



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS

CHINTAGUNTA VILLAGE, NEAR C GOLLAPALLI,
517505

www.siddarthaedu.in

Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

(Draft)

1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

Siddartha Educational Academy Group of Institutions was established in the year 2009 with a view to imparting value based quality technical education to the students under the society founded by Sri Y Konda Reddy, Founder and Chairman. The college is located near C.Gollapalli, Chintagunta (V), Tirupathi in a sprawling campus of about 16 acres of land at the historic site where Sri Krishna Devarayalu stayed for some years.

The Institution is approved by AICTE, New Delhi & the Govt of AP and is affiliated to JNT University, Anantapur, Ananthapuramu representing a rich tradition of Excellence in technology based Education. It is also recognized under section 2(f) by UGC, New Delhi.

At the time of inception of the Institution, 4 UG Programs were offered with an intake of 240 and 1 PG Program with an intake of 60. Right now the Institution offers 7 UG Programs with an intake of 540, 4 at PG (Engg) level with an intake of 84 and MBA Course with an intake of 180.

The College has attained a good reputation in the Society over a decade through academic excellence. Since its inception the college has bagged 5 University ranks which include 1 gold medal and 4 Prathibha awardees.

The college takes all the efforts in moulding the students into good citizens, capable technocrats and self disciplined youth so that they are well equipped for their role as nation builders.

SEAGI constantly strives for excellence with excellent infrastructure with latest equipment in all the laboratories of all the departments, well-furnished library, attractive sports facilities both indoor and outdoor, an Epoch auditorium in addition to hygienic canteen.

The basic aim of the institution is to make the students good human beings and employable.

Vision

To create an advanced centre of professional learning of international standing where pursuit of knowledge and excellence shall reign supreme, unfettered by the barriers of nationality, language, cultural plurality and religion

Mission

Imparting value based quality education of international standard and imbibing skill for solving real life problems, creating leadership qualities with perspective futuristic vision and instilling habit of continuous learning.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- Siddhartha Educational Academy Group of Institutions is in its 14th year of educational service.
- Siddhartha Educational Academy Group of Institutions is enriched with a passionate team of teaching Faculty from good academic backgrounds.
- High retention rate of qualified and competent faculty members across all the departments.
- Eco-friendly ambience for effective learning of students.
- Qualified and experienced faculty & dedicated staff.
- Good academic culture, ambience and working environment leading to high satisfaction of students and faculty.
- Management supports in upgradation of faculty qualifications and encourages good academic practices.
- Campus placements are adequate.
- Students career counseling for studies is well organized and structured.
- Mentor system focused on regular monitoring of attendance of students and their performance in examinations.
- Has been participating actively in NPTEL and SWAYAM.
- Well-equipped Teaching-Learning system supported with Laboratory facilities for which consistent ranks and high pass percentage in the JNTU University Examinations.
- One Gold Medal and 4 PRATHIBHA awards.
- Since inception of the college, our students have bagged 5 university ranks out of which 1 is a Gold medal and 4 are Prathibha awardees.
- All the class rooms are equipped with LCD projector and internet connection for providing better learning experience to the students.
- we are having book bank housing 178552 books on 13241 titles.
- Placement and training cell offers training to students for placement and competitive examinations spread over throughout the course study.
- Digital library with e-learning resources.
- Wi-fi enabled campus.

Institutional Weakness

- R & D and consultancy activities are limited and research culture needs to be strengthened.
- Considerable number of students are from rural background with a dearth in communication skills.
- Industry institution interaction needs to be enhanced.
- MoUs with industries and training institutions need to be improved.

Institutional Opportunity

- Having proximity of premier institutions like IIT –Tirupati, S.V. University, Tirupati, IISER, Tirupati, SPMVV, Tirupati, IIIT- Sri City, IIT-Tirupati and reserve infracity so that more collaborative research work can be carried out.
- Preparing students for competitive exams like GATE, CAT and Engineering services etc.

- Offering value added courses/online courses/Certification programmes.
- Use its alumni base for institutional growth.

Institutional Challenge

- Quality of student intake in certain departments due to change in preferences.
- Availability of quality faculty interested in teaching.
- Limitation in financial resources.
- As tuition fee is regulated, resource base could be affected.
- Placement of rural background students into good companies.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

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- Our Institute adopts the curriculum framed by the affiliating university. The formulated curriculum is strictly followed.
- The curriculum imparts transferable and life skills through subjects such as Human Values and Professional Ethics, Skills Development courses - Soft skills, Communication skills and Technical skills, Economics and Finance and co-curricular activities which train students in all aspects, striving towards technological and human excellence.
- Based on the academic calendar issued by the affiliating university, the semester plan is prepared. Accordingly, curricular, co-curricular and extracurricular activities are planned and conducted.
- Allotment of subjects including open electives is done by the HOD in consultation with faculty and their choice and preference.
- A detailed lesson plan is prepared by the concerned faculty member for the allotted subjects focusing on outcome based education and Bloom's taxonomy. For each course, a question bank/laboratory manual is prepared which is scrutinized at department level and then approved by the academic council and distributed to the students.
- With a view to making the students understand and grasp the subject, teaching aids like charts, projectors and ICT class rooms are used.
- Based on the assessment of performance of students, remedial classes are planned for slow learners.
- A mentor is appointed for every 20 students to closely monitor the progress of the students and advise the students for further progress.
- Students are encouraged to undertake mini projects related to internships, community services and socially relevant themes as given in the university curriculum
- It is mandatory now for the students to complete at least one online certification course through SWAYAM / NPTEL (MOOCs) platform from either an open elective list or a professional elective list given by the university.
- Various activities to support human values, environment and sustainability and gender sensitization are organized by departments to enhance and hone individual talents and ensure overall development of the student.

