



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SRI MITTAPALLI COLLEGE OF ENGINEERING

NH-16, TUMMALAPALEM, GUNTUR

522233

www.smce.ac.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Sri Mittapalli College of Engineering is a premier technical institution founded in 2006 by towering personality of impeccable credentials and a notable academicians. The college is approved by All India Council for Technical Education (AICTE) affiliated to JNTU Kakinada and functions as a private self- financing institution under the auspices of Sri Mittapalli Trust. Sri Mittapalli College of Engineering is a tantamount in offering quality education to its students by enhancing their employability skills and technical skills. It strives to instigate its students' fresh perceptiveness, inventive thinking and firm conviction to achieve true success. With an aim to foster an equitable and productive growth, SMCE seeks to nurture the competencies of students as per industrial requirements. At SMCE we also focus on developing traits of students by providing an absolute education by concentrating on all the aspects of professional building. We have been unremittingly in the process of improving the quality of teaching by executing various activities like seminars by eminent personalities, language development and training in soft skills and communication skills. SMCE believe in fostering innovative practices and sustainable development programs to its students. Our main motto is student discipline, and by enthusing the students to participate in extracurricular activities like sports, NSS on par with their academics. With a high caliber faculty and an exceptional infrastructure, we promote academic excellence, absolute discipline and sound practical exposure, in this way we impart the best education to create ambience of excellence. We at SMCE deem that honesty, hard work, and discipline collectively form the ladder for success. On whole SMCE is an abode of centre of brilliance for creating holistic citizens inculcated with ethical, moral and social values in diverse culture

Vision

To be a Top-Notch institute in fostering visionary ethical technocrats with global standards to contribute the devolpment of society and nation.

Mission

M1: To provide outcome-based quality technical education with civic sense by well-qualified and committed faculty.

M2: To maneuver the potential resources viz., human, finance and technology to the prosperity of student centric academics.

M3:To impart necessary skills required to make students globally employable with the contemporary advanced teaching methodologies.

M4:To empower the aspirants of higher education with appropriate abilities.

M5: To establish & maintain a constant &strong relation with the industry alumni and academia.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

Institutional Strength:

- The college is run by visionary management that has a clear vision and extensive experience in both business and academia.
- An Accredited institution with NBA and NAAC.
- The college is accesible to all places since it is locating on NH-16.
- Committed, experienced, and qualified faculty
- A good faculty to student ratio with consistent retention.
- Consistency in university results.
- Excellent placement record.
- Good percentage of students who graduated
- State-of-art infrastructure,labs,ICT Facilities.
- Innovative Pedagogies in Teaching-learning process.
- Strong Neighbouring and Community network.

Institutional Weakness

- Institution is located in rural area.
- Limited scope of research and consulting.
- The consulting with industries is lacking.
- Collabaration with foreign institutes under previling.

Institutional Opportunity

- Possibility of business startups, incubators, and R&D facilities.
- Alumni aid in strengthening ties between the institution and industry to boost placements even more.
- Increase in community involvement
- Promoting inter-disciplinary study.

Institutional Challenge

- Educating students about how quickly technology is evolving and preparing them for job demands
- Attracting top companies for hiring and training.
- Intensification of interactions between institutions and industry.
- Increase of demand ratio due to location and availability of a large number of engineering colleges.
- Application-focused research and development
- Encouraging faculty and students to improve their publication in high-index journals.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

Sri Mittapalli College of Engineering has set its own Vision and Mission to which the College strictly abides to. We follow the curriculum prescribed by the affiliated university besides the college also takes suggestions from eminent scientists, academicians, Industry professionals, civil servants, to introduce innovative programs for the benefit of the students.

Further, our industry tie-ups, alumni interactions and co-curricular activities strengthen our student's competencies making them industry ready.

Departments help students to get industry internship in the academic year based on latest technologies and organize industrial visits to expose them to the real-world industry environment. Additionally, various certificate courses are conducted by the departments and students participate in activities in professional bodies to enhance academic enrichment.

The curriculum is enriched by conducting several workshops and activities to make the students aware of gender issues, human values, environment and professional ethics with internal and external resources.

Feedback on curriculum is taken from all the stakeholders like parents, students, industry, and employer on a regular basis for effective monitoring of institutional performance.

Teaching-learning and Evaluation

Students get enrolled in to the institution as per state Government and Affiliating University Guidelines.

The institute gives wide publicity to its infrastructure, staff and other facilities through website, newspaper advertisements. 70 percent of the seats are filled by APEAMCET process. Financially weaker students are supported by State Government scheme called "**Fee Reimbursement**". Policies adopted by Govt. of Andhra Pradesh for the benefit of the students.

Faculty are encouraged to use ICT tools for effective teaching and also to utilize e-resources like projects, internships, certification courses to enrich teaching-learning methods.

Good Student to teacher ratio.

Each Mentor is allocated 15-20 students, to the advice in academics and stress-related counselling.

IT integration and reforms in examination procedures brought a significant change in student registrations for examination, evaluation, results processing, and result release. Process manual and annual reports are published in website.

The language laboratory, internet lab, LMS materials, virtual labs, computer lab facility provide a good ambience for students to learn the concepts and apply them to practical projects. A number of events on

academic improvement, societal and environmental issues etc. are organized time to time. The institute provides support to its faculty members for their overall growth and development. They are granted special leaves for higher studies, research and are sponsored for seminars, workshops and conferences.

Institute implements Outcome based education and in line to this, departments compute CO, PO, and PSO attainment and review the levels of attainment on a regular basis and appropriate action is taken.

Research, Innovations and Extension

This criterion depicts about the policies, practices, and outcomes of the institution, with reference to research and consultancy along with serving the community through extension activities through NSS which is also the social responsibility of the institute is the major aspect of this criterion.

“Research is to see what everybody else has seen and to think what nobody else has thought” Albert Szent Gyorgy. College encourages faculty members to apply for research projects and provides financial support to them. We believe empowerment of engineering students is achieved with strong theoretical knowledge, interdisciplinary skills, creativity, innovation, hands on expertise and professional ethics. Faculty members of Sri Mittapalli College of engineering are encouraged to pursue Doctorates from various leading universities

There are formal agreement/ MOUs between the institution and other organizations for training/student exchange/faculty exchange/ research for resource sharing etc. Nourishment of various government sectors in inculcating pragmatic knowledge in terms of internships.

NSS Unit conducted number of extension activities in the last five years besides organizing one week special camp. Good Number of students participated in these activities through the NSS unit with funding from the JNTU Kakinada.

Infrastructure and Learning Resources

Sri Mitapalli Engineering college is located near to the Guntur city encompassing a sprawling area of 11.48 acres with a built-up area of about 13565 Sft .

The physical facilities comprise of classrooms, laboratories, seminar halls, Auditorium, R&D Centre, computer center and a well-established training , placement department with a provision for usage of Information and Communications Technology (ICT), ample space for outdoor & indoor sports activities with GYM, health care center facilities and Hostel accommodation. The well-stacked central library comprises of 30000 Volumes with digital facility & department libraries. The Central Library is using commercial software ECAP for automation of Library Services.

Institute has a very strong IT infrastructure and with regular updates, IT facilities in terms of hardware and software as per need. The college possesses 685 computers with the latest configuration and required software's to meet the IT needs of the faculty and students. The internet connectivity with 200 Mbps capacity along with the Wi-fi facility is made available in the college. All the departments are allocated the required funds to meet their infrastructural and recurring and non-recurring expenditure.

The college has contributed separate committees exclusively to maintain the infrastructure and maintenance of

the campus. The College has 6 acres of play ground with outdoor and indoor courts. Cultural activities, health and yoga facilities are also available. The master plan provides an insight about the future vision of the institution. Separate residential facility is provided for girls with Wi-Fi, mineral water and security round the clock which represent home away from home. Emergency exits and fire fighting system are provided to counter situations like a fire hazard and natural calamities.

Student Support and Progression

Students are utilizing the scholarship schemes, sponsored by state and central governments. The college has established career guidance and counselling cell, EDC and Training and Placement cell for guiding the students to have a bright career with job opportunities through campus placements.

Alumni Association

“Past always guides present” with this intention the college has established Alumni Association in the year 2012. Annual Alumni meetings are held in the college campus where members interact with students and give valuable suggestions to them. The college takes feedback from the alumni members to improve academics and also invites them to give seminars. The Alumni Association has been extending a helping hand to the economically weaker students.

Monitoring of Slow Learners:

The College takes up the measures faculty to monitor the slow learners. Extra classes are conducted to the academically weaker students from evening 3.40 pm to 4.40 pm. Our committed staff maintains phone contact with parents and dropout students , visit their houses during Sundays and semester holidays with progress report to counsel both parents and students.

Social Responsibility

College becomes a stage for the students to exhibit their hidden talent. The students are motivated to take part in several responsible administrative positions which not only improve their leadership skills but also help them to achieve the academic excellence. Participation in several events, research, NSS, blood donation camps, Swatch Bharat, orphan home visits will inculcate social responsibility amongst the students.

Governance, Leadership and Management

Sri Mittapalli College of Engineering is governed by Sri Mittapalli Trust established in the year 2006 in Guntur. The institute has been contributing Engineering and Management Education with a vision to be the best in creative and social development which generates concepts for research through creative activities and prepares the students as capable ethical leaders. As an academic institution, Sri Mittapalli College of Engineering has the richness and depth frequently found in the better Engineering Colleges. The college is constantly learning, evolving every year and updating the needs of the companies by promoting all necessary requirements. We believe in the holistic development of students. The institution is striving for excellence and imparting practical knowledge through technical expertise ever since its inception.

