



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SVR ENGINEERING COLLEGE

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518502**

www.svrec.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

SVR Engineering College (SVREC) is one of the premier Engineering Institutions in the Nandyal area, located in a pollution-free environment on **NH - 40** in Nandyal District. The Institution was established in the year 2007 under the Little Flower Educational Society with a vision to provide value-driven education of global dimensions. The Institution has a sprawling area of 13.40 acres and a lush green ambience. The Institution is affiliated with Jawaharlal Nehru Technological University Ananthapur, Ananthapuramu, Andhra Pradesh, and approved by the All India Council for Technical Education (AICTE). The Institution offers B. Tech degree programs in six branches i.e., CSE, CSE (AI), ECE, EEE, ME, CE, five Post Graduate courses in Technology and Management i.e., M. Tech (VLSI), M. Tech (Structural Engineering), M. Tech (Power Electronics), M. Tech (CSE) and MBA .

The Institution strives for empowering academic activities and provides resources that are easily accessible. A total of 25,849 volumes, 3259 titles, 44 National Journals, 11 Inter-National Journals, 15 magazines and e-journals are available along with newspapers. The college central library has subscriptions to various e-resources such as DELNET, KNIMBUS, and N-List (e-ShodhSindhu). It is housed in an area of 505 square meters with a seating capacity of one hundred and fifty.

SVR Engineering College has well-qualified and experienced faculty as its backbone. Eminent Scholars, Industrialists, and Experts from reputed I.T industries are invited frequently to share their valuable inputs about the know-how of the current industry demands and standards. In addition to this various Technical Workshops are also conducted to develop practical exposure that parallels the theoretical knowledge. A dedicated team of specialized skills strives throughout the year in terms of Career Grooming of the students to develop them as finished goods and be supplied to the Industry as part of Campus Recruitment. Extra-curricular activities such as Games and Sports and various Literacy and Cultural activities are organized to inculcate the spirit of teamwork. Students are encouraged for GATE, GRE, and TOEFL tests. Language development classes are conducted regularly and material is made accessible to the students to compete with the best to succeed in GRE, TOEFL, CAT, and other Competitive Exams.

Vision

To produce Competent Engineering Graduates & Managers with a strong base of Technical & Managerial Knowledge and the Complementary Skills needed to be Successful Professional Engineers & Managers.

Mission

To fulfill the vision by imparting Quality Technical & Management Education to the Aspiring Students, by creating Effective Teaching/Learning Environment and providing State – of the – Art Infrastructure and Resources.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

1. Focused Vision & Mission.
2. Well-developed infrastructure.
3. Qualified and experienced faculty & staff.
4. Good academic culture, ambience and working environment leading to high students and faculty satisfaction.
5. Management supports faculty qualifications upgradation and good academic practices.
6. The administrative and management policies & controls are well drafted to operate effectively.
7. Standard procedures, policies and practices are in place.
8. Campus placements are strong and career counseling for students is well organized and structured.
9. Students are given awards and rewards for merit achievement.
10. Mentor system with regular monitoring of attendance of students and their performance in examinations.
11. Reputation and prestige of the college is rated high by students for its overall training, holistic development and academic results & placements.
12. Institute location-accessible to all the Stakeholders.

Institutional Weakness

1. Less number of faculty with Ph.D.
2. R & D and consultancy activities are limited and research culture needs to be strengthened.
3. Curriculum, too restrictive and rigid
4. Lack of quality research publications
5. Lack of Scope for Students' projects and internships in industries and national level laboratories

Institutional Opportunity

1. To become Autonomous
2. To develop a Self Sustenance model
3. To have MOUs with Institutes of National Importance
4. To streamline and strengthen various research activities through MoUs and collaborations
5. To nurture global competency among students
6. To Use alumni base for institutional growth.

Institutional Challenge

1. Reduction in Core job opportunities
2. Faculty retention
3. Quality of student intake in certain departments due to change in preferences
4. Change in mindset towards R&D.
5. Presence of mediocre journal publishers.
6. Tough competition in research funding opportunities.

7. Availability of quality faculty interested in teaching.
8. As tuition fee is regulated, resource base could be affected.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

SVR Engineering College (SVREC) is an affiliated Institution of Jawaharlal Nehru Technological University Ananthapur (JNTUA) - Ananthapuramu and follows the curriculum prescribed by the University. Academic calendar provided by the University is taken as the base for making curriculum delivery plan. The Principal of the college conducts meetings with the Heads of the Departments for developing detailed academic calendar for conducting curricular, co-curricular, extra-curricular activities. HODs, in turn, conduct meetings with their faculty for the distribution of work-load, preparation of class wise and Course wise time tables and course plan. Department calendar of events is derived from the college calendar of events which is specific to the department. All the faculty members submit lesson plans, course files and lab manuals of subjects they are handling, at least 1 week before the commencement of every semester / academic year, to the Academic In-charge and made available to the students. Documentation and delivery of course contents is done by maintaining course files by the concerned faculty for both theory and lab courses. The contents of the course file include syllabus, history of subject, about subject handlers, pass percentage, batch and no of students, lesson plan, subject time table, lesson notes, Question bank which includes previous university question papers. Employing learner centric techniques such as assignments, peer learning, group discussion, brain storming, NPTEL lectures, case studies, field trips, industry visits, projects, and quizzes for the effective delivery of the academic courses.

The curriculum imparts transferrable and life skills through subjects such as Human Values and Professional Ethics, Skills Development courses - Soft skills, Communication skills and Technical skills, Economics and Finance and co-curricular activities which train students in all aspects, striving towards technological and human excellence.

Teaching-learning and Evaluation

The quality of students seeking admission has been improving year on year which is evident by the ranks of the students joining. As they are from diverse backgrounds, the institution is providing academic and other support. Remedial classes are conducted for slow learners. Bridge courses are organized for the lateral entry students. The advanced learners are encouraged to participate in Hackathons/Design contests etc. The institute follows a Mentoring system in which around twenty students are assigned to each faculty and he/she functions as their local guardian.

The institute has a policy of recruiting well qualified and experienced faculty as per AICTE norms and this has contributed to improving the Teaching-Learning process. The institute maintains the requisite teacher-student ratio. The courses are assigned to the faculty based on their competencies and specializations. Teachers prepare an elaborate course plan, lesson plan and handouts as part of the academic schedule. Innovative processes in Teaching and Learning like ICT tools and modern pedagogical techniques are adopted by the faculty.

To bridge the gap between the curriculum and the industry requirements, discipline specific technical training programs are conducted. To further strengthen students' domain knowledge guest lectures, workshops,

conferences etc. are organized.

As an affiliated institute, the examinations and evaluation system follow systematic rules and regulations of JNTUA. A set of PEOs, POs and PSOs are formulated for every Programme based on the 'Outcome Based Education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The Internal question papers setters also follow various levels of Bloom taxonomy such as Application, Analysis and Evaluate, so as to set quality questions which do not cater to the rote learning method. Systematic procedures have also been devised for assessing the attainment of PEOs, POs, PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year. With all these efforts the pass percentage of students has increased resulting in good placements and employability.

Research, Innovations and Extension

SVR Engineering College has created all necessary infrastructural facilities and a conducive environment to promote research activity in the campus. The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents.

Intellectual Property Rights Cell (IPR) organizes seminars and workshops for creating awareness on IPR, filing of patents, technology transfer, copyrights and its challenges, trademarks and advances in IPR in India.

SVR Engineering College organizes a number of extension activities to promote institute-neighbourhood community to sensitize the students towards society/community needs. The students of our college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme Units. Through these units, the college undertakes various extension activities in the neighbourhood community.

Infrastructure and Learning Resources

The institute has ICT enabled classrooms, well equipped laboratories, sports facilities and good infrastructure spread over 13.40 acres with lush lawns, beautiful landscape, aesthetic architecture and eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation and are well illuminated. The college has two seminar halls and one mini seminar hall. All seminar halls have different seating capacity, and these are equipped with ICT facilities.

The college has established a high-speed campus-wide network connecting all departments with 500 systems. CCTVs installed at strategic places help to monitor the campus activities. The Institution has power management department to ensure uninterrupted power supply and maintenance of electrical assets. The Institution has power house installed with three Diesel Generators of ratings **160 kVA** and solar power with an installed capacity of **60 kW**. The maintenance of equipment like Diesel Generator Sets, Power Distribution Systems, Air-conditioners, Fire-Fighting Equipment, Drinking water, Water-coolers and Solar Panels etc. is undertaken by authorized vendors under annual maintenance contract (AMC). The Institution provides Cafeteria, Books & Stationary and Transport facilities which includes 11 buses for all students and staff.

The institution has a central library with a floor area of 505 Sq.mt with a seating capacity of one hundred and fifty. The Library also has a collection of more than 3259 titles, 25,849 volumes and subscribes to 44 National Journals, 11 Inter-National Journals, 15 magazines and to various e-resources such as DELNET, KNIMBUS, and N-List (e-ShodhSindhu).

Student Support and Progression

The key aspects as below describe the steps taken by the institution to provide necessary assistance to the students in terms of academics such as providing meaningful experiences for learning at the campus facilitating holistic development and progression. It also aims at student performance and alumni engagement and the progression of student for higher education and/or achieving employment.

- The economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. Financial assistance is also given by college management to the needy students.
- The capability enhancement and development schemes include skill development courses like communication skills, soft skills, and technical skills and structured CRT programs. Co-curricular and Extra-curricular activities are also embedded into the system for an overall development of a student.
- Remedial coaching is provided for academically weak students so that they can improve in their academics. Bridge courses are conducted for lateral entry students in the II year to address the curriculum gaps between diploma and current course of study.
- The institute follows a Proctorial system in which around twenty students are assigned to each faculty.
- The consistent academic and other support rendered, has resulted in increased net selections in placements and gradual improvement in average pay package.
- Sports and cultural activities / competitions are organized by the institution every year wherein the students play an important role in planning and organizing.
- The institution also has a transparent mechanism for timely redressal of student grievances. Students are represented in several academic & administrative bodies/committees of the institution. The committees are Library committee, Anti ragging committee, Canteen committee, IQAC, Women Development cell etc.,
- There is also a registered Alumni Association (SVRECAA) which contributes significantly to the development of the institution.

Governance, Leadership and Management

The institute has a well-defined organizational structure. The policies of the management committee and Board of Governors are implemented by the Principal with the help of Heads of the Department and various committees constituted for specific purposes. Faculty are represented in the BoG and Academic council as part of participative management. As part of decentralization, representatives of faculty, non-teaching staff and students participate in various Committees of the institution. E-governance has been implemented for the purpose of admissions, finance and accounts and examinations using E-Cap.