- In order to be responsive to the quality needs, a comprehensive feedback is collected from stake holders which include development aspects of curriculum, course delivery, faculty, infrastructural facilities, laboratories, etc. Suitable corrective measures are taken based on analysis of the feedback. Curriculum gaps, if any, are identified and these gaps are filled by conducting value added courses, workshops, seminars and industrial visits etc.

Teaching-learning and Evaluation

Including both UG and PG students, the average enrollment rate for the past five years is 56.45%. Students are admitted to the college in accordance with the rules and regulations of the Andhra Pradesh State Government. The institution maintains full-time faculty student ratio as per AICTE norms and for the current academic year the Student Teacher ratio is 1:15. SEAT employs a teaching strategy that emphasizes education delivery using a student-centric, outcome-based approach. Sincere efforts are made to meet the needs of both advanced and slow learners.

Students are insisted to develop and enhance the learning experience through the student centric methods such as experiential learning, participative learning and problem solving methods. The institution is equipped with modern ICT tools to improve an effective teaching learning process. The institution has a good and sound mentoring system to solve both academic and personal issues of the students and the ratio of student to mentor is 1:20.

The institute recruits well qualified and experienced faculty as per norms. The courses are assigned to the faculty based on their specializations. Innovative processes in Teaching and learning like ICT tools and modern pedagogical techniques are adopted by the faculty.

The periodic internal assessments are conducted to assess the student's performance. The students' grievances with respect to external examinations are redressed through the centralized exam cell of the institution as per the university norms. Any discrepancies or issues in internal assessment are solved by the concerned faculty and Head of the Department. A set of PEOs, POs and PSOs are formulated for every program based on the 'outcome-based education' approach. Students are educated on POs, PSOs, PEOs (also displayed in website). The institution systematically checks for attainment of outcomes and reviews the Teaching- Learning strategies.

Research, Innovations and Extension

With a view to fostering a culture of research and innovation, our institution has initiated the process of establishing a good infrastructure for research and also is encouraging faculty and students to carryout research and development activities. As part of enhancement of faculty members' qualification, the institute encourages the faculty to register for pursuing part-time Ph.D. and in inevitable cases full-time Ph.D.

A grant was received from DST, Government of India for Rs. 28 Lakh in physical sciences division. Another project under SERB, physical sciences division, was applied in 2021 to the tune of Rs.30 Lakh.

One international patent and two national patents have been granted for their innovations to 3 of our faculty members in 2020 and 2021. Our faculty have published 51 Research papers in UGC, National and

International journals during the last 5 years, 11 book chapters in reputed publications.

In the last 5 years, our institution has organized 49 workshops / seminars towards Industry-Academia innovative practices and Intellectual Property Rights. The Institution's Innovation Council strives to create a vibrant innovation ecosystem on the campus and provides a forum for scouting ideation and Pre-incubation of prototypes. An IPR cell is established to guide our faculty for patent filing and an entrepreneurship development camp was conducted in 2019 and it was sponsored by entrepreneurship development council of India under an Entrepreneurship Development Cell to create an entrepreneurial ecosystem which provides a forum for students to translate an idea into a fundable technology business. Incubation support has been offered to the students and alumni who are interested to start their own ventures on campus.

The institution encourages promotion of community services in and around our college as well as our NSS adopted village. Under NSS, sponsored by affiliating university, several extension and outreach programmes were conducted during the last 5 years. Three exclusive camps such as awareness camp, vaccination camp and COVID precautionary camp were conducted at the college as well as in the adopted village taking the help of Grama Sachivalayam staff during the period of COVID-19. Awareness programs on DISHA App were conducted with the help of AP State Police and the local Grama Sachivalayam staff for the safety and security of women. A blood donation camp is conducted every year through either Government SVRR Hospital or Red Cross.

Over the span of next 5 years, our Institution encourages the students to undertake internship through LMS of affiliating university and APSICHE. Students are encouraged to undertake community service projects and socially relevant projects through field-trip. Our institution has signed MOUs with 09 organizations which spread an ecosystem for innovation and other initiatives for creation and transfer of knowledge under an industry Institute Interaction cell to bridge the gap between industry and academia. Various industry-led activities and MOUs have been helping the students to make them industry-ready

Infrastructure and Learning Resources

The Institute has a sprawling and lush green campus spread over 16.6 acres with modern buildings, technology-enabled classrooms, well equipped laboratories, Faculty rooms, Seminar, Tutorial, Conference halls, Examination cell and Restrooms. The administrative area includes offices for Chairman, Secretary, Principal, Board meeting hall, college administrative office etc.

The student support facilities include refreshment cum mini bookstore, intercom facility, state of the art auditorium, spacious modern placement cell cum counseling, sports room etc. Spacious guest rooms, Canteens, Indoor auditoriums, Spacious play fields for outdoor and indoor games are available in the campus.

Uninterrupted power supply through generators set, RO treated purified drinking water facility are available across the campus to all staff and students. Ramp and wheel chair facilities are available in the campus.