Governance is the key activity that connects among the management, staff, students, and Community. The vision & mission statements along with institutional ethics of the institute are in line with the Society policies. The administration is carried out with various committees and bodies in framing and implementation of the policies with the active participation of Principal, HoD s, and faculty.

The Internal Quality Assurance Cell (IQAC) is established in the institution to maintain and enhance quality of education. The prime task of IQAC is to develop a system for conscious, consistent and catalytic improvement in the performance of institution.

The annual audit is conducted and tax returns are filed every year

SMCE Management has appointed one of the senior faculty members as Governing Body member. Management takes suggestions from the faculty members time to time and discusses academic matters such as result, feedback, syllabus coverage etc. Every stakeholder is involved in the development of the institution. Thus, Governance, Leadership and Management are highly shown a significant impact on Institute achievements.

Institutional Values and Best Practices

Sri Mittapalli College of Engineering as one of the best institutions, performing all round development of the student and society. College has an NSS unit with adequate number of volunteers. Diverse socially significant administrations are given by NSS Students to encompass programmes like leading blood gift camps intermittently. Adoption of slums, services in slums and Swatch Bharat in surrounding villages for cleaning actions. Energy conservation and renewable energy is practiced in the campus-hostel by the use of Solar powered system.

Gender equity programs are conducted regularly and Gender sensitization programs are conducted to educate a girl about development, through women development cell.

Restricted entry of vehicles, usage of bicycles on the campus, tree plantation, are some of the initiatives. The Institute has a well-built infrastructure with ramps, toilets provided for divangjan.

The Institute makes efforts in maintaining tolerance and harmony towards religious and socio-economic diversities including celebration of national days.

Institution shows Gender Sensitivity by providing facilities like common room, fitness room, and security arrangement.

Rainwater harvesting pit is installed to reduce the usage of a well and bore waters from tanks.

The waste in the campus is disposed of in an eco-friendly manner without polluting the environment and the approach of the institution towards greenery.

Friendly campus for physically challenged students

Courses on human values/ethics/environment consciousness

Innovations through Project Based Learning

The Practice

The institution is focusing on technology inculcation in student projects to enhance their skill.

The student participating in project works in their 4-2 semester as per curriculum.

To enrich the project based learning institution is involving through innovation.

To promote this students are given 360 degrees support to learn latest trends and technologies.

To implement the latest methodologies faculty members and experts will give guidelines.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SRI MITTAPALLI COLLEGE OF ENGINEERING
Address	NH-16, TUMMALAPALEM,GUNTUR
City	TUMMALAPALEM GUNTUR
State	Andhra Pradesh
Pin	522233
Website	www.smce.ac.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	P V Naganjaneyulu	91863-2344401	9000447117	91863-2344403	smce.principal@gmail.com
IQAC / CIQA coordinator	Dr.s. Gopi Krishna	91863-2344402	9000453733	91863-2344403	smce.csit@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

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,Kakinada	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC		
12B of UGC		

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	no

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	NH-16, TUMMALAPALEM, GUNTUR	Rural	11.48	13565

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,Computer Science And Engineering	48	inter	English	180	142
UG	BTech,Electronics And Communication Engineering	48	inter	English	60	26
UG	BTech,Computer Science And Engineering Artificial Intelligence	48	inter	English	60	47
UG	BTech,Information Technology	48	inter	English	60	47
UG	BTech,Computer Science And Engineering Data Science	48	inter	English	60	40
PG	Mtech,Computer Science And Engineering	24	b.tech	English	18	4
PG	Mtech,Electronics And Communication Engineering	24	b.tech	English	18	3
PG	MBA,Master Of Business Administration	24	degree	English	60	30

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	10				15				95			
Recruited	9	1	0	10	13	2	0	15	61	34	0	95
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	10				15				95			
Recruited	9	1	0	10	13	2	0	15	61	34	0	95
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				11
Recruited	10	1	0	11
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				11
Recruited	10	1	0	11
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				26
Recruited	20	6	0	26
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.	9	1	0	11	0	0	0	0	0	21
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	2	2	0	61	34	0	99
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		Total
	0	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	187	0	0	0	187
	Female	115	0	0	0	115
	Others	0	0	0	0	0
PG	Male	25	0	0	0	25
	Female	12	0	0	0	12
	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	18	30	42	26
	Female	2	12	17	12
	Others	0	0	0	0
ST	Male	2	3	3	1
	Female	0	2	1	1
	Others	0	0	0	0
OBC	Male	111	124	155	102
	Female	69	74	82	64
	Others	0	0	0	0
General	Male	155	153	117	102
	Female	76	110	99	87
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		433	508	516	395

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>The main aim of new educational policy is to provide quality education on global standards with diversity for all curriculum and pedagogy with technological innovations in teaching learning process. Sri Mittapalli College of engineering is affiliated to Jawahar Lal Nehru Technological University – Kakinada. The Institution depends upon the flexible and innovative curriculum provided by the Affiliating University. To implement the New Educational policy and the vision of the government JNTU – Kakinada has brought in eight state-of-the art skill development subjects into the B.Tech, CSE and IT curriculum. The institute is following this curriculum and handling the sessions for the students successfully and effectively. The institution is offering interdisciplinary project based learning for B.Tech students but they are not credit based. In addition to that the institution is offering CRT (Campus Recruitment Training) classes for the II, III, IV year students. The institution has established hobby clubs for the students in which skill development club is available to enhance and focus on the various creative and innovative skills of the students.</p>
2. Academic bank of credits (ABC):	<p>The JNTU K is taking initiative measures related to academic bank of credits but it is in initial stage. The institution is affiliated to JNTU – Kakinada, it cannot register for academic bank of credits (ABC). Only the university can register to avail multiple entries and exit. The institute adopted LMS (Learning Management System) regarding materials, text books and assignments. The institute is putting its enormous efforts to collaborate with high learning institutes related to research activities.</p>
3. Skill development:	<p>The Institution is motivating and encouraging the students to attend and do the various skill development programmes and courses offered by the APSSDC (Andhra Pradesh state Skill Development Corporation). The institution is conducting CRT (Campus Recruitment Training) classes for II, III, IV year students to boost up their professional and technical skills and make them industry ready. The institution has established hobby clubs like music club, skill development club, and sports club etc., to enhance their skills on the concerned platform. The institute organizes seminars, workshops, personality</p>

	development programmes for the students to develop democratic, humanistic, ethical values.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The affiliating university JNTU – Kakinada has initiated the Indian Knowledge System into the curriculum and as a affiliating institution we are following curriculum. Apart from curriculum the institution celebrates the different festivals in the institution without any religious bias. The institution organizes various competitions for the students and they will be awarded with prizes. By celebrating the festivals the students will be very much familiarized with the Indian Culture and tradition.
5. Focus on Outcome based education (OBE):	The institution totally follows the curriculum designed by the Affiliating University JNTU – Kakinada. The affiliating university has developed an excellent curriculum which the transforms the institution towards Outcome Based Education. The institution has adopted some good practices towards OBE like defining Program Specific Outcomes, Program Course Outcomes, Program Educational Objectives for the courses offered to the students by them. The institution follows the Blooms Taxonomy for designing the question paper at institute level. All the faculty maintains the course files. All the students of the institution are assessed based on the OBE Model.
6. Distance education/online education:	The affiliating university JNTU – Kakinada is not offering any courses through distance mode. The institution cannot provide such provision to the students. The institute is having all the facilities related to online education which were very helpful during the Covid – 19 pandemic period. The institute has successfully conducted the online classes for the students during the pandemic by using the online platforms like Microsoft Teams and Zoom. The institute is registered with NPTEL and encouraging the students and faculty to do the online courses through this platform. The students are also motivated to attend and do the programs offered by the APSSDC (Andhra Pradesh state Skill Development Corporation).

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
1317	1231	1204	1262	1364
File Description		Document		
Institutional data in the prescribed format		View Document		

2 Teachers

2.1

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

Response: 96

File Description	Document
Upload supporting document	View Document
Institutional data in the 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
139	170	164	156	195

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
336.38	178.66	301.48	411.10	346.55

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:

Developed and using the following methods to enrich academic activities of institution

Academic Calendar:

Every year, before the commencement of the academic year , the university releases a two-semester academic calendar. The College will create an action plan to implement as soon as the calendar is published by the university in order to guarantee effective delivery.Institution gives directions to the departments to prepare department academic calendar in the lines of university calendar.

All professors and department heads make up the College Academic Committee (CAC), which is presided over by the Principal. All HoDs receive instructions from CAC about the implementation of policies and reforms.

Subject Allocation and Teaching Methodology:

The subjects will be assigned after taking qualifications, subject specializations, competence, and experience into account, well before the start of class work begins. Before the start of the academic year, faculty is instructed to create a course plan and course files for the semester along the lines of OBE. The proper distribution of the syllabus, the clarity of the curriculum, and on-time course completion are all made possible by such plan design. Prior to the start of the semester, the Head of Department (HoD) approves the teaching and laboratory plans, which are then shared with the students by the respective course teacher.