The college implements several welfare measures for the faculty and staff for their personal and professional growth. These include maternity leave for women, provident fund etc.,

Faculty are encouraged to attend faculty development programs, Refresher courses, workshops, conferences etc., and are financially supported by the way of providing on duty, travelling allowance, registration fee etc.,

Professional development programs are conducted for teaching faculty and administrative / technical training programs for non-teaching staff.

The faculty is also encouraged to enhance their educational qualifications by reducing their work load, adjusting their time table and providing academic leave with pay.

The institute has a well-defined performance appraisal system for faculty and non-teaching staff.

The institute has a well-defined policy for budgeting and audit including internal and external auditing.

An IQAC cell looks after quality aspects in the institute. The IQAC regularly reviews the teaching learning process evaluation and assessment and as a result new courses have been introduced with an aim to enhance not just the quality of placements but also to develop their knowledge, skillsets and overall personality.

The institute has been participating regularly in the ranking of higher educational institutions instituted by MHRD. Two undergraduate programs (ECE and CSE) have been accredited by NBA and are live.

Institutional Values and Best Practices

The institution follows all the rules as per the statutory requirements with respect to academics, finance and administration and maintains complete transparency in all its activities.

The institute understands and meets the requirements of women employees and girl students with respect to safety, security, counselling and has made provision for requisite facilities accordingly.

The institution has adopted an environment friendly approach in maintaining the campus with continuous attention towards tree plantation, adopting water harvesting methods and employing renewable energy resources for power generation.

Facilities have been provided for the differently abled students, like ramps, wheel chair etc. The students participate in Swatch Bharat activities, conduct blood donation camps, and provide assistance to those affected by natural disasters.

The students are trained through two regular courses on Human Values and Professional Ethics with credit weightage. While the Administrative Manual defines the roles and responsibilities of the various administrative positions, the Code of conduct for students is published in their handbook.

The two best practices that the institution believes and follows are:-

- Enhancing employability skills by conducting various training programs in communication skills, logical thinking, Group- discussions, Interview skills, in IT related skills (Fundamental and Advanced Programming Skills), Aptitude skills and domain specific skills through Finishing School Suite.

- **Mentoring System:** To solve the academic and administrative problems faced by students, and also to help in solving personal problems, if any. System is also responsible for maintaining overall discipline. Every faculty in each & every department will be allotted about 20 students and are monitored and counselled twice in a semester. Mentor will be in continuous interaction with the parents and keep updating about their wards performance in the college. Mentors also guide their students about the opportunities for higher education.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SVR ENGINEERING COLLEGE
Address	Ayyalur Metta, Ayyalur , Nandyal, Andhra Pradesh-518502
City	NANDYAL
State	Andhra Pradesh
Pin	518502
Website	www.svrec.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	P Mallikarjuna Reddy	08514-294445	9963435255	-	principal.am@jntua.ac.in
IQAC / CIQA coordinator	M Sivaramakrishnaiah	-	7382509510	-	mechhod@svrec.ac.in

Status of the Institution	
Institution Status	Private

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Andhra Pradesh	Jawaharlal Nehru Technological University, Anantpur	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	30-09-2015	View Document
12B of UGC	03-03-2022	View Document

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	04-07-2022	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	Ayyalur Metta, Ayyalur , Nandyal, Andhra Pradesh-518502	Rural	13.4	16046

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,Eee	48	Intermediate or Equivalent	English	60	35
UG	BTech,Civil	48	Intermediate or Equivalent	English	30	22
UG	BTech,Mech	48	Intermediate or Equivalent	English	30	20
UG	BTech,Ece	48	Intermediate or Equivalent	English	120	120
UG	BTech,Cse	48	Intermediate or Equivalent	English	120	120
UG	BTech,Cse Ai	48	Intermediate or Equivalent	English	120	120
PG	Mtech,Eee	24	B.Tech or B.E or Equivalent	English	24	3
PG	Mtech,Civil	24	B.Tech or B.E or Equivalent	English	24	8
PG	Mtech,Ece	24	B.Tech or B.E or Equivalent	English	18	0
PG	Mtech,Cse	24	B.Tech or B.E or Equivalent	English	24	16
PG	MBA,Mba	24	Under Graduation	English	120	40

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	11				8				105			
Recruited	11	0	0	11	6	2	0	8	81	24	0	105
Yet to Recruit	0				0				0			

Non-Teaching Staff						
	Male		Female		Others	Total
Sanctioned by the UGC /University State Government						0
Recruited	0		0		0	0
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						40
Recruited	18		22		0	40
Yet to Recruit						0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				26
Recruited	20	6	0	26
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/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	11	0	0	6	2	0	0	0	0	19
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	81	24	0	105
UG	0	0	0	0	0	0	0	0	0	0

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	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/LLD/DM/MCH	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
UG	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	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
UG	Male	771	0	0	0	771
	Female	491	0	0	0	491
	Others	0	0	0	0	0
PG	Male	87	0	0	0	87
	Female	47	0	0	0	47
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		Year 1	Year 2	Year 3	Year 4
SC	Male	35	36	28	46
	Female	13	15	12	16
	Others	0	0	0	0
ST	Male	0	1	3	6
	Female	1	5	3	1
	Others	0	0	0	0
OBC	Male	197	152	179	188
	Female	94	54	85	70
	Others	0	0	0	0
General	Male	99	70	74	82
	Female	96	53	45	74
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		535	386	429	483

Institutional preparedness for NEP

<p>1. Multidisciplinary/interdisciplinary:</p>	<p>The institution has kept pace with the development that has taken place in the engineering/technological education in the country and also across the globe. The faculty members are encouraging the students to seek out-of-the-box solutions for difficult engineering problems. A very vibrant club activity in the institute brings together students from different departments together to organize various learning activities. Thus in writing computer programming code, a Mechanical Engineering student joins hands with students from Electronics and Communication Engineering, Computer Science and Engineering, etc. In this manner, seeds of multidisciplinary education are sown. Conventional practice like modification of</p>
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	<p>syllabi takes place regularly. Application orientation in teaching adds multidisciplinary in the subjects. New courses are introduced, keeping an eye on the change in the marketplace and global demand. Thus in 2020-21, new course like Computer Science and Engineering (Artificial Intelligence) has been started in the institute. The college has made it mandatory for all the students to get involved in the Community Service Projects which carries 3 credits at the end of 5th Semester.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>The "Academic Bank of Credits (ABC)" is an educational digital platform created by Government of India, Under National Education Policy-2020 to facilitate students' seamless mobility between or within degree-granting Higher Education Institutions (HEIs) through a formal system of credit recognition, credit accumulation, credit transfers, and credit redemption in order to promote distributed and flexible teaching and learning. The ABC platform will provide students with the opportunity to register for a unique ABC ID, an interactive dashboard to see their credit accumulation, and options to begin a choice-based credit transfer mechanism. The institute has already started the implementation of ABC. Most of the students get registered themselves under ABC via National Academic Depository (NAD).</p>
<p>3. Skill development:</p>	<p>SVR Engineering College, focusses on Skill Development that enables students to acquire required competency levels. The college is implementing a curriculum and syllabus in the paradigm of Outcome Based Education (OBE), which focusses on Skill development and Outcomes of learning. The Institution is conducting capacity building programs and skill inculcating training programs to the third and final year students through Career Development Center (CDC). All the departments are organizing the events in such a way that students gets opportunities for experiential learning and skill development through internships, field-works, industrial visits, project works and hands-on learning methods. In order to provide value-based education, the college provides courses on Human Values & Professional Ethics, Indian Constitution, life-skills and code of conduct. In addition, day of importance are observed to inculcate the truth, justice, peace, love and non-violence. The college is also enforcing the students to involve in Community</p>

<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>Service Projects.</p> <p>“Knowledge of India” will include knowledge from ancient India and modern India, and a clear sense of India’s future aspirations with regard to education, health, environment, etc. In order to stimulate Indian Knowledge System, Arts and Culture, compulsory activities have been introduced through clubs like English Club, Painting club, Robotics Club, NSS etc. and through Group Discussions/Interactions in local language which will fetch extra credit to our students. Field trips are also introduced recently by us to local heritage sites which will boost and value our culture and traditions among students. As a part of having a healthy environment, SVREC intended to provide a clear sense of our environment by conducting various awareness programs inside and outside the campus and by having webinars and seminars.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>Outcome-Based Education (OBE) is a pedagogical model that entails the restructuring of curriculum, pedagogy and assessment practices to reflect the achievement of high-order learning, as opposed to a mere accumulation of course credits. While the traditional education system focuses on what is taught, OBE places emphasis on what is learned, which is a student-centric model. IQAC organized multiple faculty development programs on Outcome based Education (OBE). All the faculties of the college were trained in OBE. Based on the training, all courses were designed under OBE paradigm with Program Outcomes (PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) specified. The integration of OBE in curriculum has been introduced in 2019. During the student induction program, the students are given an orientation on Outcome Based Education paradigm and the Program Outcomes are explained to the students. The curriculum clearly states Program Outcomes(PO), Program Specific Outcomes (PSO) and Course Outcomes (CO) and teaching-learning pedagogy adapted at the institute ensures implementation of OBE to transform the youth into responsible citizens. The outcomes have been articulated in the college website. Every faculty explains the course outcomes of each course before the commencement of the same. The integration of OBE in Question Bank was introduced in 2020 and a notable initiative was the preparation of question</p>

	paper based on bloom's taxonomy. It enables the assessment of the students at cognitive levels namely remembering, understanding, applying, analyzing, evaluating and creating.
6. Distance education/online education:	SVREC is making use of ICT enabled tools in the teaching learning process, as suggested in NEP. As a result, most of the classrooms are provided with ICT enabled projectors and Wi-Fi connectivity. All the computer laboratories are equipped with 1:1 student to computer ratio while working, with computers having state-of-the-art configuration and LAN connectivity. While conducting a class, faculty members switch between projections and chalk-and-talk, as and when necessary, as all the classrooms are enabled with dual facilities. Adequate number of computers with internet connectivity are available in the Digital Library where students can access digital contents, e.g., IEEE Journals, NPTEL Courses, E-Books, Question Papers of previous years etc. During the COVID-19 pandemic from March-2020, in order to minimize the academic loss of the students, SVREC has successfully imparted all its course content delivery in online mode. Both students and faculty members have responded promptly in getting accustomed with the transition from traditional face-to-face teaching-learning process to online teaching-learning process.