Library as a Learning Resource

The central library houses 27056 volumes of books and a huge collection of CDs. The library has subscribed to JNTUA library consortia of E-resources – KNIMBUS covering E-Resources, E-Journals, E-Books, Magazines, NEWS, Multimedia, Videos, CEP and Study Tools. In addition, National journal package, International and National conference proceedings package, International and National books package. A separate social

welfarebook banking facility is also available. An exclusive language lab with 60 computers and internet facility is available for the students to conduct courses for their language skills enhancement.

In the central library, the licensed software of NewGenLib is an integrated library management system (ILS) which is also known as library management system(LMS), consisting of 9 modules, has been installed. It also maintains all the activities of the library such as transactions, Cataloguing, Data Updating/ Editing, Serial control, searching all types of documents, Report generating etc.

ICT Infrastructure

The college is equipped with high configuration internet connected computers. Servers with high end configuration with latest software are deployed in all computer labs. A dedicated lease line of 300 Mbps bandwidth with Wi-Fi networking is being offered. E-content development center and ICT enabled seminar halls available in the college help the faculty to deliver ICT enabled lectures.

Maintenance of Infrastructure

Standardized, well established procedures are implemented for the routine upkeep of the infrastructural facilities. Various maintenance committees that are headed by HODs, have been constituted which submits periodical reports on stock verification and maintenance in every year. Based on the recommendations of the committee, provision is made in annual budget.

Student Support and Progression

Our institution provides a number of Student support activities for academic excellence and overall development of the students.

Every year, students avail various State and Central government scholarships. In addition, NGO agencies like RDT, Ananthapuramu and Sri Krishna Devarayalu Trust provide various scholarships to needy students.

With the intention of enhancement of skills of students for employability through various initiatives like soft skills training, improvement of language and communication skills, efficient life supporting skills like yoga, physical fitness exercises, health and hygiene programs and also imparting of job oriented ICT, computing and programming skills are given to all the students in a regular manner.

Placement training programs are planned systematically and conducted throughout the course of study for the students to excel and be ahead in the competitive environment. Majority of the eligible students are getting placed in different companies every year through campus placement.

Guidance is given to advanced learners by the concerned teachers to better the performance. Their performance in curricular, co-curricular and extra-curricular activities is also motivated. Special attention is paid to slow learners by conducting remedial classes. They are also encouraged, motivated personally and academically counselled.

The Students' Counselling & Grievance Redressal Committee has a transparent mechanism for timely redressal of grievances. Ragging is totally prohibited in the institution and measures are taken to curb the ragging through anti-ragging cell.

The campus training and placement cell is encouraging to get trained and placed in different companies and also students are encouraged to proceed to higher education in India and abroad.

Right from the inception of the college, students are encouraged to appear for state, national and international level examinations like GRE, TOEFL / IELTS and state government examinations. Coaching is in the form of discussion in the class, providing material, allowing the students to procure material through coaching academies etc. A quite good number of students have gone abroad to countries like USA, UK, Canada, France, Italy, Australia, New Zealand etc and some students are settled in those places. The institution encourages and motivates students to partake in sports and games. Some of the students have participated in sports and games and have been selected for Kabaddi, Judo, Hockey and Football at University, State and National level. Moreover, every year the institution organizes sports and cultural competitions for students to encourage and showcase their talents.

There is a registered Alumni Association which contributes significantly to the development of the institution. Alumni Meet is being organized every year. Alumni are supporting the institution in the form of expert lectures, internships, placement and other activities.

Governance, Leadership and Management

The governance and leadership are in accordance with vision and mission of the institution. As per the guidelines of our institution, the various institutional practices such as decentralization and participation in the institutional governance, are carried out. In addition, our Institution provides quality technical education with strong fundamentals and moral standards that enable students to excel in their respective field of study. The leadership of the institute believes in participative management and strives to bring excellence by structured organizational system with the involvement of all the stakeholders.

The Institution has a strategic plan for its development. The future requirements of infrastructure, human resources, finance are envisaged at the meetings of the Governing Body, which formulates the action plan. Regular meetings of all the stakeholders are held, and the resolutions are placed before the Governing Body for perusal. The Governing Body meets periodically to discuss on planning and execution of various academic and administrative activities

The other statutory bodies also meet and discuss the implementation of these resolutions passed. The Management, Principal, Director and Heads of Departments constantly interact and motivate members of faculty, administrative and supporting staff on issues relating to academic progress, administrative transparency and quality measures that are being implemented in the Institution.

The Principal, Director, HODs and faculty members are actively involved in executing the action plans and policies for fulfilment of the Vision and Mission of the institution. Various committees have been constituted with senior faculty members as conveners in the college and entrusted with the responsibility of implementing the programs and policies and to ensure that these committees function effectively for achieving the goals of the institution. Internal Quality Assurance Cell (IQAC) plays a crucial role in implementation of institution's quality plans. Academic and Administrative units work in coordination, to achieve quality.

The Institution has implemented e-governance in the following areas to make the process simple, accountable, transparent and better reach.

- Administration
- Finance and Accounts
- Student Admission and Support.
- Examination
- Library

The institution mobilizes the funds and runs through the tuition fees of the students. The institute makes budgetary provision in advance. As per the budget, financial resources are made available for the effective functioning of the college. A well-defined mechanism prevails to monitor the usage of funds.