The university's guidelines will be followed for the continuous evaluation of both theory and practicals. In order to support students, the college uses an efficient mentoring system to address numerous curricular and extracurricular issues. This procedure will identify slow learners and advanced learners. Remedial classes will be offered to those who struggle with learning, and for improved performance, a few key questions from each unit will also be given to them along with periodical assessments. For the benefit of their future, advanced learners will be encouraged to engage in workshops, seminars, conferences, and career assistance programmes. Mentors meet weekly and provide advice for both advanced and slow learners. Mentors regularly examine students' academic progress.

To assist first-year students and lateral entry students in understanding the fundamental ideas of mathematics and engineering, bridge courses are designed and offered. The faculty Utilizes learner-centered delivery techniques for academic courses, such as assignments, peer learning, group discussions, brainstorming, utilisation of NPTEL lectures, case studies, projects, quizzes, etc.

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

1.2 Academic Flexibility

1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years

Response: 121

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

1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs as against the total number of students during the last five years

Response: 94.47

1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1298	1231	1204	1182	1110

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 into the Curriculum

Response:

Sri Mittapalli College of Engineering striving towards academic excellence, in addition to that the institution is inculcating civilisation and culture towards various aspects like Professional ethics, human values, gender.

Besides the aforementioned, Environmental Studies has 3 credits in the first semester of the B.Tech (R19).

Professional Ethics and Human Values, 3 credits in II B.Tech. II Semester (R19), and the Constitution of India, 3 credits in II B.Tech. I Semester, are also included in this (R19).

Sensitization to gender

A fundamental prerequisite for a person's quality growth may be gender sensitization. A person may fail to recognise the needs of the other gender, and in certain extreme circumstances, even themselves, if they are not sensitive to the needs of the gender they have chosen. Hence, respect for every gender ought to be cultivated.

As this course is not enclosed in syllabus prescribed by university, we have a tendency to often conduct seminars wherever the students are familiar regarding the lawfully enforced gender equality policies that are mandated at all work places. The growing importance of gender equality is assimilated effectively among the students through this. Special talks are arranged to encourage women to explore opportunities in science and technology. The student counselor counsels students on gender equality and other related issues. An exclusive committee consisting of women faculty and girl students is also functioning related to gender equality issues.

Environment and Sustainability

Environmental Studies is an interdisciplinary course. The course is offered as a mandatory course for all the U.G programs. The course includes the study of natural resources with emphasis on renewable energy resources, the importance of conserving the present ecosystem, promoting biodiversity, perils of environmental pollution and raising awareness on environmental and social issues.

Environmental protection acts as well as the legislation related to the environment protection are also included in the syllabus to make the students fully aware and responsible of their surroundings.

Human Values and Professional Ethics

The goals of this Professional Ethics and Human Values course are to comprehend the moral principles that must be pressed to govern the profession. Resolve the ethical issues that exist within the profession, and then defend your ethical assessment of the field.

Professional ethics may be a set of moral principles and ideals that a professional engineer is expected to uphold, in contrast to personal beliefs and morals. It establishes the norms for professional practise and is primarily learned in a professional setting or when pursuing a career. Today, it's an essential component of professional education because it gives students the ability to shape the issues they'll encounter. This course has a strong emphasis on developing a comprehensive understanding of moral behaviour, including being trustworthy and considerate to others. Additionally, the college organises blood donation camps, Swacch Bharath campaigns, and awareness campaigns in the adjacent villages to advance national integrity, human values, and intercommunal harmony.

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: 98.48

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

Response: 1297

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 (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 61.89

2.1.1.1 Number of students admitted year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
433	508	516	395	402

2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
576	732	792	762	780

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

2.1.2 Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)

Response: 84.59

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

2021-22	2020-21	2019-20	2018-19	2017-18
202	245	294	206	200

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
202	255	294	295	310

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

2.2 Student Teacher Ratio

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

Response: 9.47

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 using ICT tools

Response:

Learning is a process in which both the teacher and the student actively contribute to the acquisition of knowledge. As a result, the college uses cutting-edge, interactive techniques in this process. Several student-centered techniques are used to accomplish outcome-based education. To give students enough information, the faculty employ a variety of pedagogies.

The pedagogies are as follows:

Use power point presentations, case studies, fieldwork, project-based learning, and illustration and special lectures. The Wi-Fi facility in the campus ensure everyone has access to all of the expert lectures on the resources for online learning. Group discussions and role plays are held as a part of activity-based learning. Task-based interactions are conducted to raise the perception standard and maintain it for future generations.

Experimental learning is used to improve students' entrepreneurial and employability skills. Periodic and timely industrial visits are planned. We promote the usage of online lectures and courses from websites such as MOOCs, NPTEL, and others by our faculty and students.

Every lab or workshop has the right layout design and is kept up to date in accordance with global standards. Lighting, ventilation, and furniture are also checked to ensure a conducive environment. Laboratories featuring computer equipment, peripherals, and experimental setups. Its efficient operation ensured with the hiring of qualified lab instructors .

We take extra care to make sure that we cover every experiment on the university syllabus. Additionally, some experiments outside of the curriculum are also practised.

Every topic we cover has regular assignments to gauge how well students are listening. Continuous evaluation of learning capacity and leading group discussions are also regular parts of teaching. We arrange prominent guest lectures and hands-on workshops led by professionals to keep our students up to date on the newest technical advancements. Internships are encouraged, as are student participation in regional and national technological competitions including hackathons and robotics competitions.

Daily, monthly, and weekly reports of all activities from each department are updated to the Principal to ensure smooth implementation of the aforementioned procedures.

Our student holistic development programme includes hobby clubs (Sports club, Music club, Dance club, Drawing club, and Skill development club) are also part of enhanced learning.

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 / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
139	170	164	156	195

File Description	Document
Upload supporting document	View Document

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

Response: 11.89

2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
22	20	23	22	11

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

As a result of this institute's affiliation with JNTU Kakinada, A.P. adheres to the university's curriculum. Prior to the start of the academic year, the university publishes an academic calendar. The college then creates a planned calendar in accordance with the academic calendar that includes a variety of educational and extracurricular activities.

Through the university's continual internal evaluation system and final exams, the academic regulations are closely adhered to. Exams for the midterm are given on two different levels: an objective test and a descriptive test.

Assignments are issued by the relevant topic faculty aside from this. Total marks for the descriptive test are 15, the objective is worth 10, and the assignment is worth 5 and end semester examination for the maximum marks of 70.

A 25 marks internal lab exam is given. The university will choose the external examiner, and the other concerned faculty will set up the external lab examination, which is worth 50 marks.

The external examiner evaluates the project work, and the marks are recorded on OMR sheets in a sealed manner with the examiner's signature. There are 200 marks for the project work: 40 for internal review and 160 for external review.

All complaints relating to examinations will be processed at the institute and university levels by the institute, which adheres to transparency in the evaluation process.

At the institute level, the teacher gives out the students' graded answer scripts and responds to any questions or complaints. After that, a notice board will display the interior marks. The concerned teacher will address any inconsistency and make the required modifications if one is found. The examination-in charge of the relevant departments will address any additional difficulties with the correction of marks and grades.

At the university level: Students may file complaints by requesting the following review processes:

- Re-evaluation and re-counting
- Challenge Assessment
- Inaccurate entries in the mark note and hall ticket

Institute Level	<ul style="list-style-type: none"> • Grievances from students like awarding less marks, counting mistakes and attendance mistakes etc. are resolved by HoD. • The discrepancies/grievances regarding online/theory examinations are brought to the notice of the Principal through the Examinations In-charge, which are attended and appealed to the University if required.
University Level	<ul style="list-style-type: none"> • The University provides recounting, revaluation and challenge revaluation with a prescribed fee. • Any issues related to result, printing errors, name changes, grace marks etc., are appealed to the University by the Principal.

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 and attainment of POs and COs are evaluated

Response:

Since 2017, our Institute has used outcome-based education (OBE), which places a strong emphasis on what is expected of students once they complete a course. 12 well specified PO's for UG programmes and PG Programmes are available. Program Outcomes for. Each programme at the institution has a minimum of two Program Specific Outcomes (PSOs). Course Outcomes (COs) are clear assertions of the knowledge and skills that students are expected to have after completing a course. Each course has a minimum of 4 COs and a maximum of 6 COs defined.

Program Outcomes (PO's):

PO1: Engineering knowledge.

PO2: Problem analysis.

PO3: Design/development of solutions.

PO4: Conduct investigations of complex problems.

PO5: Modern tool usage.

PO6: The engineer and society.

PO7: Environment and sustainability.

PO8: Ethics.

PO9: Individual and team work.

PO10: Communication.

PO11: Project management and finance.

PO12: Life-long learning.

Sample Program Specific Outcomes (PSOs) of CSE:

PSO1: Analyze: Identify the data, Design suitable algorithm by using latest software for real time applications.

PSO2: Computing Paradigms: Understanding the evolutionary changes in computing possess knowledge of context aware, applicability of paradigms and meet the challenges of the future.

Attainment of Course Objectives: According to the revised Bloom's Taxonomy, the course objectives are written by the appropriate faculty member using action verbs of learning levels.

Predetermined POs are gathered. Each course's COs are mapped with POs and PSOs. On a scale of 1 to 3, a correlation is seen between COs and POs, or PSOs.

Low correlation is denoted by "1," while

Medium correlation is denoted by "2."

"3" denotes a strong association.

'-' denotes a lack of association

The attainments of COs consist of two parts, namely Direct and Indirect.

(80%) Direct Attainment

1. Internal Exam: Along with the Assignment, this sort of performance evaluation is conducted during the examination sessions that are held twice in a semester.