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. Electoral Literacy Club was set up in 2019.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	The Institution has the ELC functional with the following office bearers S.No. Name Designation Functional Role 1. Mr. A.D. Siva Ram Kumar Asst. Professor, CSE ELC Coordinator 2. Mr. S.N. Pradeep Kumar Reddy Asst. Professor, ME ELC Additional Coordinator 3. Mr. P. Sudharshan Reddy EEE3rdYearStudent Student Coordinator 4 Mr. D. Pavan Kumar Civil Final Year Student Student Representative 5. Ms. P. Haritha CSE Final Year Student Student Representative
3. What innovative programmes and initiatives	Our students participated in Voter Awareness

<p>undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Campaigns aimed in educating the public in the near by villages.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>SVREC students have been participated in Election Web Casting process during the polling day during 2019 General Elections.</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The students above 18years who are to be enrolled as voters are sensitized about democratic rights which include casting votes in elections. We conduct mock polling activity to give the experience-based learning of the democratic setup. We also conduct poster presentation, debates, elocution, essay writing and other programs which create an awareness regarding electoral procedure.</p>

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1396	1295	1455	1470	1472
File Description		Document		
Upload Supporting Document		View Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 123

File Description	Document
Upload Supporting Document	View Document
Institutional data in prescribed format	View Document

2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
121	124	135	138	194

3 Institution

3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
376.31	186.27	228.75	260.34	424.34

File Description	Document
Upload Supporting Document	View Document

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

Response:

Schedules for all the Academic activities, carried out in a semester/ year are discussed and finalized by College Academic Committee (CAC) and IQAC in-line with the calendar released by the JNTUA.

Preparation of Academic Calendar:

The Institute is affiliated to JNTUA, Ananthapuramu and follows the Schedules and Curriculum prescribed by the University.

Academic Planning: A meeting is convened by Principal with CAC, IQAC, All the Heads of Departments, and finalizes the curriculum planning with the following points.

Teaching Load Distribution: The Teaching load (Theory and Practicals) is distributed among the faculty members. Distribution of Courses will be done according to their specialization and the choices given by the faculty.

Time Table: Time Table Committee prepares the Time tables as per the distribution of teaching/ tutorial hours allotted in the course structure by the University and department requirements.

Preparation for Course Delivery:

Faculty members are encouraged to participate in FDPs during the semester vacation in order to improve their Knowledge on latest technologies. Lesson plans are prepared by the subject teachers prior to the commencement of class work. Course files are prepared by all the faculty members with course objectives and Course Outcomes (COs). Course file includes Question Bank, Assignment Questions, University Question Papers, PPTs, course handouts along with Solutions and sessional Examination Question papers, etc.

Teaching Learning Process: Each department has its own Vision and Mission in alliance with the Institutional Vision and Mission. PEOs, POs and PSOs are defined for each program along with COs. To complement the conventional Teaching methods, the departments emphasize on following practices.

- Lectures from Industry experts
- Usage of ICT tools

- Visit to Industries for Practical Exposure.
- Organization of Conferences, Workshops, Seminars and Tech fests
- Study groups for courses are formed for peer-to-peer learning.
- Conduction of coaching classes for competitive exams.
- Implementation of Curriculum is as per the Academic plan.
- Academic Audit is conducted at Department and Institute level to verify the content of Course file, Evaluation Process and Laboratory Conduction.
- Academic feedback is taken from students and communicated to faculty for necessary corrective measures.

Reviews:

The coverage of syllabus and regularity of the students is periodically reviewed by the Academic in-charge followed by IQAC-Academic Audit.

Continuous Assessment:

As per the regulations of the affiliated university, the assessment is made in two ways:

1. Internal Assessment (30 Marks):

There are two internal assessment tests, the first one after eight weeks of the commencement of the semester and the second at the end of the class work, i.e., after sixteen weeks. The internal assessment includes descriptive test for 15 Marks, objective test for 10 Marks and assignment for 5 Marks.

2. External Assessment (70 Marks):

The external assessment is based on the semester end examinations conducted by the university.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.2 Academic Flexibility

1.2.1

Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)

Response: 100

File Description	Document
List of students and the attendance sheet for the above mentioned programs	View Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document
Evidence of course completion, like course completion certificate etc. Apart from the above:	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Other Upload Files

1	View Document
---	-------------------------------

1.2.2

Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

Response: 62.7

1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
908	827	1009	884	816

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.3 Curriculum Enrichment

1.3.1

Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

Response:

The curriculum offered by the university addresses the cross cutting issues like Gender, Environment and Sustainability, Human Values and Professional Ethics. The institute believes in maintaining healthy environment for all of its stakeholders.

Gender Sensitization:

Awareness programs on “Gender Sensitization” are being organized to create awareness among students about sensibility with regard to issues of gender in contemporary India. These help students to attain a finer grasp of how gender discrimination works in our society and how to counter it. Emphasis is given to provide accounts of studies and movements as well as the new laws that provide protection and relief to women. Sessions also empower students to understand and respond to gender violence.

Apart from this the institution established Women Empowerment Cell, Grievances Redressal Cell, ICC to provide counseling, promote gender equity and also deal with related issues of safety and security of students and lady staff as well to dissolve disputes/grievances among students and staff.

The Objectives of Women Empowerment Cell is:

- To provide and maintain a dignified, congenial working environment for women employees and students, where they can work, study and explore their potential to the fullest.
- To address issues faced by women at workplace and to organize awareness generation programs and to take preventive steps towards protection of women staff / female students from sexual harassment in the college.
- To provide opportunities and programs for female gender to be financially, mentally and emotionally empowered so as to promote their growth as individuals in their own rights.
- To help women students understand their strength and potential.

Human Values and Professional Ethics:

The course, on “*Universal Human Values*” was introduced by the JNTUA for all 2nd B.Tech Students with the following objectives:

- To help the student to see the need for developing a holistic perspective of life.
- To sensitize the student about the scope of life – individual, family (inter-personal relationship), society and nature/existence strengthening self-reflection.
- To develop more confidence and commitment to understand, learn and act accordingly.
- To help the students appreciate the essential complementarity between 'VALUES' and 'SKILLS' to ensure sustained happiness and prosperity which are the core aspirations of all human beings.
- To facilitate the development of a Holistic perspective among students towards life and profession as well as towards happiness and prosperity based on a correct understanding Human reality and the rest of existence.

Environment and Sustainability:

JNT University (JNTUA) has introduced a compulsory course in “*Environmental Studies*” for all 3rd B.Tech students to develop the sense of awareness on environment as mandated by UGC. It also gives an opportunity to the students to understand the importance of protecting natural resources, eco systems, ecological balance for sustainable development, impacts of developmental activities and mitigation measures and environmental policies & regulations. Institution encourages and supports students to go with plans of protecting the environment like planting saplings, generating best out of the waste and making plastic free campus.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

1.3.2

Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 59.03

1.3.2.1 Number of students undertaking project work/field work / internships

Response: 824

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

1.4 Feedback System**1.4.1**

Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website

Response: A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	View Document
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	View Document
Action taken report on the feedback analysis	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 71.12

2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
535	385	429	483	566

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
696	660	687	663	666

File Description

Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

2.1.2

Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

Response: 84.57

2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
340	262	312	327	370

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

2021-22	2020-21	2019-20	2018-19	2017-18
393	373	388	375	376

File Description	Document
Institutional data in the prescribed format	View Document
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	View Document
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule (Translated copy in English to be provided as applicable)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.2 Student Teacher Ratio

2.2.1

Student – Full time Teacher Ratio
(Data for the latest completed academic year)

Response: 11.54

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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

SVR Engineering College (SVREC) considers academics as the major focal point. SVREC follows student centric model, that targets to provide different learning aspects. Outcome Based Education (OBE) is a transformational method that focuses on evaluating the outcomes of the Programme by stating the knowledge, skill and behavior of a graduate. It emphasizes the design of curriculum, outcome based teaching-learning, assessment and evaluation. SVREC effectively implemented OBE through activity based learning that includes experiential learning, participative learning and problem solving methodologies.

Experiential Learning:

- Reinforcement learning among the students in SVREC is achieved through model based/practical oriented teaching. Apart from the regular laboratory sessions, mini projects in theory courses enable the students to develop working models demonstrating the skills of learning
- Exhibitions and Idea Presentation events conducted in the institution explore the practical potential among the students
- Industrial visits are regularly arranged to enhance the practical knowledge of the students where they get an exposure to relate the theory with the processes adapted in the industry. Visits to RTPP, ISRO, BSNL, Solar Power Plant, Power Grid are a few to mention
- Under the guidance of Career Development Cell (CDC), students undergo In-plant training during semester holidays and enrich their practical knowledge
- Field visits as part of theory course are arranged to appreciate the real time learning among the students
- Students are encouraged to participate in Group discussions, debates and anchoring which enable them to gain self-confidence, overcome stage fear and to acquire Management & Leadership skills.

Participative Learning:

- Students at SVREC showcase their self-learning capability by taking one credit courses, value added courses, SWAYAM/NPTEL courses and competitive examinations. Students have successfully completed the NPTEL courses with many Silver and ELITE certification
- Activities like group assignments, team work in laboratory sessions, developing prototype/working models ensures teamwork among the students
- Promotion of creativity and critical thinking among the students is accomplished through Professional Societies (like IEEE, CSI, IETE) and various clubs
- Students actively participate in many competitions like HACKTHON, Start Up Mania etc.,
- Innovative and Activity based teaching-learning methods followed at SVREC are Model-based, Interactive Sessions, Jig Saw, Role Play, Video based, Story Board, Demonstration and Think Pair Share enable the students to shift from competitive to competent environment

Problem Solving Methodologies:

- Objective type questions in higher level of thinking are given as tutorial / other assessment to focus on critical thinking
- Real time assignments and case studies enable the students to provide the solutions for real world

problems

- Collaborative learning model is adopted to enhance problem solving skills
- Simulation tools and Virtual labs are effectively used to provide hands on experience to students in analytical/ Problem Solving approaches

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

Percentage of full-time teachers against sanctioned posts during the last five years

Response: 100

2.4.1.1 Number of sanctioned posts year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
121	124	135	138	194

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.4.2

Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

Response: 11.52

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
19	14	15	14	20

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.5 Evaluation Process and Reforms

2.5.1

Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

Response:

The institute is affiliated to JNTUA and is functioning as per the regulations formulated by the university in all the matters related to syllabus, examination, evaluation and awarding of degree. University issues academic calendar for each year. According to the academic calendar of the University, the timetables are prepared. Transparency is maintained in the conduct and assessment of internal exams.

