequate numbers for all the departments.
- To maintain Drawing boards/desks/wooden furniture/tables.
- Maintenance of water pipelines, water tanks, construction activities, RO-Plant etc.
- Maintenance of solar plant.

11. TRAINING & PLACEMENT COMMITTEE (Career/Personality Development)

Members	Designation & Dept.	Contact No.
Sri G.M. Siddeeq	Training & Placement Officer	9666679905
Sri P. Rajendra Kumar	Asst. Prof. in CE	9704132772
Sri G. Hussain Basha	Asst. Prof. in EEE	9985246180
Sri Y. Venkateswara Raju	Asst. Prof. in ECE	9177852972
Sri M. Mohan Reddy	Asst. Prof. in ME	9948625040
Sri N.J. Pramod Dhinakar	Asst. Prof. in CSE	9989466486
Sri A. Ananda Rao	Asst. Prof. in Humanities	9491135177
Sri V. Rama Chandra Reddy	Asst. Prof. in Mathematics	9440169375

Responsibilities: Placement

- To bring various software and core companies to the campus for recruitment.
- To train the students in facing interviews and to suggest various software courses to the students of different engineering branches.
- To arrange companies for internship/project works for the students.
- Sending of letters to various companies for internship and project works.
- Conducting of workshops on latest technologies.
- Gathering information regarding campus drives.
- Guest lecturers to be arranged by the industrial experts/alumni.

Responsibilities – Career/Personality Development

- To procure sufficient no. of books to the library on personality development.
- To educate the students on the personality development by arranging Guest lectures by eminent people.
- To create awareness and to motivate the students to take the competitive examinations such as TOFEL, GRE, G-MAT, CAT, IELTS, IES, IAS, Group-I services and other competitive examinations and to secure a seat in PG Courses. To suggest fine text books to the library for all the above exams.

- To make them aware of the details of institutions, which offer coaching to the above said examinations.
- To guide the students in the process of filling the applications, selecting the right college and the right course of their liking.
- All notifications concerning the above programmed appearing in the Newspapers, News Bulletins etc., must be displayed properly in a separate Notice Board, to enable the students to make use of the opportunities.
- Development of English language laboratory and conducting regular classes.

12. Data acquisition & Maintenance Committee

Members	Designation & Dept.	Contact No.
Sri B. Peda Narayana – Co-ordinator	Asst. Prof. in CSE	9494449771
Sri G. Venkateswarlu	Asst. Prof. in CE	9949250862
Sri M.Purushotham Reddy	Asst. Prof. in CSE	9703008423
Sri M. Prabhakar	Asst. Prof. in ECE	9493339222
Sri J. Suresh Babu	Asst. Prof. in ME	9247181832
Smt. B. Vahida Rahiman Bhanu	Asst. Prof. in Mathematics	9642317471

Responsibilities - Website

- To acquire all the students data and place it in the website. (students and parents must have access).
- Internet connectivity for the whole campus.
- Development of new departmental computer centers with Internet facility.
- To design a new website and maintenance of the same.
- To take steps for development of Wi-Fi campus.
- To update the information in the website at regular and periodical intervals.

Responsibilities – Automation

- Automation of admissions, Scholarships etc.,
- Automation of Finance and Accounts.
- Automation of Salary Bills.
- Automation for issue of various certificates.
- Automation of Marks and Results analysis.
- To train the office staff regarding issue of necessary certificates.
- To train the office staff in the usage of computers, M.S. Office.

13. Affiliation and Accreditation (NBA / COMPLIANCE / AFFILIATION /AICTE PROPOSALS/NIRF)

Members	Designation & Dept.	Contact No.
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Dr. D. Ravikanth	Prof. in ME	9440506828
Sri P. Suresh Praveen Kumar	Asst.Prof. in CE	9052236527
Sri K. Kalyan Kumar	Asst. Prof. in EEE	9492070084
Sri S. Zahiruddin	Asst. Prof. in ECE	9985226064
Sri P.K. Chaitanyakanth Reddy	Asst. Prof. in ME	8096296664
Sri G. Nagendra Babu	Asst. Prof. in CSE	9885011772

Responsibilities

- To prepare and submit the application for NBA/NAAC/NIRF
- To monitor the production of records as required in Part-I/Part-II by the respective departments and to ensure that they are kept ready well in advance.
- To ensure submission of compliance report to AICTE for UG & PG courses.
- To ensure submission of affiliation reports to the university for UG/PG courses.

14. COMMUNITY DEVELOPMENT (NSS + Swatch Bharath)

Members	Designation & Dept.	Contact No.
Sri P. Durga Prasad	Asst. Prof. in EEE	8790087632
Sri M.C. Sanjeevaiah	Asst. Prof. in Humns.	9966828805
Dr. M. Swetha	Asst.Prof.in Chemistry	9441512561

Responsibilities

- To train the people in the near by areas to get acquaintance in the fields of electricity, house wiring, carpentry, fitting and computers etc.
- To conduct Medical camps under the banner of NSS.
- To conduct clean and green programs on the campus on some important dates.

15. PUBLIC RELATIONS COMMITTEE

Members	Designation & Dept.	Contact No.
Sri K. Pavan Kumar	Asst. Prof. in ECE	9966625764
Sri M. Ravisankar Reddy	HoD/Physics	9440024590
Smt. M.V. Rathnamma	Asst. Prof. in CSE	9393882007

Responsibilities

- To invite the press people for all-important functions in the college.
- To maintain rapport with the press.
- To process the advertisements or any other news items to the press.
- To publish in the news paper of any worthy information like cultural activities, Sports Events, Workshops, Conferences, Seminars, Orientation Programmes etc.

16. Professional Students Chapter

Members	Designation & Dept.	Contact No.
Sri V. Ramesh Babu	Asst. Prof. in CED	9441195639
Smt. Saleha Tabassum	Asst. Prof. in EEE	9949541921
Sri J. Srinivasa Reddy	Asst. Prof. in ECE	9177292304
Sri TVVSN. Murthy	Asso. Prof. in ME	9247414333
Smt. B. Manorama Devi	Asst. Prof. in CSE	9985725101

Responsibilities

- Enrollment of faculty & students as members (To start IEEE students chapter and organize lectures/workshop on behalf).
- Arranging a Lecture with Guest Faculty/ Industry Personnel/ Local faculty returning from training programme, Seminar etc.
- Conducting a training program for a group of teachers by local/ guest experts e.g., computer awareness, teaching methods, project report writing, use of teaching aids.
- Arranging visit to work sites, industries, exhibitions, other institutions RXD organizations.
- Conducting Quiz programmes, competitions to the students.
- Organizing programmes, using course4 modules available with ISTE.
- Arranging a continuing education programmes for working professional organized through institute.
- Any other special programmes under ISTE chapter.

17. RESEARCH & DEVELOPMENT CELL (+ MoU)

Members	Designation & Dept.	Contact No.
Dr. M. Venkata Narayana	Professor in ECE	9440425221
Dr. T. Kiran Kumar	Prof. in CE	9441259009
Dr. K. Amaresh	Prof. in EEE	9849050464
Sri R.V. Sreehari	Asso. Prof. in ECE	9440110956
Sri B. Srihari	Asst. Prof. in MED	9493351896

Dr. V. Lokeswara Reddy

Prof. in CSE

9440702278

Responsibilities

- Identifying the requirements of the corporate world by interacting with them.
- Identifying and interacting with the funding agencies for funding the Research and Development activities.
- Conducting workshops and conference to inculcate the innovative ideas among the student community.
- Motivating the students to do research on innovative projects.
- Motivating the staff to do research work in their fields.