The institute applies regularly for NIRF and AISHE. The institute is certified with ISO Certification 9001 and 14001 from 2022.

Institutional Values and Best Practices

With regard to institutional values and best practices, the institution follows all the rules as per the statutory requirements with respect to academics, finance and administration and maintains complete transparency in all its activities.

As part of decentralization, representatives of faculty, nonteaching staff and students participate in various Committees of the institution. E-governance has been implemented for the purpose of admissions, finance and accounts and examinations using the in-house developed software.

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

The institution has adopted an environment friendly approach in maintaining the campus with continuous attention towards tree plantation and adopting water harvesting methods. Moreover, our institute is a gender friendly environment campus to build harmonious relations between boys and girls and respect for each other.

Our institute celebrates national and international commemorative days, events and festivals every year. Four solar street lamps are erected in the college campus and few more are expected to be erected in the near future as part of energy conservation also as an alternative energy source. Degradable wastes are converted into compost using vermicomposting method and this is used to grow vegetables in the adjoining fields of the building.

As part of the green campus initiatives, LED bulbs and solar street lights are maintained. Based on the green audit of our campus, ISO has recognized and awarded us with 14001 respectively. As part of the beyond the campus environmental promotion activities, a village near the college, C.Gollapalli has been adopted by us and clean and green activities have been carried out and also the villagers of adopted village are educated mainly on environmental friendly practices.

Promotion of awareness about social issues, National values, and Human values are practiced through NSS.

Apart from courses offered in the Curriculum on Human Values and Ethics, the student Training and Placement cell also participates in thoroughly nurturing professional ethics through the training of students.

Best practices of the Institute are mainly focused on Outreach activities through NSS. Meticulous efforts are taken for years for a smooth transition of traditional Teaching-Learning processes to activity-based learning. Institute's distinctiveness is a Green campus where environmentally friendly practices and education combine to promote sustainable and eco-friendly practices in the campus. The green campus concept offers the institution an opportunity to take the lead in redefining its environmental culture and developing new paradigms by creating sustainable solutions to environmental and social needs of the students and faculty members. The Institute follows some green campus features like Solar street lights, Rain water harvesting, Tree plantation, use of LEDs, Roof top solar panels for generating additional power etc.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS
Address	Chintagunta village, Near C Gollapalli,
City	TIRUPATI
State	Andhra Pradesh
Pin	517505
Website	www.siddarthaedu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Dr.K Rajasekhar	0877-2242829	9441403646	-	siddarthaedu@gmail.com
IQAC / CIQA coordinator	S BHASKAR	0877-2251400	8801605115	-	bhaskar.197@gmail.com

Status of the Institution	
Institution Status	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, Anantpur	View Document

Details of UGC recognition		
Under Section	Date	View Document
2f of UGC	22-08-2022	View Document
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	03-06-2023	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	Chintagunta village, Near C Gollapalli,	Rural	16.6	19710.69

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/ Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BTech,Civil Engineering,	48	As Per Guidelines Specified by APSCHE	English	30	4
UG	BTech,Electrical And Electronics Engineering,	48	As Per Guidelines Specified by APSCHE	English	30	30
UG	BTech,Mechanical Engineering,	48	As Per Guidelines Specified by APSCHE	English	30	12
UG	BTech,Electronics And Communication Engineering,	48	As Per Guidelines Specified by APSCHE	English	120	91
UG	BTech,Computer Science And Engineering,	48	As Per Guidelines Specified by APSCHE	English	180	162
UG	BTech,Computer Science And Engineering Artificial Intelligence And Machine Learning,	48	As Per Guidelines Specified by APSCHE	English	90	32
UG	BTech,Computer Science And Engineering Artificial Intelligence,	48	As Per Guidelines Specified by APSCHE	English	60	34
PG	Mtech,Civil Engineering, Structural Engineering	24	As Per Guidelines Specified by APSCHE	English	24	4

PG	Mtech,Electronics And Communication Engineering, Digital Electronics and Communication Systems	24	As Per Guidelines Specified by APSCHE	English	12	0
PG	Mtech,Electronics And Communication Engineering, Embedded Systems	24	As Per Guidelines Specified by APSCHE	English	24	4
PG	Mtech,Computer Science And Engineering,Computer Science and Engineering	24	As Per Guidelines Specified by APSCHE	English	24	0
PG	MBA,Management,	24	As Per Guidelines Specified by APSCHE	English	180	48

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				9				117			
Recruited	4	1	0	5	5	4	0	9	75	42	0	117
Yet to Recruit	0				0				0			

Non-Teaching Staff						
	Male		Female		Others	Total
Sanctioned by the UGC /University State Government						0
Recruited	0		0		0	0
Yet to Recruit						0
Sanctioned by the Management/Society or Other Authorized Bodies						63
Recruited	42		21		0	63
Yet to Recruit						0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				8
Recruited	7	1	0	8
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.	4	1	0	5	3	0	0	0	0	13
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	1	0	75	42	0	118
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	231	0	0	0	231
	Female	134	0	0	0	134
	Others	0	0	0	0	0
PG	Male	21	0	0	0	21
	Female	35	0	0	0	35
	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	22	24	22	52
	Female	14	12	4	24
	Others	0	0	0	0
ST	Male	2	5	3	5
	Female	1	1	0	4
	Others	0	0	0	0
OBC	Male	116	116	123	148
	Female	65	57	39	62
	Others	0	0	0	0
General	Male	106	100	124	155
	Female	82	70	67	88
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		408	385	382	538