Mechanism of Internal/External Assessment:

Theory:

The schedule of first and second internal exams is intimated to the students well in advance. First internal examination is conducted after 8 weeks of commencement of the class work and second internal examination is conducted at the end of semester. The Internal examination question papers are prepared by the respective subject faculty.

Internal Examinations are conducted by the examination branch. Answer scripts are evaluated by the subject faculty member within three days of completion of exams and shown to the students. Finalized internal exam marks are displayed on the department notice board.

Assignment:

Each assignment consists of five questions and is given to each student well before the mid-term exams. Students by referring to various text books and other resources answer them and submit the same to the concerned faculty in time. The assignments are then evaluated by the respective faculty and are shown to the students to bring out discrepancies, if any. Evaluated assignment scripts are returned to the students for future reference and use.

Lab:

Weekly laboratory classes are conducted and day to day evaluation is carried out and the marks will be noted in the laboratory attendance registers as well as in the students' record book.

Project work

Three Project reviews will be conducted by the department project review committee, based on the rubrics framed by considering various parameters. Project evaluation and awarding of internal marks are based on the literature survey, scope of the project, proposed methodology, presentation skills and test results. University will assign examiners for project external viva-voce.

Technical Seminar:

According to the University curriculum, each Student has to give Technical seminar on latest topic. The performance of student is assessed based on the parameters like technical content, presentation skills and response to queries.

Mechanism to deal with internal/external examination related grievances

Mechanism to redress the internal/external examination related grievances is transparent and time bound. As per the University regulations, the students are informed about the weightage of internal and external marks in examinations before the commencement of class work.

Regarding internal examinations, after completion of exams, within a week, papers are distributed and if the students are having any grievances, it is brought to the notice of concerned subject faculty and HoD. Regarding the external examinations, at the time of release of results, University will mention the date within which students have to apply for revaluation or challenge valuation. This will be circulated to the students through Institution mechanisms.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website

Response:

The institution follows **Outcome Based Education (OBE)** in alignment with **National Board of Accreditation (NBA)** and accordingly, along with the 12 Program Outcomes (POs) defined by NBA, 2 to 4 Programs Specific Outcomes (PSOs) are framed for each Programme. The curriculum composition is carefully designed by JNTUA, an Affiliating University to attain the defined POs and PSOs. The Course Outcomes (COs) are formulated for all the courses (5 or 6 COs for theory courses, minimum of 3 COs for practical courses, 7 COs for theory cum practical courses and 5 COs for project works). As per the bloom's taxonomy, the COs are mapped with appropriate levels of Knowledge, Skill and Attitude domains (KSA) and in turn are mapped with appropriate POs in 3-point scale (3- substantial, 2- moderate and 1-slight). The COs of each course are discussed with the students at the beginning of each unit by the course faculty. Also, the COs are mentioned in the Internal Examinations.

The POs, PSOs and COs are published in the college website. The dissemination of the same to the stake holders such as Faculty, Students, Alumni, Parents and Employers are done as mentioned below:

- Displayed in College Website
- Course Plan given to the students at the beginning of each semester indicating POs, PSOs and COs
- Discussion in the Induction Programme
- Displayed in the department prominent places like: HOD Room, Class Rooms, Laboratories, Display Boards, Faculty rooms, Seminar Hall
-

Course Outcomes (COs), Program Outcomes (POs) and Program Specific Outcomes (PSOs) are evaluated through direct and indirect assessments.

Direct Assessment:

Threshold (Target) Value:

For internal exams = **55 %** of Max. Marks

For external exams = **45 %** of Max. Marks

Attainment level =) X100

CO attainment = 30% of Internal attainment + 70 % of External attainment

For each course, the level of attainment of each CO is compared with the predefined targets, and if the target criterion level is not reached, the course coordinator takes necessary steps for improvement.

Indirect Assessment:

The survey results from Graduates, Alumni, Employers, Course Exit Survey and assessment with respect to other co-curricular & extracurricular activities (from student portfolio) are recorded as attainment level of POs through indirect assessment.

Overall POs and PSOs Attainment:

The overall attainment values are calculated by considering 80% weightage to direct assessment and 20% weightage to indirect assessment.

The overall results from the assessments of the PO are compared with the expected attainment. The PO is considered satisfied on attainment of the expected level.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

In the Outcome-Based Education (OBE), assessment is done through more than one process, which is carried out by the institution that identifies, collects, and prepares data to evaluate the achievement of course outcomes (COs).

The attainment for each course outcome is generally divided into two types:

1. Direct Assessment method
2. Indirect Assessment method

The direct assessment is measured from internal assessment and external assessment.

The internal assessment for each course is done based on:

The direct method evaluates the student's knowledge and skills. It is based on students' academic performance in continuous internal assessment tests, seminars, classroom and laboratory assignments, semester examinations, etc. This method displays strong evidence of student's learning.

Indirect assessment is measured through course exit survey.

Process for measuring CO attainment:

1. 80% of formative and summative assessments are carried out to calculate the direct attainment of courses.
2. 20% of the Course Exit survey is considered to calculate the indirect attainment of courses.
3. 100% of course attainment is brought out by the comprehensive (direct and indirect) attainment of all the courses

The process used for setting course attainment benchmark values.

- The course-wise university grades for previous years were analyzed
- The course proficiency and the level of attainment are set by the course coordinator.
- The appropriate course target level for the entire Programme is set in the DAC Meeting.
- The set target level is revised in the DAC Meeting after the attainment of three consecutive batches is achieved.

Attainment of Program Outcomes and Program Specific Outcomes:

PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment.

Direct assessment is based on CO attainment, where weightage is given to attainment through university exams and internal assessments.

Indirect assessment is done through the Graduate exit survey and alumni survey.

Assessment Tools – PO/PSO attainment

1. Direct Mode: Course Attainment
2. Indirect Mode: Exit Survey

Frequency of evaluation: At the end of each Programme.

The process used for setting POs / PSOs attainment benchmark values:

- The target values for POs / PSOs attainment for the entire Programme are reviewed and approved by DAC Meeting considering POs / PSOs attainments of previous batches.
- The POs / PSOs target level is revised after the attainment of three consecutive batches are achieved.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

2.6.3**Pass percentage of Students during last five years (excluding backlog students)****Response:** 92.05**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
282	313	360	331	346

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
311	327	399	349	387

File Description	Document
Institutional data in the prescribed format	View Document
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	View Document
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

2.7 Student Satisfaction Survey**2.7.1****Online student satisfaction survey regarding teaching learning process****Response:** 3.71

File Description	Document
Upload database of all students on roll as per data template	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

Grants received from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

Response: 0

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects / endowments in the institution during the last five years (INR in Lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1

Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident

Response:

SVR Engineering College has created all necessary infrastructural facilities and a conducive environment to promote research activity in the campus. The faculty and students are given freedom to choose the research area of their choice and guidance is given to seek funding from various funding agencies and industries. The institute encourages the faculty by providing incentives for peer reviewed publications, writing books and filing patents.

Entrepreneurship Development Cell (EDC) was established in the year 2016 to inculcate innovation driven entrepreneurship. A questionnaire is administered to discover the career aspirations of the students. This enables EDC to identify the students with the interest to become entrepreneur. It was established so as to make the students aware about entrepreneurship and the incentive given by

government agencies. Over the years many activities were organized under the aegis of EDC that led to development of lateral thinking amongst students on creation, development, evaluation and analysis of business ideas. The EDC organizes guest lecturers to infuse entrepreneurial knowledge amongst the students. Industrial visits are also organized to acquaint students with practical knowledge. Apart from this, EDC regularly organizes seminars, awareness programs and workshops. The college by establishing EDC on its campus has paved the way for setting up an incubation centre in the years to come.

Objectives of EDC:

- To Channelize the knowledge and the energy of youth towards becoming the active partners in the economic development process of the Nation.
- To Catalyze and promote the development of knowledge-based learning and innovation-driven enterprises and promote employment opportunities among the students.
- To inculcate a culture of innovation driven Entrepreneurship.
- To act as an Institutional mechanism to provide various services including information on all aspects of enterprise building to budding Science & Technology entrepreneurs.

Incubation Centre:

The objective of setting up an incubation Centre is to give life to the student's ideas. These ideas could be implemented by efficiently utilizing the available resources. Faculty proactively guide and motivate the students to transform their ideas into reality.

Intellectual Property Rights Cell (IPR):

This cell organizes seminars and workshops for creating awareness on IPR, filing of patents, technology transfer, copyrights and its challenges, trademarks and advances in IPR in India.

Research and Development Cell:

It encourages students and faculty to carry out their research. In this regard, it conducts seminars and workshops to motivate the students and faculty fraternity by eminent academicians and industry representatives to enrich the knowledge in the concerned area. It also encourages students to visit research-oriented Labs

MOUs:

The institute has tie up with many industries as well as education Institutes to exchange knowledge in the form of guest lectures, workshops, seminars, Internships, certification training and Industry visits.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.2.2

Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

Response: 42

3.2.2.1 Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
10	8	10	6	8

File Description**Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.3 Research Publications and Awards**3.3.1**

Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 2.08

3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
80	74	59	43	0

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	View Document
Link to re-directing to journal source-cite website in case of digital journals	View Document
Links to the papers published in journals listed in UGC CARE list or	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.3.2

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

Response: 0.11

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

2021-22	2020-21	2019-20	2018-19	2017-18
9	2	0	1	1

File Description	Document
List of chapter/book along with the links redirecting to the source website	View Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.4 Extension Activities

3.4.1

Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

Response:

SVR Engineering College organizes a number of extension activities to promote institute-neighbourhood community and to sensitize the students towards society/community needs. The students of the college actively participate in social service activities leading to their overall development. The college runs effectively National Service Scheme Units. Through these units, the college undertakes various extension activities in the neighbourhood community.