Responsibilities – MoU

- To list various industries and get their consent for M.O.U's and members of advisory committee.
- To conduct a meeting of industrialists for discussions on M.O.U's and signing of
- To make a visit to various industries with a view to get student interns, project works, funding projects, placements.
- To explore various funding agencies like DST, AICTE, MHRD etc. and submit proposals on time.

18. ENTREPRENEUR DEVELOPMENT CELL

Members	Designation & Dept.	Contact No.
Sri A. Harikrishna	Asst. Prof. in ME	9052731415
Sri S. Mallikarjuna Reddy	Asst. Prof. in ME	9705892302

Responsibilities

- To conduct the workshops with the aid of faculty from Industry/MSME/Banks etc.
- To motivate the students to become good entre-preneurs.
- To submit proposals to DST-ED Cell and get enough training funds every year.

19. INTERNAL QUALITY ASSURANCE CELL (IQAC)

Members	Designation & Dept.	Contact No.
Dr. G. Hemalatha	Prof. in ECE	9440004404
Dr. G. Sreenivasa Reddy	Professor in CE	9849927981
Sri. M. Bhaskar Reddy	Asso.Prof. in EEE	9160995555

Responsibilities :

- To motivate faculty to submit research proposals with UGC or any other.
- Create awareness among the faculty about the various funding agencies.

- To motivate the faculty to publish papers in Conferences/Journals.
- To motivate the faculty in respect of Ph.D.
- To get the feedback from the students.
- To improve extra curriculum activities.
- To give suggestions for improving quality in library.

20. GRIEVANCES REDRESSAL COMMITTEE

Members	Designation & Dept.	Contact No.
Prof. P.V.S. Murali Krishna –	HoD/ECE	9160993077
Dr. M. Sreenivasulu	Prof. & HoD/CSE	9160993076
Dr. B. Rama Bhupal Reddy	HoD/Mathematics	9490032642

Responsibilities:

- To attend the Grievances of the students in respect of academic activities, ragging etc.
- To attend the Grievances of Women students.

21. Internal Complaints Committee For Prevention of Sexual Harassment of

Women:

Members	Designation & Dept.	Contact No.
Smt. C.N. Arpitha	HoD/EEE	8985282378
Smt. S.Sharmila Banu	Asst. Prof. in ECE	9703312080
Miss M. Ramya	Asst. Prof. in ME	7036646979
Smt. B. Swetha	Asst. Prof. in CSE	9492561783
Dr. I. Sreevani	HoD/Chemistry	9581561899

Responsibilities :

1. The Internal Complaint Committee shall:-

- Provide assistance if an employee or a student chooses to file a complaint with the police.
- Provide mechanisms of dispute redressal and dialogue to anticipate and address issues through just and fair conciliation without undermining complainant's right, and minimize the need for purely punitive approaches that lead to further resentment, alienation or violence.
- Protect the safety of the complainant by not divulging the person's identify, and provide the

mandatory relief by way of sanctioned leave or relaxation of attendance requirement or transfer to another department or supervisor as required during the pendency of the complaint, or also provide for the transfer of the offender:

- (d) ensure that victims or witnesses are not victimized or discriminated against while dealing with complaints of sexual harassment: and
- (e) ensure prohibition of retaliation or adverse action against a covered individual because the employee or the student is engaged in protective activity.

22. Govt. Schemes

- (a) DDU–GKY (Deen Dayal Upadaya Grameena Kaushalya Yojana)
- (b) NSDC (National Skill Development Corporation) To submit proposals and monitor along with external agency.
- (c) APSSDC (AP State Skill Development Corporation) To co-coordinator with depts... and conduct programs as per the schedule.
- (d) MHRD (Ministry of Human Resources Development) After sanctioning of Projects, Supervise the training/Pvt. Program.

Members	Designation & Dept.	Contact No.
Sri G. Suneel Kumar	Asst. Prof. in ECE	9966672653
Sri S. Khaja Khizar	Asst. Prof. in CSE	9849194711
Sri U. Pradeep Kumar	Asst. Prof. in ME	9908864887

Responsibilities

- To continuously explore possibility of various funding schemes.
- To submit proposals and monitor along with external agency. After sanction of the funding schemes, supervise the training programmes.

23. STUDENTS CLUB

Advisors	Designation & Dept.	Contact No.
Sri T. Prasanth	Asst. Prof. in CE	9160012124
Miss S. Jabeen	Asst. Prof. in ECE	9493352861
Sri L. Titus	Asst. Prof. in ME	9441402445
Miss K. Jyothsna	Asst. Prof. in CSE	9703354715

Sri J. Balaji

Asst. Prof. in EEE

9494080894

Responsibilities :

- May organize activities by the students with the tag of dramatic club / dancing / cultural club/ photograph club etc..
- May help them get permissions from Principal to organize events and also to closely monitor the events

24. OBC Cell**Objectives**

OBC Cell has been constituted in the College to resolve the issues and problems related to the OBC students and employees of the College

Functions

- To collect regularly, on an annual basis, information regarding course-wise admissions of OBC students in the College
- To collect information in respect of appointment, training of OBC candidates in teaching and non-teaching posts in the College
- To analyze the information collected above and prepare reports and digests for onward transmission to higher authorities
- To deal with representations received from OBC students regarding academics and campus life in the College
- To plan, implement and monitor remedial coaching for OBC students
- Any other work assigned from time to time to promote learning and well being among OBC students

Members

- Dr T. Kiran Kumar, Professor, Coordinator
- Miss B. Sravani, Asst Prof, Member
- Miss A. Jyothirmayee, Asst Prof, Member
- Miss S. Jabeen, Asst Prof, Member
- Sri B. Sreehari, Asst Prof, Member
- Smt M. V. Rathnamma, Asst Prof, Member
- Sri G. Sreedhar, Asst Prof, Member

25. SC/ST Cell

Objectives

SC/ST Cell has been constituted in the College to resolve the issues and problems related to the SC/ST students and employees of the College

Functions

1. To collect regularly, on an annual basis, information regarding course-wise admissions of SC/ST students in the College
2. To collect information in respect of appointment, training of SC/ST candidates in teaching and non-teaching posts in the College
3. To analyze the information collected above and prepare reports and digests for onward transmission to higher authorities
4. To deal with representations received from SC/ST students regarding academics and campus life in the College
5. To plan, implement and monitor remedial coaching for SC/ST students
6. Any other work assigned from time to time to promote learning and well being among SC/ST students

Members

1. Sri N. Prathap Kumar, Asst Prof, Coordinator
2. Sri M. Lakshmi Narayana, Asst Prof, Member
3. Sri N. Radha Krishna, Asst Prof, Member
4. Sri L. Titus, Asst Prof, Member
5. Smt K. B. Pullamma, Asst Prof, Member
6. Miss M. Mary Jasmine, Asst Prof, Member
7. Sri M. Chinna Sanjeevaiah, Asst Prof, Member

Contact Addresses : Sri N. Prathap Kumar, Assistant Professor, Department of Civil Engineering, KSRM College of Engineering, Kadapa-516003

26. Minority Cell

Objectives

Minority Cell has been constituted in the College to resolve the issues and problems related to the Minority students and employees of the College

Functions

1. To collect regularly, on an annual basis, information regarding course-wise admissions of Minority students in the College
2. To collect information in respect of appointment, training of Minority candidates in teaching and non-teaching posts in the College
3. To analyze the information collected above and prepare reports and digests for onward transmission

to higher authorities

4. To deal with representations received from Minority students regarding academics and campus life in the College
5. To plan, implement and monitor remedial coaching for Minority students
6. Any other work assigned from time to time to promote learning and well being among Minority students

Members

1. Sri Valli Bhasha, Asst Prof, Coordinator
2. Smt saleha Thabusam, Asst Prof, Member
3. Sri S. Mahaboobkhan, Asst Prof, Member
4. Sri S. Khaja Khijar, Asst Prof, Member
5. Smt S. Riyaz Bhanu, Asst Prof, Member
6. Smt M. V. Rathnamma, Asst Prof, Member
7. Sri S. Shabuddien, Asst Prof, Member

File Description	Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

Response:

Health Center:

The Institute has its own Health Center to provide necessary medical aid to the students and staff on the campus. There are Two Doctors and One Nurse. Specialists are also visiting the Health Center to provide consultation to the inmates. To meet the emergency, an ambulance is available in the institute. Medicines are provided at Free of cost.