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	<p>Siddartha Educational Academy Group of Institutions adheres to the National Education Policy's (NEP) goals by offering top-notch instruction to support the development of our nation's human resources into global citizens. Siddartha Educational Academy Group of Institutions encourages a multidisciplinary approach in both its academic and extracurricular activities so that students can learn about and experiment with various courses from various fields of study. In this approach, in addition to the study of Science, Technology, Engineering, and Mathematics, the prescribed curriculum from JNTUA includes some courses on humanities, Management Science, Managerial Economics, and Financial Accountancy, etc. The main views of NEP, such as diversity for all curricula and pedagogy with technology advancements in teaching and learning, supporting rational decision-making and innovation critical thinking, and creativity, were brought up in a conversation among the faculty members. Students are urged to complete projects that are interdisciplinary or cross-disciplinary. The Institute Innovation Council help students acquire transdisciplinary abilities. Students are also urged to join teams from diverse academic fields to take part in activities like hackathons. Since SEAGI is affiliated with JNTUA, Ananthapuramu it is necessary to follow the curriculum in accordance with the CBCS guidelines established by the university. College will definitely think in providing more Multidisciplinary/interdisciplinary direction, once it gets autonomous status.</p>
2. Academic bank of credits (ABC):	<p>Siddartha Educational Academy Group of Institutions is already registered on National Academic Depository (www.nad.digilocker.gov.in), all the students were registered in the NAD. Training sessions would be scheduled for faculty members on how to use this facility enabling seamless integration of all stakeholders, we are affiliated to JNTUA and we identify the gaps in curriculum provided by JNTUA and try to enhance the same by encouraging the students to join online courses in NPTEL, Swayam, etc., we also have Add-on/ value added courses to bridge the gap, reference the location, skill sets of the students. Faculty members try to develop Add-on/ Value added courses to enhance the employability of the students, that can be in any form</p>

<p>3. Skill development:</p>	<p>like theory, practical, project work or Internship.</p> <p>Numerous skill-oriented courses have been added to the curriculum by our affiliated university in response to the growing need for skilled labour in both public and private sector companies. Our college is following both the letter and the spirit of the curriculum set forth by our affiliated institution. For accelerating skill development, add-on programmes and curriculum expansion are essential. With the assistance of highly qualified professionals and resource persons (outside and in house faculty), SEAGI has carried out personality development, skill development, and life skills-based activities. Siddartha Educational Academy Group of Institutions has a specific plan to follow: ? To develop workplace -related skills and attitudes through internship and on the job training. ? To focus on inclusion of good practices and innovations in teaching-learning Facilitating horizontal mobility of vocational students ?To collaborate with industries for imparting practical skills and hands-on experience and design industry relevant courses ?To introduce new learning methods with ICT Tools - Massive Open Online Courses(MOOCs) and flipped classroom for training and empowering teachers ?Developing and implementing a holistic assessment and evaluation system. ?To measure the achievements of learning outcomes by outcome-based education system for 360-degree assessment and evaluation of students.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):</p>	<p>In the higher education system, we have been estranged from our knowledge history for a few decades. In order to do this, we must re-engage with regional languages, the language in which our knowledge is rooted. New textbooks, curricula, and multimedia content that can be taught in classrooms both on- and off-line must be developed. SEAGI is organizing International Yoga day, Ugadi and Sankranthi festivals Ganesh Chaturthi, Dasara and Diwali every year. International Women's day and other important days related to cultural heritage are organized every year. Imbibing and practicing this knowledge will be the key trait of aspiring leaders of the future we believe. College is now stimulating events on Indian Knowledge System to the students so that they know the importance of what's right, with a logical framework for making ethical</p>

	<p>decisions. As our college is affiliated to JNTUA, Ananthapuramu and is mandatory to implement the curriculum as per the Choice Based Credit System (CBCS) prescribed by it. As the SEAGI is situated in a rural area, students with lack of communication skills in English are getting admitted. Hence our faculty is in the habit of using bilingual mode wherever necessary particularly while explaining concepts to enrich their level of understating. More efforts will be made in the direction even in the years to come.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The Institute has effectively implemented the Outcome Based Education (OBE). The vision, mission, PO, PSO & CO of various programs are framed to support OBE. The PSO's are prepared by the departments for their respective program. The course outcomes are prepared for each course offered by selecting an action verb using Bloom's Taxonomy by the affiliating university. The PO, PSO, CO are published at: ? Institute website; ? Department website ? Departmental notice board ? IQACchamber; ? Principal & HOD's chamber, facultyrooms ? Class room, seminar hall, corridors; Library ? Course file, laboratory file, project file ? Laboratory notice board To sum up, learning outcome of the programs and courses are discussed with students at the beginning of the courses and the PO, PSO and CO's are incorporated in the curriculum for display on university and college website which can be accessed by all the stakeholders namely students, employer and alumni.</p>
<p>6. Distance education/online education:</p>	<p>As the college is affiliated to JNTUA, Ananthapuramu, our college has implemented the online courses prescribed as part of the curriculum. Our students are pursuing online courses through online mode through National Schemes like SWAYAM NPTEL Course Era, Udemy etc. The credits obtained through these online courses are being considered for the award of their final degree. Our college is encouraging faculty members to take online classes after the college hours to enrich knowledge among students. Our college has offered full support in their endeavor to provide education at the doorsteps of students. During COVID-19pandemic our college switched over to virtual mode of teaching through through Google Meet, etc. This institution is already prepared, especially duringCOVID-19 pandemic situations and</p>

	teaching learning process through different online modes. Our college is not approved to run the course on distance mode, hence we are not offering any course on distance mode.
--	--

Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes, Electoral Literacy Club (ELC) has been set up in the College. The primary objective of ELC is to sensitize the student community about democratic rights which includes casting votes in elections.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	Prior to the setting up of Electoral Literacy Club (ELC), NSS cell was conducting the electoral literacy related activities. Voter awareness program was conducted by our students during the previous general election time. Republic day, Independence day, Constitution day and National voter's day are being conducted regularly to sensitize the students about democracy and the importance of Vote in democracy
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	Voter awareness program was conducted by our students during the previous general election time. Republic day, Independence day, Constitution day and National voter's day are being conducted regularly to sensitize the students about democracy and the importance of Vote in democracy.
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	The 2nd, 3rd and 4th year students who crossed 18 years of age are enrolled as voters. And the students admitted into first year B.Tech, upon the attainment of 18 years age, will be guided to enroll as voters.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
1365	1470	1478	1292	1356
File Description		Document		
Institutional data in prescribed format		View Document		

2 Teachers

2.1

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

Response: 131

File Description	Document
Institutional data in prescribed format	View Document

2.2

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

2022-23	2021-22	2020-21	2019-20	2018-19
131	134	142	142	145

3 Institution

3.1

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

2022-23	2021-22	2020-21	2019-20	2018-19
168.18	164.54	192.97	87.29	98.3
File Description		Document		
Upload Supporting Document		View Document		

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

1.1.1

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

Response:

Siddartha Educational Academy Group of Institutions, approved by AICTE and affiliated to Jawaharlal Nehru Technological University, Ananthapuramu, follows strictly the curriculum and regulations prescribed by the university. This curriculum is revised periodically by the university Board of Studies. The university publishes the academic calendar for both the semesters. Academic calendar provides details regarding date of commencement of academic session, duration of semester, period of internal assessments and semester MID& end examinations in an academic year.

SEAT follows strictly the academic calendar pertaining to curriculum, regulations and Continuous Internal Evaluation as published by JNTUA University. In the beginning of every semester academic calendar is framed by the Institution in accordance with the academic calendar of JNTUA, Ananthapuramu. In addition, the institution and departments design their own academic calendars in tune with JNTUA Academic calendar. The allocation of each course to the faculty members is based on their willingness and finalized by HOD on the basis of faculty's technical skill, competency level, experience, students' feedback and academic performance. The faculty member will prepare lesson plan and mode of delivery inline with the schedule of the academic calendar.

Academic calendar of the college is prepared by a team of senior Faculty members of the Institution in consultation with Principal and HODs. In accordance with the Institution academic calendar, the HoDs of concerned departments prepare the academic calendar of the department by incorporating the various academic, co-curricular activities and meetings to be organized in the department like faculty meeting with HOD etc. In the beginning of the academic session the students are apprised of academic calendar and same is uploaded in college website and displayed on notice boards at all locations.

The College has an Exam Cell(EC) comprising of a senior faculty member and a team of teaching staff. The EC holds the responsibility for all exam related activities. This is done through coordinated efforts of the faculty members. The question papers are set to test various cognitive levels of the student as per Bloom's Taxonomy. A detailed scheme of evaluation is prepared for every course prior to start of evaluation of the answer scripts.

A timely evaluation of answer scripts for all courses is ensured as per the directions of Principal and HODs. The answer scripts are issued to the students to verify the scheme of evaluation with the marks awarded by the course handling faculty members. Complete transparency is ensured while returning the answer books to the students and the key with scheme of valuation is informed to the students. Finally, the marks are entered in the University Examination portal by the faculty members.

File Description	Document
Upload Additional information	View Document

1.2 Academic Flexibility

1.2.1

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

Response: 53

File Description	Document
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	View Document
Institutional data in the prescribed format	View Document

1.2.2

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

Response: 72.45

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

2022-23	2021-22	2020-21	2019-20	2018-19
1405	1184	595	1091	768

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

1.3 Curriculum Enrichment

1.3.1

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

Response:

In order to unify the cross cutting issue spertinent to Gender, Siddartha Educational Academy Group of Institutions has constituted committees such as Women Empowerment Cell and Grievance Redressal committee. These committees are formed to elevate gender equity and also deal with related issues of safetyand securityof female students, women staff, faculties and employees. Various programmes like "Elimination of Violence against Women", "POSHACT", "Gender Equality Day", "The role of women in our Society" events were organized through Women Empowerment Cell.

In order to integrate the cross cutting issues relevant to environment and sustainability, JNTUA University has included the following different types of courses in the curriculum to develop awareness among students about environment and sustainability.

Universal Human Values;

Environmental Engineering – I;

Environmental Engineering Lab;

Socially Relevant Project;

Constitution of India;

English Language Skills;

English Language Skills Lab;

English Language Communication Skills Lab;

Research Methodology;

Environmental Engineering;

Environmental Science;

Soft skills;

Management Science,

Organizational Behavior,

Entrepreneurship.

List of courses along with detailed syllabus is attached.