NSS organizes a residential seven day camp in nearby adopted village and several activities were carried out by NSS volunteers addressing social issues which include cleanliness , tree plantation , Literacy, water conservation, Environmental awareness, Women empowerment, National Integrity, Aids awareness, Blood donation camp, Health check-up camp etc.,

Other than NSS unit, the various departments of the college are conscious about their responsibilities for shaping students into responsible citizens of the nation by making students

aware of social issues through various programmes like Environmental Awareness, Personal Health and Hygiene, Diet awareness, Road Safety, Tree Plantation, Soil and Water Testing, Plastic eradication, organizing visit to Orphanages, Voters awareness, Blood group detection ,Health check -up camps, Blood donation camps etc.,

The extension activities have positive impact on the students and helps to build student Community relationship, leadership skills and self-confidence of students. It also helped in cultivating hidden personality of students and creation of awareness among students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.2

Awards and recognitions received for extension activities from government / government recognised bodies

Response:

SVREC has carried out various extension activities outside the campus – in and around Nandyal city and has received various rewards and appreciation letters from government and non-government agencies. The students of the institution with the support of faculty members have carried out various activities.

The prime objective of carrying out the extension activities is to enable the student community to be

socially responsible. Possessing an attitude of service is considered essential for professional by the institution. The extension activities are carried out in multirole way through various agencies which include NSS, Hobbies Club, Department Club, Professional Club and Technical Club.

The activities carried out by the institution for which recognition are extended are herewith described in brief:

The students of SVREC have carried out various social service programs which include medical camps in surrounding rural areas, student personality development programs in municipal and panchayathi schools to the students of 8th to 10th standard, donating blood to the needy in times of emergency.

The Institution has received Awards and Recognition for its involvement in extension activities from Government and Government recognised bodies. During the last five academic years the staff and students of the Institution has donated 320 units of blood to the Society.

In a similar way various other government and government agencies also involve the students of the college in their respective service activities.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

3.4.3

Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.

Response: 19

3.4.3.1 Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
6	2	4	7	0

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	View Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

3.5 Collaboration

3.5.1

Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.

Response: 22

File Description	Document
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	View Document
List of year wise activities and exchange should be provided	View Document
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

- **teaching – learning, viz., classrooms, laboratories, computing equipment etc**
- **ICT – enabled facilities such as smart class, LMS etc.**

Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)

Response:

SVREC has a sprawling campus in 13.40 acres of land with adequate infrastructure and sufficient supporting facilities for carrying out administrative, academic, curricular, co-curricular and extra-curricular activities. The college has enough space, satisfying the norms of AICTE, the approval body and JNTUA, the affiliating authority for the smooth and effective conduct of academic activities.

All the departments have sufficient number of Class-rooms with ICT facilities, HOD room, faculty rooms and department libraries. The college has Language Lab for students to improve their communication skills. One Workshop and 50 laboratories with advanced software and equipment are provided conforming to the syllabi norms. Exclusive Computer centre with 140 computers is available to facilitate online examinations.

Two air-conditioned seminar halls are provided with LCD projectors, public address systems which are utilized for conducting guest lectures, conferences, symposiums, FDPs and STTPs. One open-air theatre which can accommodate more than 2000 people exists in addition to the seminar halls. It is used to conduct various cultural and extracurricular activities.

Central Library supports the Institution in realizing its primary goal of imparting quality technical education. The library has automated all its activities to provide better, effective and immediate services to user fraternity.

The research centre is also established to encourage and enable the students and faculty to analyze and carryout research-oriented projects in various emerging areas.

Separate examination cell with high speed internet facility to enable online distribution of examination papers, servers, Xerox machines, Printer along with adequate stationary required for the conduct of internal and external Examinations.

College has well equipped 160 KVA Generator that can support uninterrupted power supply. Generator facility is given to each and every corner of the college, which includes laboratories, class rooms, library, hostels, canteen, etc.

An exclusive Career Development Center with necessary infrastructure to conduct mock interviews and

group discussions is available for the conduct of training and placement activities. Career counseling is also provided to guide the students with regard to employment and higher education after completion of graduation at the campus.

SVREC believes that a healthy body leads to an active mind and thus strives to provide students with state of art facilities to learn and practice sports. The college has adequate facilities for indoor & outdoor sports, games, gymnasium, yoga centre etc., and cultural activities. Two volleyball courts, a throw ball court, a tennikoit court and shuttle court are available in the campus. Facilities are also available for playing games like cricket, football, and hand ball.

Every year on 21st June, the International Day of Yoga is celebrated where all the students and faculty proactively participate.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.1.2

Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

Response: 41.29

4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
170.7	56.9	70.35	79.28	232.15

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.2 Library as a Learning Resource

4.2.1

Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students

Response:

Response

The Central Library of SVR Engineering College is housed in spacious room with a carpet area of 505 square meters with a rich collection of books, scientific and technical journals in addition to a vast collection of electronic resources. The central library comprises reference, circulation, periodical, reprographic and newspaper sections and digital library. The library has fully automated all its activities to provide better, effective and immediate services to user fraternity using E-Cap software (Integrated Library Management System). The installed software has functionalities that enable a library to manage its housekeeping operations, viz., acquisition of books and other materials, creation and maintenance of its catalogue database, circulation of its holdings, etc.

The reading room capacity is for 150 students. A total of 26051 volumes, 3293 titles, 44 National Journals, 11 Inter-National Journals, 15 magazines and e-journals are available along with newspapers. All the books are bar-coded and bar-code laser scanners are used in circulation counter for book transactions. Each student is issued 4 textbooks for a borrowing period of 14 days, on renewal basis. Security of library resources is maintained with constant checking. Prompt entry-exit time is maintained. Strict surveillance of the complete library is done through CCTV cameras. The college central library has subscriptions to various e-resources such as DELNET, KNIMBUS, and N-List (e-ShodhSindhu).

Digital Library

The digital library is an additional facility for the benefit of the students and faculty, consisting of NPTEL video lectures by many IIT and NIT professors, PPTs, course material files, e-journals, e-books,

GATE books, handbooks, projects, PDF notes, instructional guides, CDs etc. This center is air-conditioned, equipped with 30 multimedia systems, laser printer and scanner with a seating capacity for 32 users. Direct access to online journals is available for staff and students to know and learn the latest developments in the technology.

Total area of library	505 Sq. meters
Total seating capacity	150
Average number of walk-ins per day	110
Average number of books issued/ returned per day	80
NPTEL Videos	4600

OPAC (Online Public Access catalogue)

Library website Included in college website	Yes
In house / remote access to e-publications	Yes
Library automation	Yes
Total number of multimedia systems for public access	32
Total number of printers for public access	01
Total number of scanners for public access	01
Internet bandwidth dedicated to library	100 mbps

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3 IT Infrastructure

4.3.1

Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection

Describe IT facilities including Wi-Fi with date and nature of updation, available internet bandwidth within a maximum of 500 words

Response:

RESPONSE

SVREC is very keen on updating IT facilities such as internet bandwidth, the configuration of computers, laptops, LCD projectors, ICT facilities, etc., to provide state of the art infrastructure to cater to needs of students. The institution gives top priority to the state of the art infrastructural facilities to enrich and facilitate effective teaching-learning process.

At the beginning of the academic year, the requirement for replacement and updating of existing IT accessories and the purchase of new equipment is collected from each department. The institute is very

Keen on upgrading internet bandwidth from time to time. Currently, internet bandwidth is increased to 300 Mbps to provide fast internet access. Wi-Fi facility is provided to all HODs, faculty and students.

At present, the institute has 458 systems in various laboratories to meet the requirements of curriculum and content beyond the curriculum to make them contemporary and industry-ready. Currently, the configuration of computers is upgraded significantly, where out of 458 systems, 348 number of systems

are upgraded to i3 and 110 number of systems are upgraded to i5 configuration to meet the technological advancements. In addition to this, all CRT monitors are completely replaced with LCD monitors. In order to provide security from unauthorized users, we are using the Sophos firewall to prevent illegal access to the internet.

All departments have scanners cum printers. The Exam branch has a high-speed multi tray scanner cum Printer. A scanner cum printer is available in Principal, all HODs, and other higher administrative officials. A laser printer is available in all the departments to take printouts. Computer labs with the latest software and Internet facility are available to the students. Hardware and software updating is in line with the demand of the latest syllabus as well as students' feedback.

Face Recognition enabled Bio-metric Attendance System has been effectively implemented in the institution. CCTV cameras have been installed in all the prominent and required venues to achieve 24x7 campus surveillance.

Since the IT field is continuously evolving at a fast pace, the dedicated Network team is focused on upgrading the IT facilities so as to provide the best of the facility to the students. The maintenance of computers, and installation of software are done by programmers whereas, hardware and internet related issues are handled by hardware and networking professionals.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

4.3.2

Student – Computer ratio (Data for the latest completed academic year)**Response:** 3.05**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

Response: 458

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

4.4 Maintenance of Campus Infrastructure**4.4.1**

Percentage expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, during the last five years (INR in Lakhs)

Response: 48.26**4.4.1.1 Expenditure incurred on maintenance of infrastructure (physical facilities and academic support facilities) excluding salary component year wise during the last five years (INR in lakhs)**

2021-22	2020-21	2019-20	2018-19	2017-18
190.97	112.33	144.55	122.96	141.54

File Description	Document
Institutional data in the prescribed format	View Document
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years

Response: 74.05

5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
978	890	930	1247	1204

File Description

Document

Year-wise list of beneficiary students in each scheme duly signed by the competent authority.

[View Document](#)

Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).

[View Document](#)

Upload policy document of the HEI for award of scholarship and freeships.

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.1.2

Following capacity development and skills enhancement activities are organised for improving students' capability

- 1. Soft skills*
- 2. Language and communication skills*
- 3. Life skills (Yoga, physical fitness, health and hygiene)*
- 4. ICT/computing skills*

Response: A. All of the above

File Description	Document
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	View Document
Report with photographs on ICT/computing skills enhancement programs	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.1.3

Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

Response: 80.6

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

2021-22	2020-21	2019-20	2018-19	2017-18
1114	990	1158	1221	1230

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.1.4

The institution adopts the following for redressal of student grievances including sexual harassment and ragging cases

- 1.Implementation of guidelines of statutory/regulatory bodies**
- 2.Organisation wide awareness and undertakings on policies with zero tolerance**
- 3.Mechanisms for submission of online/offline students' grievances**
- 4.Timely redressal of the grievances through appropriate committees**

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof related to Mechanisms for submission of online/offline students' grievances	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Details of statutory/regulatory Committees (to be notified in institutional website also)	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

Percentage of placement of outgoing students and students progressing to higher education during the last five years

Response: 59.11

5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
139	160	174	222	265

5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
283	310	358	331	342

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	View Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2.2

Percentage of students qualifying in state/national/ international level examinations during the last five years

Response: 10.66

5.2.2.1 Number of students qualifying in state/ national/ international level examinations year wise during last five years (eg: IIT/JAM/NET/SLET/GATE/GMAT/GPAT/CLAT/CAT/ GRE/TOEFL/ IELTS/Civil Services/State government examinations etc.)