Free Transportation Facilities:

The Institute transport facilities include 11 buses (52 seater), 02 staff cars, 01 ambulance, and 1 tractor. The buses are provided to near by towns such as Vempalli, Mydukur, Ontimitta to make it convenient for the students coming from these areas. Buses leave the college in various timings to mak it convenient for the students to utilize the Library and Internet facilities in the college.

Post Office, Book stores and Canteen:

A Post Office is functioning in the campus to cater the needs of the faculty, staff and students. All Kinds of Postal Services rendered including Saving Accounts. College stores and Canteens are available in the campus to cater the needs of the residents of the Institute. Subsidized rates for staff are provided in the canteen

Other facilities provided by the administrative authorities

- Maternity leave as per the Govt norms
- Paid leave for curriculum course work who are perusing Ph.D at IIT and NIT.
- TA and DA provisions for faculty development programs.
- EPF and Group Insurance are provided.
- Fee concession for Faculty children.

6.3.2 Average percentage of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the last five years**Response:** 22.8

6.3.2.1 Number of teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
45	108	51	43	33

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc. during the last five years	View Document

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**Response:** 3.4

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
4	4	3	4	2

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers attending professional development programmes viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programme during the last five years

Response: 7.19

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
22	22	13	17	13

File Description	Document
Details of teachers attending professional development programs during the last five years	View Document

6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

Response:

The Performance Appraisal for teaching staff is obtained based on the following criteria.

- Work Experience.
- Education qualification.
- Teaching and Learning Activities such as Subjects taught, Course material preparation and Innovative teaching -learning methodologies.
- Co-curricular and Professional Development Activities.
- Research papers published in referred journals as notified by UGC.
- Students Feedback.
- Contribution to corporate life.
- Classroom teaching and Examination duties.

Performance factor for Non-Teaching staff are

- Command of all assigned work duties and responsibilities.

- Cooperates with co-workers.
- Accepts direction from his/her supervisor.
- Performs the work assignment with a minimum of supervision.
- Is punctual, reliable, and has good attendance habits.
- Completes his/her work in a timely manner
- Decision making and problem solving.
- Human resource management.
- Employees skill level.
- Effectiveness in listening to others.
- Employee responsiveness

File Description	Document
Any additional information	View Document
Link for Additional Information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

The institution is having qualified practicing chartered accountant as External auditor who is auditing the accounts of the college once in a Year. After the audit, the report is sent to the management for review. The auditor is appointed by the Management. In addition to this, the institution is having consultants to give opinion on taxation and legal issues. Further the following committees are formed for internal auditing purpose.

1. Finance Committee.
2. Management Committee.

Finance Committee: Finance committee gathers and approves the annual budget of the Autonomous section and institute level for each financial year and review the utilization of funds of previous year as per budgetary provision. It meets once in a year and twice if required. The draft budget is placed to the finance committee for the approval. All the current year spending is carried out as per provision given in the

budget. Periodic reviews are carried out to monitor the utilization of the budget as per the provision given in annual Autonomous budget. Principal conduct the reviews with the help of chief account officer and Accounts officer a quarterly basis and make sure that the funds are utilized effectively.

Management Committee: Institute level budget is approved by institute Governing Body and management Committee at the end of each financial year for the coming year. Each department Committee headed by the HOD, senior faculty and lab in charges and prepares the annual budget for each financial year, this exercise is carried out taking the recurring & non – recurring expenditure requirement for the department for the entire year. A detailed requirement is submitted to principal. Account officer prepare the institute level requirement and prepare the detailed budget. All the department requirements and institute level requirements are discussed in HODs meeting and finalize the total recurring and non-recurring budget requirements. The comprehensive budget proposal is placed before the Governing Body and Management committees for final approval. Effective monitoring system is in place from quotations stage to the installation and commissioned stage. Any additional requirements arise due to unforeseen expenditure may be discussed in the HODs meeting and Management Committee is requested to approve Quarterly review of the expenditure is carried out in each department, to monitor the effective utilizations of funds.

The Last audit was done on 31st March, 2017 and as on date there is no adverse remark on the accounts of the institution. The college is filing income tax return every year within the stipulated time.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropers during the last five years (not covered in Criterion III)

Response: 11.6

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropers year wise during the last five years (INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
2.50	2.40	2.35	2.30	2.05

File Description

Document

Details of Funds / Grants received from non-government bodies during the last five years

[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

Response:

OBJECTIVES:-

- Ensures growth and development in a planned and phased manner.
- Takes into account sustainability as a major concern at every level.
- Tailors every plan to suit the vision and objectives of the Institution.
- Factors in sourcing and availability of funds and listing the priorities.
- Make a judicious use of consultants, consultancy and expertise in the planning.
- Provide for periodic strategic planning for mobilization, allocation and utilization of resources.

STRATEGIES:-

- The Institution should be financially viable from inception.
- Develop infrastructure through fundraising (Foundations, Individuals.
- Manage maintenance and operational costs through fees.
- Parallel models of planning for sustainability for the Institution.
- Develop an 'alternative model' that relies on infrastructure development through donors and foundations.

THE PROCESS OF PLANNING FOR SUSTAINABILITY:-

- Strategic Planning Committee & Strategy Retreats.
- Governing Bodies of Sponsors and of the Institution.
- For matters relating to Policy.
- Board of Management of the University for Operational Matters.
- Board of Management and Academic Council of the Institution for academic matters.
- Consultants and Collaborators.

STRATEGIES TO DEVELOP ALTERNATE CHANNELS OF FUNDS GENERATION:-

- Develop an investment plan for the funds at the disposal of the Institution.
- Maximize returns from use of the infrastructure of the Institution.
- Maximize opportunities for returns from outsourcing utilities and services.
- Overlap sustainable clusters (Engineering, Management, Social Work etc..) with financially unviable clusters.
- Maximize returns from the land at the disposal of the Institution.

FUNDING RESOURCES:- Ground rules, Sources.

- Depend mainly on fundraising for capital expenses and infrastructure.
- Depend on fees for running expenses, maintenance and normal development and expansion.
- Provisions made for cross subsidy of non-viable but socially relevant courses.
- Sources and Agencies:-

*Foundations/Corporate Houses/Individuals.

*Alumni around the world.

MANAGEMENT OF FINANCE AND INVESTMENTS:-

- Finance Committee Monitors Internally generated funds.
- SRI KANDULA OBUL REDDY Charities monitors fund raising and infrastructure development.
- Investment Firm handles deposits and securities under advisement.
- Finance Officer and Development Officer handle day to day transactions.
- Accounts Officer handles accounts and documentation.
- Statutory Audit firm handles all accounts and projects.