2. Semester End Test: The semester end exam, which covers the complete course, is a gauge for determining whether or not all COs have been accomplished.

25% of the internal test and 75% of the semester end exam are taken into consideration for direct attainment.

b) Indirect Attainment (20%): At the end of the semester, feedback from the students is gathered to evaluate the course outcomes.

Program outcomes and program-specific outcomes are achieved:

The generalized formulae listed below is used to achieve the program's objectives.

80% Direct Attainment + 20% Indirect Attainment = PO/PSO Attainment

a) Direct Attainment (80%): CO-PO/PSO mapping is used to assess the direct attainment of PO and PSO. Direct PO/PSO attainment is equal to (Average of a PO's COs) / 3 * the course's ultimate CO attainment.

b) Indirect attainment (20%): This approach of attainment is based on surveys of employers, alumni, and graduates' exit interviews. The average of surveys like graduate, alumni, and employer surveys represents indirect attainment of PO/PSO.

Attainment of Indirect PO/PSO = Average of (Graduate Exit survey, Alumni survey, Employer survey) On a scale of 1 to 3, PO and PSO's attainment levels.

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

2.6.2 Pass percentage of Students during last five years**Response:** 82.49**2.6.2.1 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
261	269	281	365	299

2.6.2.2 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
340	331	342	433	342

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

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.83

File Description	Document
Upload database of all students on roll	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: 23.12

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

2021-22	2020-21	2019-20	2018-19	2017-18
3.11	3.09	4.30	3.72	8.9

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 and has initiatives for creation and transfer of knowledge

Response:

An ecosystem for innovation and other activities to advance knowledge has been launched by the institution. The college has a Research & Development cell and institute Innovative Council (IIC) that is made up of professors from different departments and is coordinated by a renowned experienced faculty member. The institution's principal and the members of IIC are incharges of overseeing it.

Since its founding, the R&D cell has operated under a methodical policy and is committed to achieving the goals set forth in its agenda. It aims to develop connections with diverse R&D organisations while also instilling a sense of culture and spirit in staff and students. Typically, the Sri Mittapalli trust sponsors a portion of numerous research initiatives.

In order to share information, faculty members are encouraged to engage in research activities and publish in reputable journals. The institute regularly holds a no.of of seminars and conferences with the purpose of knowledge production and sharing. As part of this endeavour, they are also urged to participate in national and international conferences held outside of the campus. Intellectual property rights have been promoted among the faculty as a means of encouraging innovation and information sharing. As part of information sharing, the faculty gives guest lectures and expert talks to other institutions.

Additionally, it motivates faculty to engage in doctoral research and broaden their knowledge by publishing their ideas. The college has developed an eco system to encourage innovation, knowledge transfer, and entrepreneurship. In order to foster student innovation, the Entrepreneurship Development Cell (EDC) was established in the academic year 2016–17.

Entrepreneurship Development Cell successfully establishes a connection between the institution and the industry. In order to fill the gap in the curriculum, it is intended to interact with each department separately. It is carried out through holding workshops at which well-known professionals in the field . Faculty members regularly mentor students in order to help them comprehend functional difficulties through projects or applied research.

The students are encouraged to participate in extracurricular activities incorporating theme-based projects as part of a choice-based Credit system, which results in the generation of Technology based projects beneficial to society. Students are encouraged to engage in and take part in coding-related activities, such as hackathons and coding competitions, that foster innovation in the students.

The institution is having well defined policy for promotion of innovativeness among faculty and students. In order to promote this special incentives are given to the faculty and students with respect to the involvement in research publications, patents filling and for student project model development.

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: 36

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
8	2	6	8	12

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: 2.79

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
74	47	36	47	64

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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: 0.15

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
11	3	0	0	0

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

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

The Sri Mittapalli College of Engineering is one of the pioneering colleges in the state, and it is encouraging social responsibility culture to the students. The institute is aware that education should prepare students for more than simply a job; it should also help them become good citizens and, most importantly, decent people. One of the crucial things to be instilled via education is the value of sharing and caring for the less fortunate. It is our shared responsibility to enable the poor to achieve self-sufficiency so they can live with respect and dignity. The institution's NSS Cell gives students the chance to comprehend their society, identify its needs and issues, and pinpoint potential solutions that they may contribute to by taking on civic and social obligations.

The Institute makes every effort to improve the neighbourhood community on a social and economic level in order to further societal growth and well-being.

Extension Activities

The NSS Unit planned the "Drugs leads destruction" session, where the speaker primarily addressed smoking, alcohol use, and other minor drug abuse with thorough explanations and real-world examples.

The institution helping the students to improve their emotional quotient by exposing them to the difficulties of the local community encounter on a Regular basis. It also wants to inspire participants to have a positive outlook on life. Students and staff taught the local villagers about the COVID-19 pandemic while distributing masks and grocery packs. More than 700 students received either their first or second dose of vaccination throughout the two phases of vaccination drives.

According to the directives from the Ministry of JAL Shakthi and the orders from Jntu Kakinada, the Jal Shakti Abhiyan (JSA)-An Awareness Program on Water Conservation-was organised.

Regularly institution organises special camp as per the university schedule

one of the Special Camp was conducted between March 9 and March 15, 2022.

The following events were successfully planned with the assistance of the state government and the head Master of Edulapalem [Adopted Village] Primary School.

Village survey and Manam Mana Subratha on Day 1,

Water Conservation Awareness Rally and COVID-19 Variants on Day 2,

Third day: Massive Free Medical Camp,

Day-four: Go-Green (plantation),

Day-five: Swacha Village (Sramadan), and

Day-six: A day of fun for kids (Activities at school)

Day 7: Closing remarks and award presentations.

With these activities, our NSS Unit provided unwavering service, donated and planted saplings, provided

free medicine, distributed prizes, appreciation certificates, and mementos to the school students participating in academic and extracurricular activities, and greatly increased awareness among the villagers and schoolchildren.

There have been awareness raising campaigns like the Plastic Waste Free Campaign. Discussions included topics including supporting green habits and the effects of plastics on the environment. carried out an annual Swachh Bharat initiative within and near by the college.

Some of the Extension Activities conducted by the College NSS Division are

- **Blood Donation and Group Checking**
- **Mini Marathon in Guntur**
- **Vanam-Manam**
- **Community Service**
- **NSS Special Camps etc.**

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:

Sri Mittapalli College of Engineering was established in 2006 by sri Mittapalli Trust which is approved by AICTE, New Delhi and affiliated to Jawahar Lal Nehru Technology University Kakinada. The Institution located in the rural area of palnadu Region to promote the education for the deserving people residing in and around the premises. For the past 15 years of experience, institute recognises the needs, requirements of the society in that part institute contributing a lot with the available resources.

The major areas that the institution is focusing are -

a) Merit Scholarships : College having scholarship policy which supports economically deserving people by giving freships from the trust. In that every year department wise merit students are identified. In that first three are given Merit Scholarships.

b) Fee Concession in Bus and Hostel : College is having fee concession policy, which supports weaker sections of the student community. The institution identifies few students for concession in bus and hostel.

c)Community Service through NSS Cell:The institution is having University recognised NSS Cell Which is prestigious and proud for the institution.The cell was headed by a co-ordinator with chairmanship of principal,other students volunteers are actively involved for connection of institutional society.So many activities are conducted under this like Blood donation and group checking,Mini-Marathon,Vanam-Manam,Community Service,Special Camps etc.

d)Subsidary Canteen Service:The college is having canteen facility for students and staff in which good recipe of food is available.From Morning to evening Delicious snacks,drinks,tiffins are available with reasonable rates.

e)Extra-Curricular Activities: The institution is having diferent clubs like music club,dance club,arts club to enhance the student skills.In addition to that games and sports facilities are available,to withstand physical and mental health.

To fullfill the objective of excellence in education institution is keeping continuous efforts.To devolp the student in allround degree,institution is focusing on social responsibilty,integrity and service.In this Moto,Institution continuously serving the local community,student community as well as staff community.By doing number of service activities,local community and some of the voluntary organisations recognised the institution with their appreciations.

Some of the Perfomance and Excellence Awards to SRI MITTAPALLI COLLEGE OF ENGINEERING

- **Best Service Award By Lion's Club.**
- **Best Blood Contribution Award By Welfare Group.**
- **Merit Community Service Award by village Authorities.**
- **Best Participation Certificate for Covid Vaccination**

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 NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 70

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

2021-22	2020-21	2019-20	2018-19	2017-18
22	0	20	18	10

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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: 60

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

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 Availability of adequate infrastructure and physical facilities viz., classrooms, laboratories, ICT facilities, cultural activities, gymnasium, yoga centre etc. in the institution

Response:

According to AICTE standards, the state of art infrastructure has been designed and built -up area of roughly 13,565 square feet and spans a vast 11.48 acres. The instructional area , carpet area , amenities area and administrative areas are more than the requirement. All laboratories are completely outfitted with the most cutting-edge tools and technology. With protected Wi-Fi connectivity access points. There are sophisticated IT facilities with nearly 650 computers and 200 Mbps of Internet bandwidth.

In SMCE for supporting Academic activities, the following suitable facilities for teaching-learning are available:

To support any academic activity, the college has a sufficient number of well-equipped, well-ventilated, spacious classrooms and Labs. Additionally, each Department has a departmental library, E-Classrooms are available. These have LCD projectors, audio equipment, computers with internet access, and public address systems.