2021-22	2020-21	2019-20	2018-19	2017-18
02	02	11	24	29

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.3 Student Participation and Activities

5.3.1

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

Response: 9

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	4	3	2

File Description**Document**

Upload supporting document

[View Document](#)

list and links to e-copies of award letters and certificates

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

5.3.2

Average number of sports and cultural programs in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 9.6

5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
13	8	7	11	9

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

5.4 Alumni Engagement

5.4.1

There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

Response:

The Institute has a registered Alumni Association for building strong bond between alumni and present students. The alumni give support to the students through interaction, financial funding, guidance and placements. The Alumni Association of the Institute is named as *SVR Engineering College Alumni Association (SVRECAA)*. This was registered under Societies Act XXI of 1860 with Society No. 140 in on18th February 2021. The office headquarters of *SVRECAA* is in the premises of SVR Engineering College. The mission of the Alumni Association is to foster a mutually beneficial relationship between the Institute and its alumni.

Objectives of the Alumni association:

1. To encourage and promote close relations between the Institution and its alumni and among the alumni themselves.
2. To promote and encourage friendly relations between all members of the alumni body, an interest in the affairs and well-being of the Institution.
3. To provide and disseminate information regarding their Alma Mater, its graduates, faculties and students, to the alumni.
4. To assist and support the efforts of the Institution in obtaining funds for development.
5. To serve as a forum through which alumni may support and advance the pursuit of academic excellence at the Institution.
6. To guide and assist alumni who have recently completed their courses to obtain employment and engage in productive pursuits useful to society.
7. To organize and co-ordinate reunion activities of the Alumni and let the Alumni acknowledge their gratitude to their Alma Mater.
8. To collect, publish and distribute such information as may be useful to the alumni and their Alma Mater.

Activities and Contributions:

- Alumni have donated funds to assist the Poor & Merit students of the Institution.
- Alumni are included as members in IQAC. They are invited for meetings at the college and they interact with their teachers and express their suggestions on curriculum.

- Few Alumni gave Guest lecturers to the existing students on some contemporary technological developments.
- Alumni meets were conducted in 2017, 2018 and 2020.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.

Response:

VISION

To produce Competent Engineering Graduates & Managers with a strong base of Technical & Managerial Knowledge and the Complementary Skills needed to be Successful Professional Engineers & Managers.

MISSION

To fulfill the vision by imparting Quality Technical & Management Education to the Aspiring Students, by creating Effective Teaching/Learning Environment and providing State – of the – Art Infrastructure and Resources.

CORE VALUES

- Commitment to Continual Improvement
- Inclusiveness
- Enhancement of Student Learning through Innovative Instructional Methods
- Collaboration with Industry and other Institutions for Mutual Benefits
- Pursuit of Excellence in all Activities

The pursuit of excellence as articulated in the Vision, Mission statements and Core Values is reflected in the academic and administrative policies and programmes of the College.

Decentralization and Participation in the institutional governance

The Institute supports the trend of decentralized and participative governance system with proper well defined inter-relationships. The institute has three main committees i.e., Governing body (GB), College Academic Council (CAC) and IQAC. Regular meetings of these committees are held for the effective and smooth functioning of the institute.

The governance of the institute is steered by the Board of Governors (BoG) who frame policies, procedures, and plan the mission of the institute with an objective to realize the institutional vision. The members of the body are dedicated eminent personalities such as educationists and industrialists. It meets

twice in a year to review the academic activities and the strategic plans. The approvals from the College Academic Council, IQAC and finance committee are deliberated and necessary budgets are earmarked for smooth functioning. Suggestions from all stakeholders are considered in the institutional building processes.

The College Academic Council with all the heads of departments as its members, takes major academic decisions. The Principal convene the meeting of the College Academic Committee (CAC) twice a semester. It oversees the academic affairs of the college and makes recommendations to the Principal about academic programs and strategic priorities.

IQAC committee is also constituted with senior faculty members who work together along with CAC & BoG for designing and preparing applications of the quality policy and plans. It takes the responsibility to initiate, plan and supervise various activities that are necessary to improve the quality of the education imparted in an institution.

Various committees with the faculty and students as members are formed in the College for the smooth and efficient management of activities. Since many faculty members are the members of these committees, this also gives them an opportunity to develop their skills in administration and decision making. Each year, committees are duly constituted by the Principal in consultation with the heads of various departments.

All the staff members actively participate in implementing the policies, procedures, and framework designed by the management in order to maintain and achieve the quality standards and achieve vision and mission of the institution. Office staff is involved in executing day to day support services for students and faculties.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc

Response:

Response:

The college has a well-structured administrative and academic setup to consistently improve the quality and standards of the education transmitted and to achieve excellence. A hierarchical cluster was created

from top management to down the level clearly demarking the duties, responsibilities, accountability and powers at every stage.

Governing Body of the Institute is the main authority for making college policies. Governing body responsibilities include considering and approving the Appointments, Service rules, Institutional Strategic plans, Academic Aims and Objectives. It also formulates Financial, Physical and HR strategies.

The SVREC Service rules are well formulated, taking into consideration the various aspects and aspirations of the teaching and non-teaching staff. The main objective is to attract persons with missionary zeal and to retain the well-qualified and talented staff in all disciplines, with the ultimate object of imparting high standard and quality education in the field of Engineering and Technology. The service conditions are aimed to encourage the employees to take sincere interest and pride in the Institute and its progress and to put their best talents in the discharge of their responsibilities.

The institution has the following committees/cells to ensure the execution of all activities effectively and efficiently:

1. College Academic Committee
2. Internal Quality Assurance Cell (IQAC)
3. Finance Committee
4. Women's Empowerment Cell
5. Grievance Redressal Committee
6. Entrepreneurship Development Cell
7. SC / ST Committee
8. Examination Committee
9. Library Committee
10. Alumni Committee
11. Website and Social Media Committee
12. Anti-Ragging Committee
13. Training and Placement Committee
14. Co-Curricular and Extra Curricular Activities Committee
15. Canteen Committee
16. Internal Complaints Committee
17. Discipline Committee
18. Admissions Committee

The following are the salient features of the Institutional Strategic Plan:

1. To get all programmes as well as the Institution accredited by NBA and NAAC.
2. To attain greater visibility both nationally and internationally amongst the stakeholders.
3. To nurture innovation, creativity, research and experiment, cross fertilization of thoughts and ideas

- 4.To have 50% faculty withdoctoral degree within next five years.
- 5.To provide the state-of-the-art infrastructure, world class ambience and ethical work culture.
- 6.To Promote R&D and Consultancy through strong Industry Institute Interaction to address the societal problems
- 7.To Nurture the students holistically and make them competent to excel in the global scenario
- 8.To Fostering human values and all-round development

File Description	Document
Upload Additional information	View Document
Institutional perspective Plan and deployment documents on the website	View Document
Provide Link for Additional information	View Document

6.2.2

Institution implements e-governance in its operations

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

Response: B. 3 of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-

teaching staff and avenues for career development/progression**Response:****Welfare measures for Teaching and non-teaching staff:****The following welfare measures are implemented for teaching and non-teaching staff:**

1. Ph.D. increments to Teaching staff
2. Study leave to pursue Ph.D.
3. On-Duty for attending programmes such as FDPs, STTPs, Workshops etc.,
4. Financial assistance for attending FDPs and workshops.
5. Group Accident Insurance Policy (New India Bharat Sookshma Udyam Suraksha Policy)
6. Subsidized transport facility for Teaching Staff
7. Free transportation facility for all the non-teaching staff
8. Subsidized Canteen facility for both teaching & non-teaching staff
9. Employee Provident Fund (EPF) Scheme is implemented to all the eligible staff members (as per PF Rules)
10. Fee Concession to the Children of Faculty and non-teaching staff.
11. Fifteen Casual leave per year and three permissions (of one hour) per month are allowed for faculty members
12. Incentives for producing 100% pass percentage in the University exams.
13. Best Performance Awards given during women's day celebrations.
14. Sports events are conducted for faculty on sports day and prizes are awarded.
15. Twice a year, Breakfast and Lunch will be hosted by the management for the teaching as well as non-teaching staff along with their families on the occasion of Chairman/MD birth days/Annual Day.
16. Uniform is provided for supporting staff and Security personnel at free of cost.

Performance Appraisal System for teaching and non-teaching staff

The teachers performance is appraised through his/her involvement in research related activities, implementation of innovative methodologies in classroom lectures, seminars, tutorials, course delivery, question paper setting and evaluation, updating of materials etc., Besides, student feedback and pass percentage of the course are also considered.

SVREC conducts appraisals to have a systematic evaluation of employee performances. This performance appraisal is an annual review of employees to assess their job performance and contribution to the organization that help in evaluating and identifying skills, growth, achievements, and shortcomings of an employee. This method is a systematic assessment where faculty is rated on a scale of 85 points.

1. Teaching Learning and Evaluation - 50 Points
2. Research Activities - 15 Points
3. Professional Upgradation - 20 Points

At the end of each academic year, the data about the above categories are collected from each faculty

member. These points are used for the award of career advancements to faculty members and for promotion to next higher position.

Performance appraisal system for non- teaching staff:

As such there is no performance appraisal system followed for non-teaching staff in the institute.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.3.2

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

Response: 60.25

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

2021-22	2020-21	2019-20	2018-19	2017-18
95	109	98	76	51

File Description	Document
Policy document on providing financial support to teachers	View Document
Institutional data in the prescribed format	View Document
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	View Document
Audited statement of account highlighting the financial support to teachers to attend conferences / workshops and towards membership fee for professional bodies	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.3.3

Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

Response: 56.47

6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
91	68	88	93	118

6.3.3.2 Number of non-teaching staff year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
25	21	20	21	12

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	View Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

6.4 Financial Management and Resource Mobilization**6.4.1**

Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits

regularly (internal and external)**Response:**

The institution mobilizes funds and use the optimum resources of the fund effectively throughout the years. The funds are mainly self-sufficient for the academic and research related activities of the Institution. The source of income is mainly generated from the students' fees. The fee collected from students is used for academic development activities of the College. The hostel fee is collected from hostel students and is used for the maintenance of Hostel.

The Institution has established a mechanism for conducting internal and external audits on the financial transactions every year to ensure financial compliance.