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

Improving Teaching and Learning Process

The teaching and learning process starts with designing of a lecture plan by the facilitator. The lecture plan is given in advance to the learners. The facilitator initiates a discussion or tells a story or questions the learners before defining the objectives. The objectives of the lectures are defined to specify to the learner the learning outcomes. During the lecture, discussions and questioning is encouraged. Various forms of assessment are used for continuous evaluation such as group discussions, assignments, PowerPoint presentations, class test to name a few. Various co-curricular activities are also organized for the learners. These activities give an opportunity to the students to put their knowledge into application. The learner is the part of the learning process rather than just a spectator of the same. A major limitation of the teaching /learning process is the time constraint. The facilitators have various ideas which they would like to implement in their class.

The Academic Calendar is prepared before the beginning of the academic year. This aids the facilitators and the learners in understanding the time schedule for implementation of the learning process. Dedicated teaching and non-teaching staff are the pillars of strength of the teaching and learning process. Without a dedicated team, success cannot be achieved.

Faculty Enrichment Programmes (FEP)

The Management annually organizes Faculty Enrichment Programmes for promoting teacher quality through a three pronged strategy that aims at personal, profession and holistic development of teachers thereby facilitating their role as educators and mentors responsible for grooming the future citizens with right knowledge, attitude and skills. The institution conducts Orientation Programme annually apart from conducting various faculty enrichment programmes. The staff orientation programmes include workshops, interactive sessions and motivational lectures from eminent persons on topics like Role of information and Communication Technology in Teaching, Sharing Best Practices, Spiritual Qualities of Teacher, Team

Building of Teachers in Global Perspective, Interpersonal Effectiveness, Art of Living , Holistic Transmission of Knowledge, etc. The positive outcomes of these programmes are reflected through the various initiatives taken by the faculty and the management towards a relevant, enriched and holistic teaching –learning process.

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms

Response:

1. The number of e-class rooms is increased and number of faculty using the ICT facility is increased. Lesson plan will be prepared in every course and instruction will be delivered adhering to the academic plan. Lesson diary is recorded in the class student attendance register. Instead of listening to the teacher exclusively, students and teachers interact equally. Empowering innovation, experimentation and creativity by teachers to effectively utilize new methods of ICTs. Designing and conducting bridge courses to help students understand and assimilate institute teaching learning practices. IQAC examines various aspects of Teaching Learning process and suggests various modes for improvement by taking the inputs inform of feedback and advises to implement them and reviews periodically. Setting instruction quality attributes help teachers to deliver subject content efficiently. Setting learning quality attribute help students in learning process. Feedback system systemizes the monitoring. Grades in examination and co curricular and extracurricular activities of students are direct and indirect means of teaching and learning process. Workshops to share good practices involving experimentation, collaboration among faculty and students.

2. To continuously review the teaching-learning process, a central body viz the College Academic Council has been established. This is a statutory body fulfilling the requirement of autonomy. It regularly monitors and reviews teaching and learning process. It is having all the Heads of the Departments and senior faculty as members and principal as its chairman. The council meets frequently and takes decisions regarding all academic matters. It also approves and ratifies the decisions of the Boards of Studies. Besides the college academic council several committees are also engaged in reviewing the teaching-learning process continuously.

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

Response: 6.6

6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
7	7	7	6	6

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	View Document
Any additional information	View Document

6.5.4 Quality assurance initiatives of the institution include

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

Any 4 of the above

Any 3 of the above

Any 2 of the above

Any 1 of the above

Response: Any 4 of the above

File Description	Document
Details of Quality assurance initiatives of the institution	View Document

6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)

Response:

Faculty development programme, orientation program and workshop have been conducted for the faculty members to enhance knowledge on technology up gradation. Training for faculty, staff and students on Google G suite collaboration tools. Workshops on digital transactions. Creating assessment plan and procedures to determine curriculum effectiveness. A frame work for optimising local, state and nation standards in curriculum. Monitoring curriculum delivery. Reorienting and training faculty members in current research topics. Involving students in minor and major research projects. Establishing inter disciplinary research groups that work on product development. The library has a collection of good number of books meeting the requirement of students and faculty. New titles and volumes of text books are added every year continuously, by allocating required budget to procure books and e-journals. Information and Communication Technology has been made an integral part of teaching learning process by converting

some of the conventional class rooms into e-class rooms. These rooms have been equipped with LCD projectors, digital boards and audio systems. All the departments and divisions are continuously appended with additional physical infrastructure regularly when ever required and also based on the inputs taken from the stakeholders through feedback. Faculty chambers are provided computers with internet facility. Providing digital infrastructure for teaching, learning and collaboration. Providing physical infrastructure in laboratories with hardware and software tools for teaching, learning and research. Providing access to print and digital literature through library services. Providing congenial reading and work environment in library. Providing training to library staff.

NAAC

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

Response: 13

7.1.1.1 Number of gender equity promotion programs organized by the institution year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	2	3	3	2

File Description	Document
List of gender equity promotion programs organized by the institution	View Document
Any additional information	View Document

7.1.2 Institution shows gender sensitivity in providing facilities such as

a) Safety and Security

b) Counselling

c) Common Room

Response:

The institution has Internal Complaints Committee for Prevention of Sexual harassment of Women, which looks after the issues pertaining to women in particular. Internal Complaints Committee is capable of dealing the cases (if any) very confidently with its team of Principal, functional head of the committee and a few women faculty members. The committee also conducts different activities to encourage women to fight against any kind of injustice resulting from gender bias.

- It can be stated with due pride that in the institution the incidents of sexual harassment of women students are nil due to the discipline on the campus.
- The campus is proved to be very secure due to its well-maintained security system. Separate hostels for girls and boys with good security.
- The institution is very concerned about health and security and thus provided with ambulance to attend any kind of emergency 24/7. A health Centre with a qualified Doctor and full time Nurses are available to offer medical care for minor issues and first aid.
- Women workshops are organized quite often for stress free life by the selected resource persons.
- Faculty Counsellors always available to counsel the girl students.
- Sick room for girl students with required medical facilities.
- Common rooms exclusively for girl students are provided in each block.

- Students in the hostels have to follow strictly the rules displayed in their notice boards.
- Outings are allowed only once in a week that too after taking the consent of the parents over phone.

7.1.3 Percentage of annual power requirement of the Institution met by the renewable energy sources

Response: 26.99

7.1.3.1 Annual power requirement met by renewable energy sources (in KWH)

Response: 100000

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	View Document

7.1.4 Percentage of annual lighting power requirements met through LED bulbs

Response: 5

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 1800

File Description	Document
Details of lighting power requirements met through LED bulbs	View Document

7.1.5 Waste Management steps including:

- **Solid waste management**
- **Liquid waste management**
- **E-waste management**

Response:

Solid waste management:

The primary goal of solid waste management is reducing and eliminating adverse impacts of waste materials on human health and environment to support economic development and superior quality of life. Dust bins are provided throughout the campus. Throwing the waste anywhere is strictly prohibited. Usage of plastic bags is discouraged within the premises of the College.

Liquid Waste Management:

Well constructed drainage system leads to the closed collection tanks, the tanks are regularly cleaned to avoid stagnation of water and the cleaning part is given for outsourcing. Waste water from RO is consumed in washrooms, flushing water in toilets and also for watering the plants and garden. RO water plants have been installed in all departments of the college and also in hostels.

E-Waste Management:

"Electronic waste" or "E-Waste" may be defined as discarded computers, office electronic equipment, entertainment device electronics, mobile phones, television sets, and refrigerators. This includes used electronics which are destined for reuse, resale, salvage, recycling, or disposal. E –Waste, which on the face of it seems quite clean and safe is not so. Its qualitative characterization shows it to be very complex consisting of several hazards constituents that can play havoc with our health therefore some of the e-waste generated is used for technical education purpose by using the hardware in laboratories for display. The remaining material is disposed off in an appropriate manner.