Laboratories: To perform experiments, the college has well-equipped, domain-centric laboratories. There are other resources accessible to cover topics outside of the curriculum, projects, and research activities.

Main Seminar Hall: The campus has sufficient seminar rooms for holding conferences, seminars, guest lectures, and workshops. 500 people can be seated in seminar rooms that have air conditioning, LCD projectors, and PAS with WiFi connectivity.

ICT as a Learning Resource: The organisation has installed internet and Wi-Fi in the staff rooms and departmental libraries. PCs are loaded with the necessary software in accordance with the Department's requirements.

In order to ensure that the institute's emphasis is on offering extracurricular activities to the students, sports facilities have been developed for games and athletics.

Outdoor Sports: Throwball Court, Kabaddi Court , Volleyball Court, Kho-Kho Court etc

Indoor Sports: Chess, Table Tennis, Carrom , Weight lifting dumbbell sets in the gym.

YOGA: The college hosts regular yoga classes to promote a healthy lifestyle. The 21st of June is always observed on college campuses as International Yoga Day. Yoga can be done on mats, which are accessible.

Student participation in college-level cultural clubs including the Arts club, the music club, and the dance club is encouraged. The institution promotes active student participation by planning cultural festivals, co-curricular activities, and extracurricular events. The institute has the necessary resources and facilities to organise all above events.

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

4.1.2 Percentage of expenditure, excluding salary for infrastructure augmentation during last five years (INR in Lakhs)

Response: 25.14

4.1.2.1 Expenditure for infrastructure augmentation, excluding salary during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
48.39	133.22	95.03	58.86	60.19

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

4.2 Library as a Learning Resource

4.2.1 Library is automated using Integrated Library Management System (ILMS), subscription to e-resources, amount spent on purchase of books, journals and per day usage of library

Response:

Since the college's functioning from the year 2006, people have been using the SMCE Library. The library includes a collection of 30000 volumes (books), with 5000 titles covering all Departments, project reports, books for competitive exams, welfare books, literature, dictionaries, and back issues of international and national journals. Additionally, the library has subscriptions to printed journals, magazines, newspapers, and online journals like DELNET and NDL.

Electronic Resource Management package for e-journals

Package for managing electronic resources for e-journals

The library is a DELNET package subscriber. The library has a well-equipped digital library with more than 20 computers that can access the Internet and e-resources. As both students and staff have access to e-journals, this is true. Newspapers, magazines, and journals are regularly subscribed to, further enhancing the library's status as a wealth of information. Each department has a well-equipped department library in

addition to the central library.

The Library & Information Center contains a content management system to enable the loading of e-learning CDs/DVDs, NPTEL lessons, e-Books, and other self-learning resources that may be accessible by LAN on the dedicated server in the Digital library.

Facilities offered:

Name of the ILMS software - ECAP

Nature of automation (fully or partially) –fully

Year of Automation-2012

Bar code scanners: 2 Number of printers: 2

Photographic Copier: 1

200 Mbps for internet bandwidth

Facilities available:

No of printers: 02

Bar Code Scanner: 02

Photocopy Machine: 01

Internet bandwidth: 200 Mbps

AMOUNT SPENT ON BOOK AND JOURNALS FROM 2017-18 TO 2021-22

Number of Books:2567

Amount Spent on Book Purchases:10,94,331

Journals counted:87

Amount Spent on Journal Purchases:3,91,049

Faculty and student usage of libraries daily:170

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

Response:

The Institute provides IT facilities and periodically updates them in accordance with the standards set by AICTE and the affiliating university, Jawaharlal Nehru Technical University, Kakinada. A well-established, cutting-edge IT infrastructure and facilities are available in the college campus. A 200 Mbps internet connectivity with Wi-fi Access to handle a number of services, including campus CC TVs, biometric devices, administrative and academic tasks.

The IT resources are available at the Institute:

- five servers
- Computers:685
- 20 printers
- Scanners: 2
- LAN Equipment
- Internet access
- Wi-Fi Access

Below are the specific upgrades that have occurred during the past five years (from 2017–18 to 202–22):

- New desktop PCs and 3 servers were purchased for academic use.
- To the campus network, 10 Wi-Fi access points were installed.
- 100 Mbps of internet bandwidth is increased to 200 Mbps.
- software licences for Windows 7 and 10 OS, Rational Rose UML, Oracle 10G and 11G, K-Van Solutions, Mentor Graphics, Xilinx Vivado System Edition 16.2 edition, HEP-1 and HEP-2 were purchased.
- Upgraded RAM from 2 GB to 16 GB for 60 desktop computers.
- Upgraded RAM from 2 GB to 8 GB for 120 desktop computers.
- Upgraded RAM from 2 GB to 4 GB for 33 desktop computers.
- LCD/LED projectors were purchased for use in classrooms, conference rooms, and labs.
- Staff and students now have access to biometric attendance.
- All of the CRT monitors have been replaced with LCD/LED displays.

File Description	Document
Upload Additional information	View Document

4.3.2 Student – Computer ratio (Data for the latest completed academic year)

Response: 1.92

4.3.2.1 Number of computers available for students usage during the latest completed academic year:

Response: 685

File Description	Document
Upload supporting document	View Document

Other Upload Files

1

[View Document](#)

4.4 Maintenance of Campus Infrastructure

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

Response: 58.53

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
193.58	77.01	179.55	280.97	190.27

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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 Government and Non-Government agencies during last five years

Response: 89.84

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

2021-22	2020-21	2019-20	2018-19	2017-18
997	1021	1062	1154	1496

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

5.1.2 Capacity building and skills enhancement initiatives taken by the institution include the following

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
Upload supporting document	View Document
Institutional data in the prescribed format	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: 91.78

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
575	1886	836	1820	737

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

5.1.4 The Institution has a transparent mechanism for timely 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
Upload supporting document	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: 70.04

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
168	200	199	242	182

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
204	267	279	365	300

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

5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

Response: 98.21

5.2.2.1 Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
13	9	15	10	8

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

2021-22	2020-21	2019-20	2018-19	2017-18
13	9	15	11	8

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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: 65

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
16	4	22	12	11

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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: 12.2

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
9	7	23	14	8

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:

The College is highly proud of its outstanding graduates who have distinguished themselves in all fields of engineering are currently employed all over the world. Through annual alumni meetings, the college is able to successfully enlist their support. The organisation organises alumni gatherings with the current classes and, to the best of their ability, advises them through networking forums.

The SMCE Alumni impart the students their knowledge, wisdom and experiences . The College forges

close ties between the previous students and the present students through these alumni gatherings. Alumni discuss their successes and guiding principles for success. An alumni organisation has been established with the sole objective of keeping the alumni involved in the college's operations. The college students who has completed the programme is able to create an account. This record provides their affiliation with the college as well as the most recent details regarding their professional lives.

The following is a list of the many contributions made by alumni:

Career Guidance

Alumni are encouraged by SMCE to give technical lectures to keep the students up to date with the newest developments in technology. Alumni are encouraged to share their success experiences with the students to inspire and holistically develop them. Additionally, SMCE plans sessions for students to get instruction and/or career counselling.

Knowledge Sharing About Projects, Internships and Placements

SMCE engages in activities including offering internships, encouraging alumni to come to the college for campus placements, offering project support, encouraging employee referrals to our students, and organising industrial tours for students. Through these actions, students' employability as successful engineers is improved.

Entrepreneurial Awareness

The college is encouraging students to have an entrepreneurial mindset. Through the "Entrepreneurship Development Cell," alumni entrepreneurs have shared their experiences with the students. Alumni

Higher education advice

Alumni students who are now enrolled in a variety of colleges throughout the globe share their experiences and assist current students in selecting a field of study for their higher education. The Alumni mentor students taking competitive tests like the GATE, PGECET, GRE, TOEFL, and IELTS.

Advice on Placements

Our Alumni are hired by numerous reputable companies, like Google, HSBC, TCS, Hitachi, and many others. They offer advice to students on how to sharpen their soft skills and articulation in order to assist them prepare for placements. They impart their insightful professional experiences so that students can become accustomed to various work settings and understand moral and ethical norms.

Financial Support

Our Alumni are actively participating for promotion and welfare of the institution, they are supporting in all aspects in addition to that in alumni meetings they are coming forwards to assistance financially to poor and meritorious students.

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 governance and leadership is in accordance with vision and mission of the institution and it is visible in various institutional practices such as decentralization and participation in the institutional governance

Response:

VISION

To be a Top-Notch institute in fostering visionary ethical technocrats with global standards to contribute the devolpment of society and nation.

MISSION

M1: To provide outcome-based quality technical education with civic sense by well-qualified and committed faculty.

M2: To maneuver the potential resources viz., human, finance and technology to the prosperity of student centric academics.