The mechanisms used to monitor effective and efficient use of financial resources are as below:

- Before the commencement of every financial year, principal submits a proposal on budget allocation, by considering the recommendations made by the heads of all the departments, to the management.
- College budget includes recurring expenses such as salary, electricity, internet charges, maintenance cost, stationery, other consumable charges etc., and non – recurring expenses like lab equipment purchases, furniture and other development expenses.
- The expenses will be monitored by the accounts department as per the budget allocated by the management.
- The depreciation costs of various things purchased in the preceding years are also worked out.

Process of the internal audit:

The income and expenditure of the institution will be verified by the Managing Director and the Accountant on daily basis. Accountant and Assistant Accountant will check cash ledgers on daily basis. Funds received from various agencies are properly accounted, vouched and verified in the college office and finally checked by the Managing Director.

Internal auditor appointed by the Management audits all the financial transactions of the college.

Process of the external audit:

The accounts of the college are audited by chartered accountant regularly as per the government rules. The auditor ensures that all payments are duly authorized after the audit, the report is sent to the management for review. Any queries, in the process of audit would be attended immediately along with the supporting documents within the prescribed time limits. The institution did not come across with any major audit objection during the preceding years.

Audit for Government Funds

The expenses made from the various grants received from Central, State governments and JNTUA under various schemes are audited by the Chartered Accountant appointed by the college and relevant

Utilization certificate duly signed by the Principal and the Chartered Accountant are sent to the authority concerned.

All these mechanisms exhibit the transparency being maintained in financial matters and adherence to financial discipline to avoid defalcation of funds or properties of the institution at all levels. The audited statement is duly signed by the authorities of the management and chartered accountant.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities

Response:

Response:

The Internal Quality Assurance Cell (IQAC) of the college was established in the year 2016 that works towards improving and maintaining the quality of education, identifying and suggesting new ways of using teaching aids, developing suitable infrastructure. IQAC is an effective and efficient internal coordinating and monitoring mechanism. The IQAC plays a vital role in maintaining and enhancing the quality of the institution and suggests quality enhancement measures to be adopted. The IQAC meets every quarterly to plan, direct, implement and evaluate the teaching, research, and publication activities in the College. The IQAC strives to spread quality culture through quality enhancement initiatives and best practices. Significant improvements in quality have been made by institutionalizing the following IQAC initiatives: Strategic planning of key areas and assigning responsibilities -

1. Academic results
2. Student technical training
3. Student soft skills development

4. Placement support
5. Faculty development programs
6. Research and development
7. Interaction with industry
8. NBA/NAAC accreditation

Monitoring and mentoring of academic and administrative activities. Academic inspections are carried out periodically to assess the quality of academics.

The inspections involve:

1. Review of healthy academic practices
2. Mechanisms to identify and reform academic practices
3. Review of departmental facilities
4. Facilitate implementation of innovative methods in the departments
5. Self-development of faculty members

IQAC has contributed significantly for institutionalizing the quality assurance strategies and processes, the following three are the results of IQAC initiatives:

1. Teaching Learning process – Outcome Based Education (OBE)

Outcome based education (OBE) system has been implemented towards strengthening the learning potential of students. In this OBE implementation, major deficiencies in the traditional educational system have been eliminated. The implementation of Outcome Based Education in the teaching learning process produced the following benefits in comparison to the traditional teaching learning process.

- Flexible and holistic curriculum development process with stakeholders' participation
- Significant skill development among the learners
- Measure of learner's actual performance
- Learner-centered classroom approach rather than Teacher-centric
- Activity-based curriculum in which the teacher performs and the learner manipulates
- Collaborative and blended learning
- Emphasis on much needed soft skills like communication skills, interpersonal skills, analytical skills, working attitude

1. The Institute IQAC planned, organized and executed the necessary steps that included the preparation of detailed quality manuals, identification of key performance indicators and mapping the various processes across the entire functioning of the Institute, which finally led to the successful award of the ISO 9001:2015 certification.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented**
- 2.Academic and Administrative Audit (AAA) and follow-up action taken**
- 3.Collaborative quality initiatives with other institution(s)**
- 4.Participation in NIRF and other recognized rankings**
- 5.Any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA etc.**

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years.

Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words

Response:

Response

SVR Engineering College sensitizes students and employees regarding gender equity and takes the social responsibility of reacting to the events happened in the society by various activities. The institute promotes gender equity in admissions, recruitment, administrative functionality and academic activities.

Measures initiated by the institution for the promotion of gender equity during last five years:

1. Girls waiting halls were provided in each block in the campus with the required facilities.
2. Separate Computer Lab is provided in Girl's hostel for practicing in the leisure time.
3. Women Sanitary Napkin Vending Machine is provided in Girl's hostel.
4. Separate space is provided for girls in the central library and the college canteen to avoid inconvenience.
5. The girl students are nominated as members of various committees at department, institute levels and the institute encourages their participation in co-curricular and extra-curricular activities.
6. During orientation programs and other events, awareness is created on gender equity among the students. Boys are sensitized to participate in Rangoli competitions or to respond to **NIRBHAYA** and **DISHA** incidents.
7. The institute celebrates Women's day in a grand manner and presents success stories of famous women to inspire the girl students and to make them understand their potential.
8. Women Empowerment Cell has been established to empower girl students, to enhance understanding of issues related to women and to make the college campus a safe place for women students.
9. Internal Complaints Committee (ICC) has been constituted under the policy, prevention and punishment for sexual harassment of women at workplace.
10. The institute has a policy of appreciating faculty without gender bias. Women faculty are nominated, based on their ability, as heads of the departments and conveners of various committees and discharging their duties efficiently.
11. The management has provided Exclusive bus facility for girls students and female faculty
12. Both the Boy and Girl student from each class is appointed as Class Representative

Festivals like Holi, Dipawali, Dussehra, Sankranti, and Ugadi are also celebrated in the campus. . SVREC also organizes the celebrations of college Fests like Cultural and Technical Fest. In addition to that, our Institution also celebrates the birth and death anniversaries of great Indian personalities and

takes that opportunity to educate our students of those great people and to appreciate their work.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.1.2

The Institution has facilities and initiatives for

- 1. Alternate sources of energy and energy conservation measures**
- 2. Management of the various types of degradable and nondegradable waste**
- 3. Water conservation**
- 4. Green campus initiatives**
- 5. Disabled-friendly, barrier free environment**

Response: A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document
Bills for the purchase of equipment's for the facilities created under this metric	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.3

Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

- 1. Green audit / Environment audit**
- 2. Energy audit**
- 3. Clean and green campus initiatives**
- 4. Beyond the campus environmental promotion activities**

Response: A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	View Document
Policy document on environment and energy usage Certificate from the auditing agency	View Document
Green audit/environmental audit report from recognized bodies	View Document
Certificates of the awards received from recognized agency (if any).	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

7.1.4

Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)

Response:

Response:

The Institution has an inclusive Environment which is appreciated and valued by creating an atmosphere that promotes a sense of belongingness. Each person is respected and valued for their uniqueness and their skills are utilized. The people are valued and encouraged to participate in campus cordial environment.

- The Institution observes equality of all cultures and traditions as it is evident from the fact that students of different Caste, Religion and Regions are studying in the college without any discrimination.
- Equal opportunities are provided to the students to participate in various activities conducted irrespective of their Caste, Creed, Religion and Region.
- The Institution has NSS unit to inculcate a sense of Unity, Discipline and Harmony.
- Anti-ragging cell acts as a key factor to maintain the tolerance and harmony among students. A single incidence of ragging has not been reported. Grievances Redressal Committee addresses the grievances among the students to maintain harmony in the college.
- Girls are encouraged to take up leadership roles and participate in all student activities.
- Under different clubs existing, which organize Plays, Skits and Competitions, educates the students and makes them aware of social responsibilities.
- Institution promotes cultural fests like Sankranti Sambaralu, Semi-Christmas Celebrations and Ramzan Celebrations.
- Students are encouraged to participate in various Co-curricular and Extra-curricular activities to

make them mingle with one another and share their opinions.

- Institution conducts Aptitude and General knowledge classes for the students to help them appear for competitive exams.
- Central Library has a facility to issue books from book bank to SC/ST students supplied by the social welfare department.
- Commemorative days like Women’s Day, Teachers’ Day, Yoga Day and other National days are also celebrated. Conduction of such events helps in promoting Regional, Linguistic, Communal socio economic and other diversities.
- National festivals like Republic Day and Independence Day are celebrated every year to instill a sense of national pride and belongingness.
- The Constitution Day, to commemorate the adoption of the Constitution of India is celebrated on 26th November every year. Seminars and events such as Debate, Elocution and Quiz are conducted to make students aware of our constitution.
- Voters Day is celebrated on 25th January every year to create Awareness on “Importance of Right to Vote”.
- SVREC sensitizes the students and the employees of the institution to the constitutional obligations about values, rights, duties, and responsibilities of citizens which enables them to conduct as a responsible citizen.
- The affiliating University (JNTUA) curriculum is framed with mandatory courses like Constitution of India, Professional ethics and human values, Universal Human Values as a small step to inculcate constitutional obligations among the students.

File Description	Document
Upload Additional information	View Document
Provide Link for Additional information	View Document

7.2 Best Practices

7.2.1

Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual

Response:

Best Practice – 1

Title of the Practice: The Finishing school Suite

Objectives of the Practice

The Finishing school Suite modules are well organized for pre-final and final year students to get placed them in industries and corporate. To define the overall structure & processes of the Student Career Development Policy and to structure the roles & responsibilities of the teams working on this process at

Career Development Centre.

The policy will ensure that

- Maximum number of deserving students get campus placement to start their career in their chosen domain and the chosen company.
- The quality standard of the jobs is maintained.
- The whole team works according to the defined processes to achieve the common objective.

The Context

The institute believes that a motivated workforce (Staff and Students) can be a significant factor in institute's success. When staff and students are motivated to work at higher levels of their skills and abilities, the institute as a whole runs more efficiently and is more effective at achieving its objectives and goals.

The Practice

A specific recruitment training program was organised for pre-final and final year students and named as Project 21 and It was a residential program as the title suggests it was a 21 day long project. During this project the students were made to stay at the college hostel for 21 days for an effective output of the training. The idea of running a 21 day continuous training classes that included programming, aptitude and communicative English was conceived by the CDC department. The students not only focused on their preparation but also were made to focus on their personal growth as an individual.