7.1.6 Rain water harvesting structures and utilization in the campus

Response:

Rainwater harvesting is a technique used for collecting, storing and using rainwater for landscape irrigation and other uses. Soak pits are also constructed at appropriate places to raise the water table. In the North-East corner, the institute has a big pit to collect the rain water. Drip irrigation is adopted on the campus mainly to restrict the usage of water to a minimal. Action is initiated to improve ground water level and minimizing run of water.

Benefits

- 1.Helps in recharging the soil,
- 2.Improvement in ground water quality by dilution
- 3.Improves soil moisture
- 4.Easy to Maintain
- 5.Reduces soil erosion
- 6.It will reduce water bills
- 7.It provides an alternative supply during water restrictions
- 8.Maintains a green, healthy garden
- 9.It decreases storm water runoff, thereby helping to reduce local flooding and scouring of creeks.
- 10.Improving plant growth by using rainwater for irrigation because stored rainwater is free from pollutants as well as salts, minerals, and other natural and man-made contaminants

7.1.7 Green Practices

- **Students, staff using**
 - a) **Bicycles**
 - b) **Public Transport**
 - c) **Pedestrian friendly roads**

- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

Response:

Green Practices followed by both the faculty members and the students in the campus are:

Bicycles:

The faculty members and students residing nearby are encouraged to come by bicycles. Thus we prevent the emission of carbon dioxide in the campus

Public Transport :

The institution is located beside four lane road connecting Kadapa and Pulivendula. So we encourage our faculty members and students to use the public transport for safety, security and fuel conservation.

Pedestrians Friendly Roads:

The campus has wide, well maintained black top roads, covering every nook and corner of it.

Plastic free campus:

Use of plastic bags and cups are discouraged in the campus. Even in the canteen usage of steel plates/ leaf plates and steel cups or paper cups are mandatory.

Paperless office:

The Management has taken keen interest to make the office a paper less office. The accounts/office and academic information is stored and maintained through systems only. The complete campus is WiFi enabled, making it much easier for paper less activities. Even the official information and circulars are preferred to be sent only through mails.

Green landscaping with trees and plants:

The institute has taken several measures for planting to make Green Campus. 50% of total area is covered with trees. Tree plantation in the campus is the regular activity of the NSS.

7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

Response: 0.87

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year

wise during the last five years(INR in lakhs)

2016-17	2015-16	2014-15	2013-14	2012-13
5.5	5	4.5	4	3

File Description	Document
Details of expenditure on green initiatives and waste management during the last five years	View Document

7.1.9 Differently abled (Divyangjan) Friendlines Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

A. 7 and more of the above

B. At least 6 of the above

C. At least 4 of the above

D. At least 2 of the above

Response: C. At least 4 of the above

File Description	Document
Resources available in the institution for Divyangjan	View Document

7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

Response: 10

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Any additional information	View Document
Number of Specific initiatives to address locational advantages and disadvantages	View Document

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

Response: 10

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
2	2	2	2	2

File Description	Document
Details of initiatives taken to engage with local community during the last five years	View Document
Any additional information	View Document

7.1.12

Code of conduct handbook exists for students, teachers, governing body, administration including Vice Chancellor / Director / Principal /Officials and support staff

Response: Yes

File Description	Document
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	View Document

7.1.13 Display of core values in the institution and on its website

Response: Yes	
File Description	Document
Any additional information	View Document
Provide URL of website that displays core values	View Document

7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations	
Response: Yes	
File Description	Document
Any additional information	View Document
Details of activities organized to increase consciousness about national identities and symbols	View Document

7.1.15 The institution offers a course on Human Values and professional ethics	
Response: Yes	
File Description	Document
Any additional information	View Document
Provide link to Courses on Human Values and professional ethics on Institutional website	View Document

7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions	
Response: Yes	
File Description	Document
Provide URL of supporting documents to prove institution functions as per professional code	View Document

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years	
Response: 9	

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year wise during the last five years

2016-17	2015-16	2014-15	2013-14	2012-13
3	1	2	2	1

File Description	Document
List of activities conducted for promotion of universal values	View Document
Any additional information	View Document

7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities

Response:

With a view to fostering the spirit of oneness and inculcating moral values among the students, our Institution constantly encourages in celebrating all National festivals, birth and death anniversaries of great men and important days. Following are the important festivals and occasions that we celebrate in the campus.

- Republic Day
- Independence Day
- Gandhi Jayanthi
- Ambedkar Jayanthi
- Srinivasa Ramanujan Jayanthi
- Sir Mokshagundam Visweswaraya Jayanthi
- Rudolf Diesel Jayanthi
- Teachers Day
- Engineers Day
- Women's Day
- Yoga Day
- Water Day
- Ambedkar Vardhanthi

7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions

Response:**Financial Transparency:**

Before commencement of Academic Year, budget proposals were prepared by each department. Then it is brought for discussion in Governing Body Meeting to get approval. Budget is released as per the approval of the Governing Body Meeting, to all the departments. Every department in the institution will procure new things and improve the existing facilities.

Academic Transparency:

- Academic decisions have been taken in the respective departments relating to subject allocation, arranging guest lectures, organising seminars, and workshops.
- Conducting counselling for students by faculty advisors twice in a semester
- Internal assessment of the students is evaluated in a centralized manner. The answered scripts are given to students after evaluation for the verification. Finally, marks will be sent to their parents / guardians.

Administrative Transparency:

There exists defined procedures for administrative activities such as – code of handbook for students and staff, code of ethics, centre for research and innovation policy, research promotion policy, consultancy promotion policy ...etc

Auxiliary Functions:

For smooth functioning of the institution, different committees are formed to carry out auxiliary functions. The following committees are in function.

1. Disciplinary committee
2. Anti-Ragging committee
3. Transport committee
4. News letter / Magazine / Brochure / Calendar committee
5. Cultural committee
6. Sports committee
7. Time table committee
8. Alumni council committee
9. Central library committee
10. Maintenance committee
11. Training & Placement committee
12. Data acquisition and maintenance Committee
13. Affiliation and accreditation committee
14. Community development committee
15. Public relations committee
16. Professional students chapter
17. Research and development committee
18. Entrepreneur development cell
19. Internal Quality and Assurance Cell (IQAC)

- 20. Grievances redressal committee
- 21. Internal complaints committee for prevention of sexual harassment of women
- 22. Government schemes committee
- 23. Students club
- 24. SC / ST Cell,
- 25. OBC Cell,
- 26. Minority Cell

7.2 Best Practices

7.2.1 Describe at least two institutional best practices (as per NAAC Format)

Response:

Best Practice – 1

Title of the Practice:

Framework for instruction delivery fostering effective knowledge transfer

Goals:

- ? To ensure that courses offered to students are allotted to competent faculty members who have adequate expertise and experience to teach the course and to appoint a mentor for each course.
- ? To ensure that the faculty member, well ahead of the beginning of the semester, prepare a set of course objectives and outcomes, adequate study material, presentation material, videos, software tools, lesson plan, question bank with key under the guidance of the mentor and get approved by HOD/Principal.
- ? To monitor course delivery continuously during the progress of the semester, based on the feedback/input given by the stakeholders.
- ? To put a system in place for measuring the attainment of the intended course outcomes quantitatively and qualitatively.
- ? To record and make available the experience and hurdles faced by the faculty in delivering the course, to other faculty who will be teaching the course in the subsequent years.