Many Projects are under taken by final year students relating to environmental issues like solar based fasttag charger for electrical vehicles, safety ensuring system for passenger boats,cultivation of plants under artificial environmental parameters to enhance productivity rate etc. Sustainability issues such as use of natural resources in building construction analysis, Waste utilization, Planning analysis design and estimation of a (G+2) college and residential buildings, Water sustainability by using integrated water shed management, use of waste plastic in construction of Bituminous road, Structural analysis and design of multi storied commercial building,Performance of concrete by replacing fine Aggregate etc. are also dealt with projects. List of projects are attached.

In order to sensitize students about the environment and sustainability issues, a number of activities such as seminars, workshops, guest lectures, industry and field visits were organized for students of all programmes. Environment Day, Earth Day, World Ozone Day, World Water Day are celebrated every year, where students actively participate. Workshops and seminars on various aspects of environment sustainability are also organized intermittently.

In order to integrate the cross cutting issues relevant to human values and professional ethics, JNTUA University has included different types of courses in the curriculum.This creates perception on business ethics and humanvalues among students. As an essential part of student engagement in social activities the college also mandates that majority of the students enroll as NSS Volunteers. It aims at inculcating values,ethics and social responsible qualities. Students organize awareness campaigns and Health check-up camps, Blood donation camps and plantation at the adopted villages.

File Description	Document
Upload Additional information	View Document

1.3.2

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

Response: 50.26

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

Response: 686

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

1.4 Feedback System

1.4.1

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

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

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

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1

Enrolment percentage

Response: 56.45

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

2022-23	2021-22	2020-21	2019-20	2018-19
394	391	559	383	522

2.1.1.2 Number of sanctioned seats year wise during last five years

2022-23	2021-22	2020-21	2019-20	2018-19
804	804	744	816	816

File Description

Document

Institutional data in the prescribed format

[View Document](#)

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

[View Document](#)

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

[View Document](#)

2.1.2

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

Response: 68.01

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

2022-23	2021-22	2020-21	2019-20	2018-19
211	169	216	135	228

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

2022-23	2021-22	2020-21	2019-20	2018-19
285	284	263	289	289

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

2.2 Student Teacher Ratio

2.2.1

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

Response: 10.42

2.3 Teaching- Learning Process

2.3.1

Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences and teachers use ICT- enabled tools including online resources for effective teaching and learning process

Response:

Siddhartha Educational Academy Group of Institutions provides an effective platform for students to develop latest skills, gain knowledge, to learn ethics and values to shape their career in the correct manner. All the departments implement student centric activities which foster the creative abilities of the students and provide them a platform to develop their problem-solving skills and ensure participative learning. The institute organizes annual technical events in which students showcase their technical skills through various technical activities. Faculty members take efforts in making the learning activity more interactive by adopting the following student-centric methods.

Experiential Learning: Each department conducts various activities to enrich experiential learning. The institution motivates and facilitates the following experiential learning practices to enhance creativity and cognitive levels of the students –

1. Internship -Students get hands on training while working in the company.
2. Recommend project development on latest technologies by the students.
3. Industrial Visits to provide real-world exposure.
4. Participation in the events such as Yantra,Spark,Vistas,Sahasra, Elite,where students acquire experience of working on some real-life problems.

Participatory Learning: In this type of learning, students participate in various activities such as seminar, poster presentation, spoken tutorials, Video lectures, Language Lab, PowerPoint presentation, Webinars, Case Studies etc. Students are encouraged to participate in activities where they learn and apply their specialized technical/management skills, such as Courses on various technologies with NPTEL, Spoken tutorial, Microsoft etc.

A. Curricular

1. Seminar Presentation – Students present seminar on cutting edge technologies.
2. Paper Presentation/publication - Students present/publish papers based on their B.Tech., project work in conferences and journals

B. Co-Curricular

1. Annual Technical Event (Sankalpa) – Organized every year for all the students where technical events are conducted at national level.
2. Professional Bodies: The professional bodies like APSICHE,provide platform to take part in various activities.
3. Student Clubs: The students clubs like Google Developers Club, IT Tech club conduct several events to develop leadership qualities and interpersonal skills.

Problem-solving methods: Students are involved in various problem-solving methods through

1. Final year Project development
2. Mini Project Development
3. Project based learning
4. Programming/Quiz Competition

ICT tools like Google Classroom, Google Drive, and Modules are used to create, communicate, circulate, store and manage information. College facilitates various ICT tools like interactive digital whiteboards, laptop/computers, LCD projectors, wired internet facility, Wi-Fi for learning in the class room/laboratories.

C. Extra-Curricular

1. Annual Cultural Program (NAV TARANG) – Organized every year for all the students of the college to provide platform to showcase their talent in singing, dance, drama etc.
2. Extension Activities - Through student associations, NSS students take part in extension activities to provide services to society.

File Description	Document
Upload Additional information	View Document

2.4 Teacher Profile and Quality

2.4.1

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

Response: 100

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

2022-23	2021-22	2020-21	2019-20	2018-19
131	134	142	142	145

File Description	Document
Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)	View Document

2.4.2

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

Response: 6.63

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

2022-23	2021-22	2020-21	2019-20	2018-19
15	8	8	7	8

File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	View Document
Institution data in the prescribed format	View Document
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	View Document

2.5 Evaluation Process and Reforms

2.5.1

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

Response:

The institute has devised an efficient mechanism to deal with examination related grievances which are transparent in the pattern and conduction of CIE and rectification of grievances is time bound.