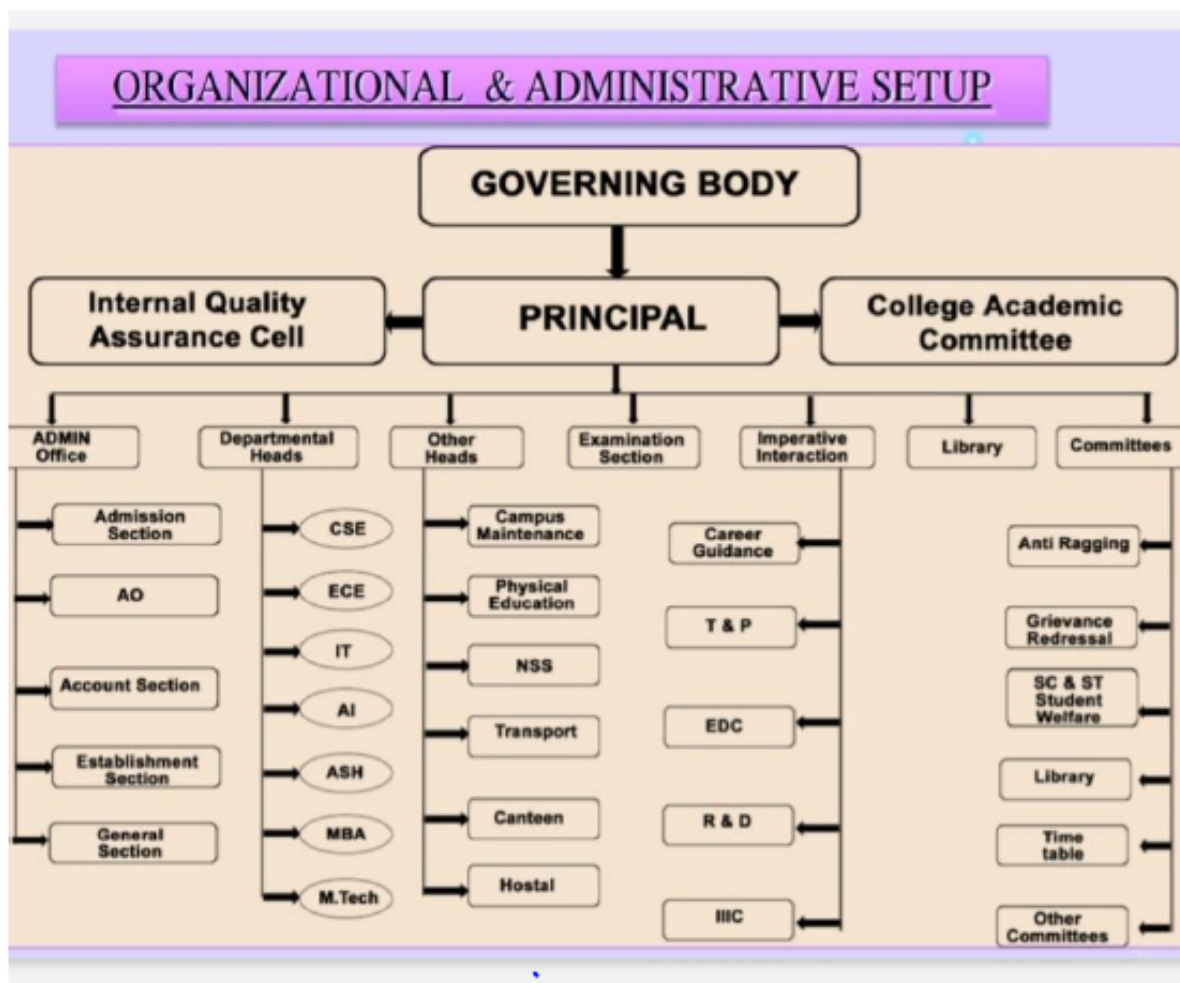
M3:To impart necessary skills required to make students globally employable with the contemporary advanced teaching methodologies.

M4:To empower the aspirants of higher education with appropriate abilities.

M5: To establish & maintain a constant &strong relation with the industry alumni and academia.

Decentralisation

ORGANIZATION CHART



The organisation chart presents the decentralisation of administrative and academic activities. The governing body instructs the principal about the smooth functioning of institutional activities pertaining to administration, communication, academic reforms and sanction of needs of the institution.

The principal communicates different sections of the institutes and gives guidelines for effective functionality of the institute or department. All Academic activities are headed by departmental HoD's, office Admin People will look after admissions, accounts and establishments. Other supportive facilities will be looked after administrative officer regarding campus maintenance, transport, canteen and hostel.

The college has different Statutory bodies like

- Anti-Ragging Cell
- Grievance Redressal Cell
- Library Committee
- R&D Cell
- Sc & ST Compliance Committee
- Career Guidance Cell
- Training and Placement Cell
- Entrepreneur Development Cell
- Institute Innovative Council

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 functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, deployment of institutional Strategic/ perspective/development plan etc

Response:

Functions of Various Committees

Governing Body

The institution's goal and mission are perfectly aligned with its institutional governance. In order to become a pioneer in the education sector, Sri Mittapalli College of Engineering was established in 2006 with funding from the Sri Mittapalli Trust. Board of Governors and executive committee are in charges of governance and leadership. The board of governors meeting which is organised in accordance with the rules, meets on a regular basis about the institution's activities and offer suggestions for future enhancements.

The Principal

- Oversees the development of all academic activity provides the ideal environment to support all academic activities, intellectual development, and research endeavours.
- Represents the management when new courses are introduced and makes suggestions for improving departmental strength.
- proposals for hiring faculty.
- Advice on upgrading the facilities that make up the present infrastructure.
- Resolves complaints from professors and students.
- **Head of The Department**
- The departments operate independently when it comes to planning and carrying out extracurricular, curricular, and training programmes for students and faculty.
- Accountable for the department's overall operation and infrastructure development. subject allocation is done based on the expertise and experience of the professors.
- Oversees internal tests and performance of the students.
- The department head, Class coordinators, and representatives of important stakeholders make up the Department Academic Committee(DAC).

- Department level reviews will be conducted for academic enrichment.

Class Co-ordinator

- Class Co-ordinator interacts and keeps in contact with important people, including HoD, teachers, and students. oversees day-to-day operations and coordinates the program's activities to ensure maximum effectiveness and adherence to the guidelines set by the institution.
- Gather information from the subject teachers about the weaker students* and set up remedial classes and counselling sessions with the HOD.

- **Some of the Committes and their Functions**

- **IQAC**

- **Functions:**

- Dissemination of information on various quality parameters of higher education. Acting as a nodal agency of the Institution for coordinating quality-related activities.

- Development of quality concerned culture in the institute.

- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute.

- **Canteen Co-ordination Committee**

Functions:

- To supervise, take steps for the maintenance of canteen facilities with hygiene.
- To maintain and control the quality of food supplied in the canteen.

- **College Academic Committee**

- **Functions**

- To promote the overall academic affairs of the institute.
- To provide direction with regard to methods of instruction, evaluation or research or improvement in academic standards.

- **Greivence Redreessal Cell**

- **Functions:**

- The institute has established an efficient and quick result based mechanism for students to express their grievances freely.
- The cases will be attended promptly on receipt of written or oral grievance from the students.
- To conduct enquiries into all grievances in an impartial manner.

- **STRATEGIC DEVOLPMENT PLAN**

- Assuring and enduring quality through Accreditations like NAAC and NBA.

- Maintaining Quality through Certifications like ISO.
- Academic Excellence through getting maximum pass percentage.
- Motivating and encouraging student's participation in Co-curricular and Extra-curricular activities.
- Encouraging faculty to attend Faculty Development programmes, Workshops, Conferences, Seminars/Webinars.

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

6.2.2 Implementation of e-governance in areas of operation

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

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

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

Response:

The Institute looks after excellent care for its staff. Both teaching staff and non-teaching staff are provided with numerous welfare measures. The beneficial welfare programmes encourage employees to raise their spirits, which motivates them to work effectively. The Institute has faith in the employees' contributions to the institution's overall growth and prosperity.

The institution encourages all faculty members both teaching and non teaching to enroll in programmes for professional development , extra skill-building programs, participation in FDP'S, Workshops, Guest Lectures , Conferences and support for enrolling Ph.D.

Schemes for General Welfare:

- For participation in international, national conferences, workshop, seminars registration fees reimbursement, TA, and On Duty.
- Research initiatives are given for publication of papers and journals.

- The staff is having group insurance facility.
- A provident fund is offered to qualified employees.
- All employees receive raises based on a performance evaluation system.
- Special leave is provided for employees on weddings.
- All female employees are entitled to three months of paid maternity leave.
- 50% off of subsidiary travel expenses in the college buses.
- Non-teaching staff get provident funds in accordance with the applicable statutes.

The management has created a performance appraisal system that includes all of the faculty's actions and is appropriate for self-appraisal as well as management evaluation. After lengthy negotiations with the principal, HODs, and faculty, the performance appraisal system's format has been decided upon.

For teaching faculty, the institution employs a performance evaluation system that comprises

1. Student feedback and semester-end results
2. Faculty publications in papers
3. Leadership in Institutional Development and Academics

Staff evaluation by HODs,

It takes into account technical knowledge, academic performance, teaching ability, problem-solving skills, classroom management, punctuality, regularity of attendance, communication skills, mentoring skills, teamwork, control of general student discipline, participation in placement activities, planning of events, dedication to the department and to the institution, and general attitude.

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: 90.53

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
153	163	175	166	89

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

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

Response: 83.85

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

2021-22	2020-21	2019-20	2018-19	2017-18
134	159	168	151	151

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
22	16	15	18	15

File Description	Document
Upload supporting document	View Document
Institutional data in the prescribed format	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 is run by sri Mittapalli Trust,it is self finance affiliated institute.The institution is mobilisation funds from student fee and trust sponsorship.As per the state government policy,all convener

quota admitted students will get fees reimbursement, management quota will be filled by fee collected from the students. The received income will be spent on different heads like salaries, maintenance, infrastructure etc.