The Context:

The mission of the College is to prepare the students for future. This entails high quality instruction delivery supported by allied activities like research, industry-institute interaction etc. It is the responsibility of the College to provide systematic support to the faculty members so that they are properly equipped to meet the demands of the instruction.

In this context, developing a framework for instruction delivery and benchmarks for measuring the attainment of the outcomes quantitatively and qualitatively are essential. This practice is designed to address this issue. Appropriate remedial steps are taken for continuous improvement.

The Practice:

The teaching of students at all levels is to be distributed among faculty members without regard to rank or seniority as such. Basic-level courses are not deemed the exclusive province of the junior faculty nor advanced courses the unique domain of the senior faculty. It is important that students, including freshmen and sophomores, have significant opportunities to learn from eminent faculty. And junior faculty members should not be called upon to bear a disproportionately heavy share of the responsibility for large and pedagogically demanding basic-level courses. This is not to say that teaching assignments should be unrelated to research interests or teaching strengths. On the contrary, the marriage of teaching and research greatly enhances both enterprises. Comparative advantages and strengths are an appropriate consideration in allocating teaching responsibilities. Naturally, teachers should be flexible enough to offer courses outside narrow fields of specialization

A skill matrix is prepared taking into account faculty specialization, performance of the faculty in the last two years and professional experience. From the skill matrix, appropriate faculty is identified for teaching each course in consultation with the faculty. The faculty with vast teaching experience and expertise is identified as a mentor for the course. Mentor of a particular course guides the faculty members in defining the course objectives and course outcomes based on the syllabus and assist them in preparing lesson plan, notes on lesson and other adequate study material, presentation material, videos, software tools and question bank with key. Well ahead of the beginning of the coursework, it is ensured that teachers are well equipped to handle the courses assigned to them.

As the semester progresses, courses are delivered as per the lesson plan. Periodically the mentor of a particular course interact with the faculty offering the course and ensure that the delivery is in line with the lesson plan. In case of any deviation, suitable measures are taken to bring it in line with the lesson plan. On last Saturday of every month the HOD reviews the progress of the course delivery.

To ensure the quality and effectiveness of the course delivery, periodic feedback is collected and appropriate measures are taken as detailed below:

? Feedback from the students collected in the Class Committee meeting arranged after the first and second internal assessment tests (Unit tests).

? Online feedback is taken from the students on the teaching of every course between 6th and 8th week from the start of the semester.

? Once in a semester, general counseling is arranged. During general counseling, each student is counseled by a senior faculty belonging to any other department so that, the student feels free to express his difficulties and issues concerning the teaching learning process.

? Once in a semester a parent-teacher meeting is arranged to get parents' views also. For all the concerns raised appropriate actions are taken. Performance of the students in the internal assessment tests is taken as an indicator of attainment of course outcome. In this regard, the weightage given for different course outcomes and the performance of the individual students in each course outcome are evaluated and

quantitative assessment of attainment of course outcome is made after every assessment tests. It serves as guideline to make sure whether the intended outcomes are achieved or not. Wherever the attainment is low, appropriate corrective measures are taken. At the end of the semester, the teacher prepares a comprehensive end semester course review form which provides input for the teachers who will be handling the same course in the next term.

Evidence of Success:

The following table depicts the overall improvement in the pass percentage achieved by final year students during 2012-17.

Academic Year	Pass Percentage
2012 - 13	62.56
2013 - 14	84.74
2014 - 15	83.38
2015 - 16	82.59
2016 - 17	84.71

Problems Encountered and Resources Required:

A great deal of time is to be set apart by all the faculty members in monitoring, assessment and relevant documentation, apart from the time spent for the classroom teaching.

Best Practice – 2

Title of the Practice:

Harnessing Research and Innovation ecosystem for Student Empowerment (H-RISE)

Goals:

- To utilize the resources, both equipment and knowledge base, available at Center for Research and Innovation for student projects
- To foster system approach for student projects
- To encourage interdisciplinary student projects
- To train and enable students in industry related skills

Context:

An essential component of the mandate of KSRM College of Engineering (KSRM) is to create and sustain an atmosphere of intellectual excitement, a climate of inquiry and innovation among students and faculty. The Center for Research and Innovation (CRI) is the platform for the conduct of research and scholarly activity and to promote applied research and innovation

KSRM has invested heavily in equipment and creating knowledge base, apart from regular laboratories in departments. Faculty are trained and emancipated to undertake scholarly activity at CRI. The CRI mimics the corporate industry work culture and ethics

In this context, KSRM initiated a process wherein CRI will empower students to undertake industry-grade projects utilising the available resources with it

Practice:

The basic premise of H-RISE program is students' experiential learning. The students will be trained in domain and personality skills before inducted into the projects. A robust mentoring system ensures high project completion success rate

Physical facilities: State of art physical infrastructural facilities are available at CRI. Some of the resources are:

1. Computers with Intel Core i7 processors, 8 GB RAM, 19" monitors, with dual boot, Windows 10 and Ubuntu, facility (30 Nos)
2. Measuring and Testing equipment including 50 MHz digital storage oscilloscope, 3 channel DC power supply, 3 GHz spectrum analyser, 200 MHz mixed signal oscilloscope, multimeters, 25 MHz function generator, high-end soldering and desoldering station with accessories, ESD workbench
3. CAD workstation including HP Z440 workstation with Xeon quad core processor with 8 GB RAM, NVIDIA GPU with 4GB RAM, 23" monitors, and A1 size color plotter
4. Fabrication facility: 300 x 300 x 300 3D printer with accessories
5. Development tools including National Instruments LabVIEW software (40 licenses) with data acquisition systems, ANSYS, STAAD Pro along with huge collection of open source software; development boards like Raspberry Pi, NodeMCU, Arduino along with various sensors; Robotic training kits
6. Other infrastructure including UPS, activity rooms to train 30/40 students at a time, 24x7 internet connectivity, LCD projectors

Knowledge base of CRI include expertise of faculty from all departments, outside industry experts, alumni, and hired corporate trainers

The Process:

1. Screening and selection: At the beginning of academic year applications are invited from students for training and induction into projects. About 60 students are selected from all branches after screening and interview
2. Training: All students are given basic training in C and Python programming languages, and personality skills. This is followed by specialized training meeting the requirements of projects undertaken
3. Projects: Students are grouped into batches and encouraged to research and formulate their projects under the guidance of mentors
4. Mentoring: Each batch is assigned to faculty member who mentors the students
5. Funding: Students are permitted to utilise the inhouse resources. Any expenditure towards components, fabrication, travel etc are met by the CRI after due approvals and processing

6. Monitoring: The progress of projects is monitored by Coordinator, CRI

Evidence of Success:

The success of the practice is ascertained by qualitative and quantitative measures. Quantitative measures are, on yearly basis,

1. Number of students involved in the practice
2. Number of successful projects
3. Number of training programs conducted

The qualitative measures include

1. Perception and feedback from students on the practice
2. Perception and feedback from faculty
3. Perception of outside world