The regular academical classes of the students were not disturbed and after the regular college the campus recruitment training would start at 4:30 in the evening with an aptitude class followed by communicative English class. The day would end around 8:00 pm after an assessment session. Little recreational activities like evening group talks, movies, physical activities, management games, Fun trip and open sky dinner were also organized to keep the students motivated and driven.

Evidence of Success

We have witnessed huge improvement in the personal and technical skills in the students after the **The Finishing school Suite**. We observed a huge difference in their communication skills, their attitude in facing the interviews and confidence levels of individuals. Many parents have also given good testimonials for supporting their wards throughout their journey to good placements and training them to being a responsible citizen. Year by year we observe an considerable increase in the placement and also the recruitments in reputed companies with a very good package.

Problems Encountered and Resources Required

The Finishing school Suite is a high priority practice in SVREC , Still it faces certain problems which the management strives to solve increasing demand for Competent faculty with updated soft skills and technical skills needed to train the students and assist in pre placement training.

Best Practice-2

Title of the Practice:

MENTORING SYSTEM FOR STUDENTS

Objectives of the Practice

To minimize dropouts, improve performance and reduce stress of the students through personal counseling.

The Context

Students undertake various problems of stress- personal, academic, physical, mental. Engineering education is a time spring course with time boundaries to complete their work especially during the first two years. Students are new to professional college life and the demands of education; create a lot of stress, especially to hostel students who are away from their family for the first time. Also, in the economically weaker students and students from educationally weak background, this creates a lot of complex and they can't perform well due to inhibitions. Statistics reveal increasing number of suicides or dropouts due to this reason. Considering the student- teacher ratio in classrooms, it is impossible at times to give personal attention to students in class. One solution therefore is assigning a "Mentor" who can form the bond with students in the true sense. Mentoring is required for students to achieve emotional stability and to promote clarity in thinking and decision making for overall progress.

The Practice

The practice is that of creating an efficient mentor-ward system. Each teacher is assigned 20 students for the complete duration of their study. They meet at least once in a week to discuss, clarify and primarily to share various

problems which may be personal, domestic, academic, etc. The mentors encourage the students to participate in co-curricular and extra-curricular activities and sports. Their academic performance and other activities are all recorded. Students should inform their mentors on all their movements like their absence from college, sickness etc. The mentors also keep in touch with the parents to appraise them about their ward's attendance, test performance, fee payment, examinations etc. The teacher is equipped with the record of all the necessary information about his/her wards. The teacher involves local guardians and parents as well, whenever necessary for any advice or help. At the end of every month the mentors prepare a report of their mentees progress. The mentors also counsel the students in need of emotional problems. When the students have any problem in any department either with the staff or with work completion the mentors speak with the respective staff and sorts out the problem. Mentors take special care of slow learners, who are given advice on how to study, prepare a time table for study and clarify the doubts and also given notes to study.

Evidence of Success

It is needless to say that a mentor gets the job satisfaction. Evidence of success of the practice includes university ranks, better results in the examinations, more regular attendance, less drop outs, increased participation in co-curricular and extra-curricular activities, better discipline on campus and respectful relationship between teachers and students. The students are more relaxed and have a healthy relationship with the staffs.

Problems Encountered and Resources Required

There are no limitations or constraints faced during implementing the program.

File Description	Document
Any other relevant information	View Document
Best practices as hosted on the Institutional website	View Document

7.3 Institutional Distinctiveness**7.3.1**

Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

The SVR Engineering College was started in 2007 and is situated on the National Highway NH-18 seven kilometers away from Nandyal town in Kurnool District of Andhra Pradesh. It is located on a sprawling 13 acres of land surrounded by green fields. The College is affiliated to JNTUA, Anantapuramu and is approved by AICTE, New Delhi.

The College is established with vision “To produce Competent Engineering Graduates with a strong base of Technical Knowledge and the Complementary Skills needed to be Successful Professional Engineers.

The facilities in the college are so planned as to make the College an ideal place for teaching and learning. The college consists of a spacious canteen and well equipped laboratories with the state of the art computers, equipment and gadgets. While providing quality education, using all modern teaching methods and technologies, the college places emphasis on extracurricular activities and physical education to achieve all round development of its students.

We at SVREC closely watches developments in industry all over the world and strives to provide students with the kind of technical education they need to succeed in the world of work.

The college motto, “Towards Excellence in Higher Education”, carries a message to the students that they should aim for the excellence in education, culture and achievement.

SVREC is surrounded by several villages and the ambience is set in a completed background with serene atmosphere. Many students are coming from nearby villages such as Ayyaluru, Gajulapalli, Raithunagaram, Noonepalli, Peddakothala etc... Most of the students prefer to attend the collage on foot and by to wheelers. Due to these factors the institute is free from pollution and doesnot get exposed to contamination. by processing the above special features the institution maintains its distinctiveness. The institute caters the needs and demands of students with recording the transportation both for faculty and

students with bus services covering from different areas of the town like nandhyal, allagada, atmakur, bhanaganepalli, panyam, koilakuntla, veldodu, etc... to the institute. The buses are safe with well trained drivers appointed by the collage authorities. The buses also equipped with first aid facility. These buses are secured & comfortable and affordable.

SVREC adopted innovative teaching pedagogy using smart class rooms to help teachers in delivering the concept better, and produce more meaningful learning experiences by using audio/visual aids from various sources. A number of students work in groups on carefully designed guided inquiry questions.

Role plays are an effective method of getting the message across. Students take on the roles of some phenomena such as part of an ecosystem, to demonstrate the lesson in an interesting and immediate manner. Easy way for instructors to intellectually engage and involve students as active participants in a lecture.

Students are encouraged to participate in an activity that lets them work directly with the material.

The institute to offer skill development training programmers to the students so as to ensure that the students get suitable placement opportunity at the end of their programmer of study .These skill development training programmers like TASK, ICT-academy etc... are offered on need basis right from the first year onwards The center of excellence complements and supplements the departments in arranging such value added training programmers.

Creating a safe working environment is a key component of the instruction. To enhancing the safety, health, well being and security to staff and students. Institution premises and corridors are under CCTV surveillance to ensure the effective the safety of the students. Fire extinguishers and the lighting terminals have been installed for the safety of all students and staff. Common rooms are available for girls. Internet facility for faculty and students. Well trained security guards are deployed at key locations.

The cultural committee shall we responsible for all intra and inter collegiate cultural events in the institution to plan and schedule cultural events for the academic year. Cultural activities are in essential part of our academic life.

SVR ENGINEERING COLLEGE boasts of having Student Managed Clubs which provide a platform for students to showcase their talent and organize a plethora of events for their all-around development. Our Institute is holding collegiate clubs on campus called "**HANGOUTS**". Being a part of a club helps the students to gain knowledge, skills, and experience in leadership, communication, problem-solving, group development and management, finance, presentation, and public speaking. Students grow faster in the best way possible and it's the best way to develop a personal network. The following are the clubs for our student's growth and development.

Nature Club has been working tirelessly to make its contribution to improving the challenging environmental conditions by spreading awareness of the deteriorating eco ecosystem and planting trees ever so often. The coordinators and club members have undertaken various environmentally friendly

activities; plantations like tree plantations, campaigns against noise and air pollution, and awareness campaigns, amongst the society, like “No Plastic for me”, “Say no to crackers” and the most important one, the “Cleanliness Drive”. They have worked on a polyhouse and keep experimenting with various types of propagation and seed germination and implementing small-level projects which helps to create interest in farming activities.

The clubs' primary focus is to work in collaboration with the Student Council members - organizing and managing all events hosted by them from intra-collegiate events such as the Fresher’s Talent Hunt /National fest in the college with the support of all other clubs. (Independence Day, Republic Day, Cultural Fest – Dilana, women's Day, etc.) Event managers plan and organize promotional, business, and social events. They're responsible for running a range of events, ensuring the target audience is engaged and the message of the event is marketed properly. Events play a huge part in the success of an organization.

Our Hangouts Club system helps students grow their outlook, improve their engaging skills, and ensure they are more developed individuals.

Students performing activities in Club time

Soft skill trainers explaining about club activities.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

At the outset the institution will strive hard towards providing/establishing a practice of quality assurance to regularly address, monitor and evaluate the quality of education offered to students. A practice to promote effective Teaching Learning methods for the benefit of both the Teachers and Students and make the institution a better place of excellence in Engineering and Management. All the Departments of SVREC (SVR Engineering College) conduct regular interactive workshops, Seminars, Competitions and provide immense opportunities to the students to practice the principles on real time application. SVREC has an active Entrepreneur Development Cell (EDC) which organizes several events to promote awareness of Entrepreneurship. The institution strongly believes in the student potential and “Can do” attitude by providing institutional scholarships. Reputed corporate companies shall be invited for campus placements. SVREC’s CDC (Career Development Cell) conducts regularly the various Campus Recruitment Training programmes for its Third year students to update their soft skills and technical skills SVREC students are exposed to the latest technologies and hands-on practice. The presence of IQAC and R&D center is well demonstrated by the number of publications. It’s the fire of knowledge that the institution envisions for the young minds to take on the challenges and shine.

Concluding Remarks :

SVREC was established in 2007 with a well-defined Mission and Vision considering the needs of society. The faculty strives hard to impart knowledge to the students in order to enhance their competency. The Institution has State of the art Laboratories and Library which are upgraded in tune with the updated curriculum, JNTUA. The institution always promotes a culture of delegation of powers through strategic policies. The institution also believes in research culture in the departments and supports innovative ideas from faculty and students. The extensive students training programs and industrial visits are conducted in association with the industries to enhance the skill set and employability. Conduction of technical fests and various competitions are helpful to students in bridging the gap between industry and academia. SVREC looks forward to achieving more heights in the future. The trust in academic excellence and holistic growth of the student remains the prime focus of the student. The institution’s societal commitments provide opportunities for faculty members and students alike to render services to the society. The supportive management provides all the facilities that are required to carry out teaching learning process, research activity and industry collaboration. The institution today can boast of activities and accomplishments with regards to academic excellence. In continuation of our endeavor to achieve excellence in providing quality education, SVREC is pleased to present Self Study Report to NAAC for Assessment and Accreditation of the Institution. We are more empowered and electrified to become symmetrical in all Engineering and Management Disciplines. As such, it is humbly submitted that this Institution deserves to be accredited well by NAAC so that Management will continue educational services to rural students from backward districts of AP. The institution promises to itself to do every possible thing to quench its thirst to reach the apex of academic excellence.