The financial resources of the institution are managed in a very effective manner and all accounts are maintained in a systematic manner by the staff and also outside review by statutory Auditors. Before every month of tenth, the inward monetary book keeping will be finished accurately. The college accounts are audited at different levels viz., internal audit and external audit. There is an effective financial auditing system is incorporated for a systematic effective check on all the accounts & expenditure of the institution.

Audited financial statements include income and expenditure account, balance sheet prepared by qualified auditors and submitted to banks and other regulatory agencies. Statutory auditing is done at the end of each financial year. In case of checking entries internally on /off chance that any weaknesses found / recognized would be rectified at the same time by the concerned office staff. The report would be put together by inward reviewers and to the higher authorities if there anything is assumed after the amendments. The outside statutory examiners will visit the institution office twice in a year after overseeing Body for endorsement and also for vouching review and presenting the last review report.

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:

The IQAC of SMCE has the responsibility of assuring the calibre of all college events. IQAC has developed various methods for fulfilling requirements.

Responsibilities

1. To create a framework for deliberate, consistent, and catalytic action to enhance the institution's academic as well as managerial performance.
2. To encourage actions that will improve institutional performance by internalising a quality culture and institutionalising best practises.

The IQAC's routine tasks for institutional quality assurance plans are:

- process of annual action strategy with benchmarks
- Making standardised structure for coordination and managing.
- Framing Rules for Academic Administrative Procedures.
- Conducting Academic Audits in each semester for performance evaluation.
- Preparing OBE Formats and setting attainment levels - Co/Po/Pso

Some of the IQAC Auditing Parameters

1. Teaching Learning Process: IQAC Reviews Course Files, Attainments, Results and give suggestion for improvements. Based on the result, gives direction to the HoD's to identify slow and advanced Learners. The students are given appropriate remedial classes to improve their performance. Advanced Learners are encouraged to participate various curricular and extra-curricular activities.

2. Feedback on academic and facilities: IQAC gives Suggestions for preparation of feedback forms. Various feedbacks are obtained from students, Alumni, parents and employees. These are analysed and forwards the recommendations of feedback to the management, principal, HoD's. IQAC Gives benchmarks for quality publications, workshops, seminars, conferences. From the feedback it also recommends to improve the facilities for academic as well as administrative support.

3. Self-Appraisals: IQAC Reviews the faculty and staff performance by its self-appraisal form with respect to teaching-learning process, extra curricular activities and research contributions. In each Criteria minimum qualify marks are kept as bench marks. The Parameters are audited once in a year and give suggestions for improvement.

BEST PRACTICES THROUGH IQAC

- Dissemination of information on various quality parameters of higher education. Acting as a nodal agency of the Institution for coordinating quality-related activities.
- Development and application of quality benchmarks/parameters for the various academic and administrative activities of the Institute.
- Facilitating the creation of a learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process.
- Arrangement for feedback responses from students, parents and other stakeholders on quality-related institutional processes.
- Documentation of the various programmes/activities of the Institute, leading to quality improvement.

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); Feedback collected, analysed and used for improvements
2. Collaborative quality initiatives with other institution(s)/ membership of international networks
3. Participation in NIRF
4. any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc

Response: A. All of the above

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

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity and Institutional initiatives to celebrate / organize national and international commemorative days, events and festivals during the last five years

Response:

Since its beginning, SMCE has upheld equal opportunity for men and women without engaging in gender-based discrimination. Our academic, employment, and entrepreneurship programmes demonstrate this. In this regard, faculty and students often participate in gender-sensitive initiatives.

The institution has taken the appropriate safety and security measures during transportation. In order to keep an eye on student mobility and protect their safety, the college has monitoring systems in place at all the important locations on the campus, including the canteen, library, and sports facilities. CC cameras are installed throughout this process to monitor student behaviour and any questionable activity on campus. It aims to foster gender awareness within the organisation and foster peace on campus. The cell regularly provides group and one-on-one counselling to female students as part of its operations.

Common Room - For the needs of the female students, the institution offers a Common Room with facilities. The housekeeping team assures the cleanliness of common room.

The institution observes national holidays and remembers the birthdays and deaths of notable Indians in order to inspire morally upright and upright individuals of the present.

Independence Day is observed on August 15 by the institution to respect the illustrious past of our nation and to relive the spirit of patriotism. The pupils showcase numerous patriotic-themed cultural objects. These occasions will demonstrate how much our younger generation adores their nation and culture. This ceremony demonstrates the next generation's sense of patriotism and fosters a sense of duty for society and the nation.

Republic Day (January 26): The college observes Republic Day on that date each year. On January 26, 1950, the Indian Constitution officially took force, making it a significant day in Indian history.

National Mathematics Day is observed on December 22 in honour of Dr. Srinivasa Ramanujan's birthday. The organisation holds mathematics competitions and awards prizes to the winners.

Dr. Mokshagundam Visheshwaraiah's birthday is commemorated on this day, which falls on September 15th. Technical competitions are held at the department level on this day. Reputable visitors are asked to inspire the students and help them succeed as engineers by modelling their behaviour after a renowned figure.

Women's Day: To show appreciation and respect for the female faculty and staff at the college, the students plan Women's Day celebrations. Infant and maternal mortality ratio reduction was the main objective of the institution organizes women's health programme. The organisation of guest lectures on

technical and topics relating to women's health were conducted.

Dr. C.V. Raman's birthday is celebrated at the institution on February 28th, National Science Day. Competitions for quizzes and poster presentations are held, and winners receive awards.

National Youth Day is observed on January 12 by SMCE as part of the NSS unit. Different cultural and athletic events are held, and the victors receive rewards.

In order to keep the campus green, the institute plants trees every June 5 in honour of World Environment Day.

File Description	Document
Upload 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
Upload supporting document	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
Upload supporting document	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 diversity and Sensitization of students and employees to the constitutional obligations: values, rights, duties and

responsibilities of citizens (Within 500 words)**Response:**

The SMCE promotes an inclusive atmosphere where the SMCE accept cultural values and show respect for tolerance, harmony, and belongingness toward regional, linguistic, and community socio-economic diversity in order to uphold the highest ethical ideals, integrity, and professionalism. The institution is strongly devoted to encouraging inclusivity among our faculty and students.

The institution has undertaken the following actions/initiatives in this regard:

Every year, SMCE observes National Voters' Day, Republic Day, Constitution Day, and Independence Day.

Inclusive Environment is provided like barrier free environment, toilets for disable, supporting facilities, common room, doctor on call facility.

Institutional take cares about ragging issues, discipline issues by prior undertaking from students and parents.

At various festivals and occasions, faculty members and students will celebrate irrespective of religion and caste which learns about integrity of indian culture. Having perfect relationships and preserving religious, social, and communal harmony is advantageous. Similarly our staff and students enthusiastically and joyfully observe many festivals, which aids in the development of their sense of social and religious peace. Given that India is one of the most populous nations in the world, its diversity is exceptional. India offers a countless number of different physical characteristics and cultural traditions. There are numerous languages, cultures, and traditions follows by institution.

Institution plays important role to reduce barrier of language, regularly number of programs are conducting to address this issues. University and institution inculcating human values and ethics with the provision of syllabus in the curriculum and also with the faculty mentoring system. Extra Curricular Activities and co-curricular activities creates good personalities among the students, it is a place where students work together, communicate each other, understanding the need of one support, competitive spirit, individual recognition, emotional recognition and forgetting their individuality while doing the activities.

File Description	Document
Upload 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:**Title of the Practice**

Up Skilling Training

Our college has a separate training and placement cell headed by Training and Placement officer and co-ordinators from various departments. The department has its own objectives. As a result, training and placement has become a best practice in our college.

1.Objectives of the Practice

- Through one-on-one counselling and group sessions, help students identify their academic and career interests, as well as their short- and long-term goals.
- Maintaining and frequently updating the student database. maintaining a database of companies and creating useful connections for recruiting on campuses.
- assembling data on job fairs and all pertinent job adverts.
- coordinating with Companies to ascertain their criteria and hiring practises
- figuring out what the Companies want and anticipate will help them find the best individuals.
- arranging for students' pre-placement training, workshops, and seminars.
- To offer tools and activities that will make career planning easier.

2.The Practice

The placement officer, who is supported by a team of placement coordinators (two faculty members and four students representing each department), is in charge of overseeing campus recruitment.

Students have three options at the conclusion of their third year: campus placement, higher studies, or starting their own business. Only those who choose campus recruiting are eligible for the rigorous placement training. It is important to note that, up until the third year, regardless of the options they may have chosen, all students participate in the same training programmes.

For the purpose of effectively preparing students for on- and off-campus recruitment, a systematic strategy has been devised. Students in their first year were exposed to motivational speeches, basic soft skills instruction, and math training. Students in their second year receive instruction in developing their communication abilities, mathematical ability, and programming skills. Students in their third year received intensive training in both programming and math skills . Students in their final year receive intensive training for group discussions, technical interviews, and HR interviews with an emphasis on company-specific training.

To provide soft skill training and general aptitude training to the students, the placement cell welcomes outside experts and trainers from various academies. To improve students' aptitude, mental capacity, and reasoning abilities, online placement examinations are also regularly administered.

3. Evidence of Success

All the efforts made by the institution have resulted in note-worthy placement record. The track record limelights 182 students placed in 2017-18, 242 students in 2018-19, 199 students in 2019-20, 200

students in 2020-21, and 168 students in the last academic year i.e. on 2021-22. We are able to show the progress in training and placement overcoming the multiple problems and are working on many new ideas to improve the progress.