List of Recent Projects completed by Students

Students	Project Description
K. Bharath Kumar Reddy (139Y1A0533)	Modern Farming This project aims at development of mobile app for aspects of decision making for Market price details, selection of pesticides and also the weather reports. For this mobile app free of cost. This will effectively help sell their product in market and earn higher profits. Mentor: V Chandra Sekhar
L. Raviteja Naidu (139Y1A0536)	
M. Lokesh (139Y1A0537)	
T. Sanjaydeep (129Y1A05D1)	
K. Ashok (129Y1A0343)	Fabrication of Unmanned Defense and Multi-purpose An unmanned defence Robot which is highly suitable Applications. The goal of the projects to implement the way of analyzing Robot. The FM receiver circuit controlled. Mentor: L. Titus
G. Reddy Sai Kishore (129Y1A0331)	
A. Narasimha Murthy (129Y1A0302)	
D. Govardhan Reddy (129Y1A0325)	
B. Jaya Prakash (129Y1A0315)	Solar Powered Electric Bicycle In order to conserve Energy, It is intended to take sustainable green future. In this project a solar powered bicycle developed by using solar energy which is a natural resource. In this bicycle one can travel faster for long time without using battery. Mentor: K. Rama Mohan Reddy
S. Divya (30903220)	
K. Mohan Reddy (30903260)	
A. Pavan Kumar Reddy (30903268)	
A. Naresh (30903260)	Obstacle AVOIDER Robot with GPS
M. Narasimha Naik (30903259)	
G.B. Siva Bhavani (119Y1A0427)	

B. Rajitha(119Y1A0416) G. Srinidhi (119Y1A0433) M. Thulasi (119Y1A0460)	The project aims to design and build an obstacle avoidance vehicle using ultrasonic sensors for obstacle detection. A microcontroller of ATMEGA family is used to achieve the operation. Mentor: R.V. Sreehari
D. Krishna Sai (139Y1A0132) K. Swetha (139Y1A0164) K. L. V. Saivardhan Reddy (139Y1A0165) K. Anantha Raju (139Y1A0167) S.Damodar Reddy (139Y1A01C8)	Design and Fabrication of Soil Moisture Sensor Soil moisture sensor is an important component in irrigation systems. In this project, soil moisture sensor is fabricated for real world use. It is calibrated by field experiments. A necessary C library is developed for interfacing with the microcontroller. The design is based on resistivity principle. Mentor: A. Mohan

List of recent training programs

Resource person	Training Program/Topic
Prof A. Mohan	Data Analysis using Python This course introduces basic Python programming and web data analysis using RegEx, Sockets programming and BeautifulSoup Dates: 13-Sep-17 to 27-Sep-2017 No of students attended: 30
Mr. Prakesh Rangu Delivery Manager, WIPRO Technologies, Bangalore	Jobs In IT Industry No of students attended: 110 Date: 16/12/2017
Mr. S. Asim Akhtar Dy General Manager-Operations, TIME Institute-Hyderabad	Opportunities in Industry for B.Tech Students No of students attended: 235 Date: 20/12/2017
Mrs. M.Soluchana Corporate Trainer, Sree Venkateswara Educational Society, Hyderabad	Importance of Communications Skills No of students attended: 235 Date: 03/01/2018
Mr. Anil Nair Corporate Trainer, Anil Nair Classes, Hyderabad	Short Cut Methods In Aptitude No of students attended: 180 Date: 16/12/2017
Mr. P.Niranjan	Resume Building

Director, Campus & Corporate Relation, Career Conduit Management Solutions, Hyderabad	No of students attended: 110 Date: 22/07/2017
Mr. V Venkata Siva Ram Corporate Trainer, WIPRO Technologies, Hyderabad	C Language No of students attended: 68 Date: 30/07/17
Mr. C. Prasad Manager, Tech Mahindra-Hyderabad	Recent Trends In IT Industry No of students attended: 112 Date: 19/08/2017
Mr. Visweswaran Jagadeesan Sr. Academic Technical Consultant, National Instruments, Bangalore	System Design Tools from National Instruments No of students attended: 36 Date: 28/08/2017
Mr. Siva Krishna Employee of BEL, Bangalore	An Awareness Programme on Gate-18 No of students attended: 256 Date: 11/09/2017
Mr. S Uttam Rao Manager, ATOS Life Sciences, Hyderabad	Mock Interviews No of students attended: 115 Date: 21/09/2017
Mr. N. Vamsi & Mr. Faheem Basha IT Associate, APITA, Vijayawada	IBM Cloud Application Development Program No of students attended: 108 Date: 22/09/2017
Mr. A Mohan Director, Kandula Group of Institutions, Kadapa	Leveraging ICTS for Learning No of students attended: 96 Date: 15/11/2017

Problems encountered and Resources Required:

- 1.Retention of students: Some students backout of the process unable to cope up with the work pressure. Mostly students are sensitised of the work and motivated to complete the projects. Any vacancies that arise because of dropouts are replenished with new students after appropriate induction training
- 2.Fabrication facilities: Facilities for mechanical fabrication are to be created within CRI
- 3.Funding: CRI is unable to fund the total expenditure towards projects

Best Practice – 3**Title of the Practice:**

Creation and maintenance of an Eco-friendly Campus

Objectives of the Practice:

The objectives of this initiative are:

- Creating awareness among the college community an atmosphere and learning environment that advances a civil and sustainable growth.
- Cheering the college community to steer and uphold sustainable solutions through teaching, research and extension activities that tackle live issues of the campus and its adjacent communities.
- Ensuring the preservation of biological diversity and the protection of this eco-sensitive area by adopting thud and sustainable growth.
- Fastening the traditional knowledge and practices of local communities and involving them in the conservation and sustainable use of these resources.

Context:

- Since college is located in drought area, plantation of trees leads to increase in rainfall.
- To maintain pollution free environment in the college premises.

The Practice:

Eco-Friendly Practices followed by both the faculty and the students on the campus are:

- **Bicycles and Public Transport:** The faculty members and the students residing nearby are encouraged to come on bicycles. Thus we prevent the emission of carbon dioxide on the campus. The institution is located beside four lane road connecting Kadapa and Pulivendula. So we encourage our staff and students to use the public transport for safety, security and fuel conservation purpose.
- **Pedestrians Friendly Roads:** The campus has wide, well maintained black top roads, covering every nook and corner of it.
- **Plastic free campus and Paperless office:** Use of plastic bags and cups are discouraged inside the institution. Also, in the canteen, it is insisted on usage of steel plates/ leaf plates and steel cups or paper cups as mandatory. The institution is laid special attention on avoiding paper usage maximum in every part of the administration. The ultimate vision is to see the office completely as paperless. All accounts/office as well as academic information is stored and maintained through systems only. The total campus is Wi-Fi enabled. It is also an easier way to maintain paperless activities properly and promptly. Even the official information and circulars are preferred to be sent only through mails.
- **Green landscaping with trees and plants:** The institution has taken several measures for plantation with the vision Green Campus. 50% of total area is covered with trees. Tree plantation on the campus is the regular activity of the NSS wing.
- **Grid connected roof top solar photo voltaic power projects:** The College has embarked upon roof-top solar installations with an installed capacity of 200 kWp. If the power requirement of the

Institution is less than the solar generated power, then the surplus generation is fed to the grid.

Evidence of Success:

Success in the creation of an Eco-Friendly campus is seen in the following:

- **The plantations and their maintenance:** A very plane environment has been tackled for the plantations mentioned above, and great care is taken for their systematic maintenance and robust growth. Whatever plants have been destroyed or deforested by animals have been promptly replaced.
- **Grid connected roof top solar photo voltaic power project:** The 200 kWp project is operational at Institution.
- **Waste management:** Transforming solid waste into harmless landfill material is operational for a year now, and will be scaled up shortly. All dead wood and seasonal trimming of trees are distributed to the labourers and nearby institutions for fuel.
- **Water conservation and supply management:** Plans are ready for construction of maximum number of soak pits at felicitous places to upraise the water table

Problems Encountered and Resources Required

Even though opportunities are at hand to face eco friendly possibilities on the campus, it is filled with extortionate issues

- Selection and preparation of locations for academic buildings called for expertise in a system of drains and plans for proper landscaping.
- Systematic planting of trees is very expensive but fruitful.