4.Problems Encountered and Resources Required

Motivating the students to diverse top MNC's for which lot of efforts and competative skills are required.Connectivity of industry experts as per the specfic requirement of the company is slightly lacking.

Title of the Practice

Innovations through Project Based Learning

1.Objectives of the Practice

- To create a collaborative innovation ecosystem among the students where the majority of participants are inspired to innovate in their area of interest.
- To inculcate project based learning incorporating latest technologies.
- To involve Hands-on Experience Practice for individual as well team work.
- To convert Innovations into applications for society.

2.The Practice

- The institution is focusing on technology inculcation in student projects to enhance their skill.
- The student participating in project works in their 4-2 semester as per curriculum.
- To enrich the project based learning institution is involving through innovation.
- To promote this students are given 360 degrees support to learn latest trends and technologies.
- To implement the latest methodologies faculty members and experts will give guidelines.

3.The Context

As per the JNTUK R19 curriculum, the students have to develop a project in 4 year 2 semester as main project. At the beginning of 4 year the students are divided into batches in such a way that the batch consists of students from Grades A, B, C, D and E.

Initiatives

- The student's projects are selected in line with department mission, vision and Program outcomes.
- Students are provided with brief idea of various fields for selecting their project work.

Project batch and guide allotment:

- 1.As per the University Guide line HOD forms the PRC Committee.
- 2.Students are instructed to form into batches and to register with the project coordinator of the department.

Timeline	Tasks	Particulars
Semester VIII		

1st Week	Project batch and guide allotment	Students are instructed to form into batches and to register with project coordinator of the department. They will receive project identification number which is used as reference throughout academic year. Students are allowed to choose the Project Guide based on their expertise
2nd Week	Project Titles	Students are instructed to submit the project title in Consultation with their respective guide to the project coordinator.
3rd week	Synopsis	Project review committee (PRC) will go through the project batch synopsis and approve to start the work.
5th week	First Review	Students submit the Required document and present a Power Point of proposed project work planned. (Evaluation phase I by PRC)
8th week	Midterm Review	Students submit Design document of the project and present a Power Point about the progress of the project work.(Evaluation phase II by PRC)
9th week	Final Review	Students submit Design document of the project and present a Power Point about the progress of the project work. (Evaluation phase III by PRC)
14th week	Final Demonstration	Students submit complete project report and give a PowerPoint presentation of the total project work for suggestions to submit the final report. (Evaluation phase III by PRC)

4.Evidence of Success

Every student gain for knowledge selected project regarding for that stream for present trending new technologies simultaneously useful through out the life span cycle

Every Student focus on conversion of project useful for the society community and individual.

5.Problems Encountered and Resources Required

Sometimes it is difficult to find resource as per the student requirement.

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

1 Academic Excellence through pedagogical initiatives

Sri Mittapalli College of Engineering is unrivalled in providing its students with a quality education by fostering their academic excellence and technical proficiency. It aims to inspire in its students a fresh perspective, original thought, and a strong conviction to achieve real achievement. Through pedagogical initiatives like ICT-Based Learning ,Project-Based Learning, to promote an equal and productive growth.

Our goal has always been to give students the kind of transformative education that will enable them to build a just, compassionate, and inclusive society. We want to help them become competent, compassionate, and conscientious engineers who pursue social change as empowered individuals and develop into leaders and transformative agents who significantly impact all facets of national and international life. We also put a lot of effort into helping slow and ordinary learners become quick learners by offering remedial sessions; as a result, the majority of our students scored between 60 and 70 percent on university exams.

2. Capacity Building of the students through community services, human values, ethics and morals

The NSS Unit of SMCE has been providing its services for more than a decade, deriving its inspiration from the phrase by Mahatma , "The Best way to find yourself is to lose yourself in the service of others." By participating in numerous initiative programs—including gender sensitivity, Swatch Bharath, blood donation camps, awareness campaigns in rural areas, and observance of all National Days—and devoting more than 240 hours per academic year to them, our students develop into civic personalities with human values. Our NSS Unit has gotten numerous compliments from the government, NGOs, and universities alike. By successfully participating in the National Youth Parliament -2022, National Integration Camp -2022, and Praja Tantra [A National Youth Festival] -2022, our students received positive feedback from JNTU Kakinada University as well as the Government of India.

3. Knowledge transfer through workshops,seminars and industry connects.

- Attending seminars and workshops is a procedure that helps transfer knowledge. how knowledgeable instructors and students distribute their knowledge, abilities, and behaviour
- A very broad variety of activities are referred to as knowledge transfer in order to support their students.
- When students interact with one another, they share knowledge, new skills, and ideas.

- Each learner successfully learnt a variety of tools and techniques. The teacher watches the weak pupils during this process and assigns them additional duties, such as jam sessions, esca talks, etc.
- By taking the initiative and offering more seminars and workshops with adequate resources, the institution is able to lessen these difficulties.
- Frequent Industrial Visits are arranged for practical oriented knowledge sharing.

4. Empowering students for Career growth and prospective

The Sri Mittapalli College of Engineering focuses on fostering equitable and productive growth and works to develop students' skills in line with market demands. By giving students a comprehensive education and emphasising all facets of professional development, SMCE also focuses on helping students improve their personal qualities. By conducting numerous activities including seminars by illustrious individuals, language development, and training in soft skills and communication abilities, we have continuously worked to improve the quality of instruction. by regularly running Career Guidance Cell campus recruitment training programmes. Eighty percent of our students were placed in all MNC Companies each year by using our training programme.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

- The institution is affiliated to JawaharlalNehruTechnologicalUniversity,Kakinada
- The Institution is having ISO:9000:2015 certification.
- The institution is accredited by NAAC in 2019 with B++ grade with 2.96 CGPA.
- The two departments were Accredited by National Board of Accreditation (NBA) In 2022.
- Two times secured prathiba awards from Govt of Andhra Pradesh.
- The Institution is Recognised as A grade college by Govt of Andhra Pradesh.
- The Institution is having 12 Functional MoU's for industry connectivity.
- The Institution is having State of Art Facilities,Infrastructue.
- The Institution is having active Professional Bodies in Each Department like CSI,IETE,ISTE,IAENG etc.

Concluding Remarks :

Sri Mittapalli College of Engineering (SMCE) stands as a synonym for quality education around the surrounding colleges. It was established in 2006 to impart quality Technical education to the society.

There are many best practices being followed in the Institute, as a result the Institute has made a name for itself in the region. Students from surrounding towns and villages join the institute to pursue their education. The management practices transparency and involves everyone in the decision making process and institutional building. The students and faculty maintain excellent rapport resulting in a conducive learning ambience in the campus. The management provides all the facilities that are required to carry out in teaching learning process, research activities and industry collaboration. The vision of the Institute is to become a leading institution in Engineering and Management education and all efforts are being made to achieve the vision in the near future.

6.ANNEXURE

1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
2.1.2	<p>Percentage of seats filled against seats reserved for various categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (Exclusive of supernumerary seats)</p> <p><i>2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>202</td> <td>245</td> <td>300</td> <td>206</td> <td>200</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>202</td> <td>245</td> <td>294</td> <td>206</td> <td>200</td> </tr> </tbody> </table> <p><i>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>202</td> <td>255</td> <td>294</td> <td>295</td> <td>310</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>202</td> <td>255</td> <td>294</td> <td>295</td> <td>310</td> </tr> </tbody> </table> <p>Remark : as per final observation</p>	2021-22	2020-21	2019-20	2018-19	2017-18	202	245	300	206	200	2021-22	2020-21	2019-20	2018-19	2017-18	202	245	294	206	200	2021-22	2020-21	2019-20	2018-19	2017-18	202	255	294	295	310	2021-22	2020-21	2019-20	2018-19	2017-18	202	255	294	295	310
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5.2.2	<p>Percentage of students qualifying in state/national/ international level examinations during the last five years (eg: JAM/CLAT/GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)</p> <p><i>5.2.2.1. Number of students qualifying in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/ Judicial Services/Public Prosecution services/All India Bar Exams/State government examinations) year wise during last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>13</td> <td>9</td> <td>15</td> <td>11</td> <td>8</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	13	9	15	11	8																														
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Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
13	9	15	10	8

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

Answer before DVV Verification:

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

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)

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
39	91	126	43	25

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
9	7	23	14	8

Remark : as per final observation

6.3.3

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
136	159	168	151	151

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
134	159	168	151	151

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

Answer before DVV Verification:

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

2021-22	2020-21	2019-20	2018-19	2017-18
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2.Extended Profile Deviations

ID	Extended Questions																				
1.1	<p>Number of students year wise during the last five years</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1318</td> <td>1231</td> <td>1204</td> <td>1262</td> <td>1364</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>1317</td> <td>1231</td> <td>1204</td> <td>1262</td> <td>1364</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	1318	1231	1204	1262	1364	2021-22	2020-21	2019-20	2018-19	2017-18	1317	1231	1204	1262	1364
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2.1	<p>Expenditure excluding salary component year wise during the last five years (INR in lakhs)</p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>336.83</td> <td>178.66</td> <td>301.48</td> <td>411.11</td> <td>346.55</td> </tr> </tbody> </table> <p>Answer After DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>336.38</td> <td>178.66</td> <td>301.48</td> <td>411.10</td> <td>346.55</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	336.83	178.66	301.48	411.11	346.55	2021-22	2020-21	2019-20	2018-19	2017-18	336.38	178.66	301.48	411.10	346.55
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