Best Practice – 4

Title of the Practice:

Improving Teaching and Learning Process

Goals:

To achieve the principles of the teaching / learning process which are multi-fold. The principles on the basis of which this best practice was decided was – to raise the curiosity of a student in a particular topic, to encourage the students to question the obvious and to increase the interaction in the class.

The Context:

Rapid advancement in technology is one of the major issues that affect the teaching/learning process. The facilitators find it difficult to keep pace with the techno-savvy learners. Further there is rapid change taking place in technology which aggravates the problem. Keeping the audience captivated throughout the lecture is another challenge. The facilitator is required to use a variety of tools to keep the learner engaged in the learning process. Having access to a variety of tools all the time may not be

possible. Today knowledge is just a click away to the learner; a challenge faced by facilitators is to keep pace with the latest news and happenings. The teaching/learning process is given immense importance in the institute. The institute trains their facilitators continuously to help them enhance their teaching abilities. The learning imparted to the teachers is implemented in enhancing the learning experience of the learner.

The Practice:

The teaching /learning process starts with designing of a lecture plan by the facilitator. The lecture plan is given in advance to the learners. The facilitator initiates a discussion or tells a story or questions the learners before defining the objectives. The objectives of the lectures are defined to specify to the learner the learning outcomes. During the lecture, discussions and questioning is encouraged. Holistic learning is encouraged through the continuous evaluation system. Various forms of assessment are used for continuous evaluation such as group discussions, assignments, PowerPoint presentations, class test to name a few. Various co-curricular activities are also organized for the learners. These activities give an opportunity to the students to put their knowledge into application. An aspect very unique about our teaching /learning process is the freedom given to learners to share their views and ideas. Even ideas that sound impractical are discussed and a proper explanation is given to the learners why they cannot be implemented. The learner is the part of the learning process rather than just a spectator of the same. A major limitation of the teaching /learning process is the time constraint. The facilitators have various ideas which they would like to implement in their class, however due to paucity of time all of them cannot be implemented.

Evidence of success:

The evidence of success is visible, qualitatively as well as quantitatively. The qualitative indicators are a more positive outlook towards life, improvement in etiquettes and desire to understand things rather than learning by the rote. The quantitative indicators for learners who actively participate in co-curricular activities are that they show improvement in academic performance. Students who have passed out have done extremely well in the corporate world. Some students have put their learning into application by starting their own businesses. The results bring some prominent factors to light. Some of the factors are that students when shown the right direction and given the right encouragement can achieve the goals they desire. Holistic development rather than only academic success contributes in creating socially sensitive individuals which is a prominent requirement of any educational institute.

Problems encountered and Resources Required:

The non-availability or non-workability of technology is one of the major problems encountered in the teaching learning process. Further, encouraging discussions in the lecture becomes self-obliterate towards its aim, at times. Questions posed by learners may not be to find an answer to the problem but to test the knowledge of the facilitator. The span of interest of the learners is very short. Teachers today have to play the role of an educator and entertainer combined, rather than just an educator. Resources in terms of finance are continuously required to upgrade technology requirements.

Notes:

The Academic Calendar is prepared before the beginning of the academic year. This helps the facilitators and the learners in understanding the time schedule for implementation of the learning process. Dedicated teaching and non-teaching staff are the pillars of strength of the teaching/learning process. Without a

dedicated team, success cannot be achieved. The Principal with his dynamic leadership style and constant guidance and support gives a prominent shape to the teaching/learning process.

7.3 Institutional Distinctiveness

7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

Response:

The distinctiveness of KSRM College of Engineering consists mostly in creating for its students an ambiance that provides a 'probing environment' in the area of career and setting of goals for their social sustainability.

An individual's personality is an aggregate conglomeration of the decisions they have made throughout their life, and the memory of the experiences to which these decisions led. There are inherent natural, genetic, and environmental factors that contribute to the development of individual personality.

To make benefit the College is organizing activities focussed on following aspects:

- Improving self-awareness,
- Improving self-knowledge
- CRT programs
- Improving skills and/or learning new ones
- Building or renewing identity/self-esteem
- Developing strengths or talents
- Improving a career
- Identifying or improving potential

The Institution organizes activities on above said aspects in association with the following consultants.

- Career conduit Management Solutions Pvt. Ltd., Hyderabad
- Tapasya Infotech., Hyderabad
- TIME Institute., Hyderabad
- RICHMAN & FREELAND., Hyderabad
- Mr. Ashiwin & Co., Chennai
- Seventh Sense., Bangalore
- Coign Management Solutions., Hyderabad
- Self Motivation by Md. Shakeer
- KUBE Technologies., Hyderabad

In addition the Institute organizes Webinars, workshops on improving advanced Technical skills, also conducts awareness programs on competitive exams like GATE, GRE, GMAT & TOEFL.

A person with a high self-esteem exhibits the following:

- Has a positive feeling about self
- Understands that there are self strengths and self weaknesses
- Believes to have a higher number of strengths than a number of weaknesses
- Believes that strengths are more important than weaknesses
- Believes that he or she is an important person

With continuous efforts on the activities to inculcate personality Development skills to the students of KSRMCE, one of our student secured All India Rank -1 in GATE Examination and many more students secured good ranks in Various Competitive exams. Many Students are placed in Indian Civil Services, State and Central Government organizations, Reputed MNCs.

5. CONCLUSION

Additional Information :

Additional Information :

Action taken on the recommendations of the Peer Team in March 2013.

Education and Placement of Students: Rigorous training for student placements

Qualified Senior Teachers: Faculty strength has been augmented with full time seniors and formal feedback from students for quality improvement and analytic evaluation of teachers for improvement in quality of teaching, course and program-wise feedback is collected on teaching learning and shared with faculty members.

Improvement in hostels: Hostel facilities are improved by properly furnishing the rooms and providing hygienic food and dining facilities.

Sports : sports facilities are improved with Two cricket grounds. The turf wickets are developed and also the management has decided to construct another Indore stadium of large capacity. Accommodating Shuttle badminton, Ball badminton ,Volley ball ,Basket ball and table tennis, at National level. Digital Library established, also has registration with National Digital Library, students have access to MOOC courses through NPTEL / Swayam.-

Seed money for faculty: The faculty are given seed money for doing projects and for attending Conferences at National Level.

Library facilities are also improved by establishing Digital Library, also has registration with National Digital Library. Students have access to MOOC courses through NPTEL / Swayam.

Internet facilities are also improved in the faculty chambers.

Concluding Remarks :

Concluding Remarks:

K.S.R.M. College of Engineering is the outcome of meticulous planning, clear vision and concepts, conceived and nurtured by an internationally renowned educational society, committed to excellence in academics, research and governance, with its greatest strength in the cadre of men and women devoted to excellence in every process and undertaking. A detailed analysis of the criteria that are the commitments of an institution of excellence is given in the Self Study Reports of the college and uploaded on the NAAC website.

In conclusion, we K.S.R.M. College of Engineering feel proud to quote the recognition and the accolade given to the college by JNT University is set to shake the grooves of academia and impact in the **Rayalaseema**

region . Alumni consists of IES, IPS, IRS ,Govt. officers and Group-I Officers faculty in IIT's IIM's / NIT's / Universities and owners of Software companies, etc.

This monumental education enterprise of great potential which offers promise of changing the educational landscape of state of Andhra Pradesh.

NAAC