The college follows strictly the guidelines and rules issued by the affiliating JNTUA University while conducting internals and semester-end examinations.

There is complete transparency in the internal assessment and Semester–end examination.

- At the beginning of the semester, faculty members inform the students about the various components in the assessment process during the semester.
- The internal assessment test schedules are prepared as per the university and communicated to the students well in advance.
- To ensure proper conduct of formative tests, two invigilators are assigned to each hall. Evaluation is done by the course handling faculty members within three days from the date of examination.
- The corrected answer scripts at random are verified by HOD to ensure the standard evaluation process.
- The corrected answer papers of the students are distributed to them for the verification by the students and any grievance is redressed immediately. The marks obtained by the students in internal assessment tests are displayed on the department notice board.
- The marks obtained by the students in internal assessment tests are uploaded periodically on the university web portal along with their attendance.
- Noting the values in observation and validating the theoretical aspects the student must submit lab record regularly.
- Day to day performance of the students is assessed for every experiment which includes regularity, performance, viva and the promptness in submitting the record.
- For lab courses, the marks scored by the student for each experiment is indicated in the observation. The independent learning, practical approach to the real-time applications is tested by viva voce for laboratory courses.
- For the quality of the projects, the evaluation is done by Project Review Committee along with the project guides.
- To ensure the transparency and curb the malpractices the university has introduced jumbling system and theory end examinations are conducted at a center other than the college.
- The end examination for the laboratory and projects shall be conducted with internal and external examiner appointed from the other colleges as decided by the University.

Grievances at Departmental Level:

Departmental Level: Faculty continuously evaluate students through lectures, labs, assignments, and tests, assigning midterm marks based on strategies and displaying them on the notice board.

Grievances at College Level:

The Institute appoints Senior Invigilators for smooth conduct of JNTUA examinations, with the Chief Examination Officer handling issues. Grievances if any, are discussed and forwarded to the university.

Grievances at University level:

JNTUA handles university results, corrections, and certificate queries. Students can apply for revaluation, recounting, and challenge evaluations, paying processing fees, if unsatisfied.

File Description	Document
Upload Additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1

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

Response:

As SEAGI is affiliated to JNTUA, Ananthapuramu, it follows the university norms and academic regulations. The regulations include internal and external assessment procedures as well as minimum attendance requirement for end semester examinations. The newly admitted students as well as parents are familiarized with continual assessment procedure in the orientation programme.

JNTUA R-20 Regulations:

Continuous Internal Evaluation:

- For theory subjects, during the semester, there shall be two midterm examinations. Each midterm examination shall be evaluated for 30 marks of which 10 marks are for objective paper with 20 objective type questions (20 minutes), 15 marks for subjective paper (90 minutes) and 5 marks for assignment.
- Objective paper shall be set for maximum of 20 bits for 10 marks. Subjective paper shall contain 3 either or type questions (totally six questions from 1 to 6) of which student has to answer one from each either or type question. Each question carries 5 marks.

Final mid semester marks shall be arrived at by considering the marks secured by the student in both the mid examinations with 80% weightage given to the better mid exam and 20% to the other.

For practical courses, there shall be a continuous evaluation during the semester for 30 sessional marks and end examination shall be for 70 marks. Work in the laboratory shall be evaluated for 15 marks by the concerned laboratory teacher based on the regularity/record/viva and 15 marks for the internal test. The end examination shall be conducted by the concerned laboratory teacher and a senior expert in the subject from the same department.

The project report shall be evaluated with an external examiner. The total marks for project work is 200, and distribution shall be 60 marks for internal and 140 marks for external evaluation. The supervisor assesses the student for 60 marks.

SEAGI ensures that there is complete transparency in the internal examination related grievances. The internal examination schedules are prepared as per the academic calendar and are informed to the students well in advance.

The internal examination answer sheets are evaluated by course handling faculty within three days from date of the examination. The assessed internal test papers are shown to the students for self-assessment.

The general grievances expressed by the students with regard to internal examinations are:

- Discrepancy in totaling of the marks
- Wrong posting in mark sheets
- Discrepancy in totaling of aggregate internal marks
- Wrong options in objective question paper

Often, some of the issues such as discrepancies in evaluation or totaling, the students bring it to the notice of the faculty and that is resolved immediately. Any student who is still not satisfied with the assessment and award of marks may approach the concerned HOD. The HOD may intervene and seek opinion of another faculty who handled the course.

The institute follows transparent assessment system by displaying the students' performance in the respective departmental notice boards. If the student is still dissatisfied, he/she can represent his/her grievance to the Principal for necessary action.

File Description	Document
Upload Additional information	View Document

2.6.2

Attainment of POs and COs are evaluated.

Explain with evidence in a maximum of 500 words

Response:

The process of attainment of COs, POs and PSOs starts from writing appropriate COs for each course of the program from first year to fourth year in a four-year engineering degree program. The Course Outcomes are written by the respective faculty member using action verbs of learning levels suggested by Revised Bloom's Taxonomy. Then, a correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high). A mapping matrix is prepared in this regard for every course in the program including the elective subjects. The written course outcomes and their mapping with POs are reviewed by IQAC before they are finalized. In the Outcome Based Education (OBE), assessment is done through one or more than one processes, carried out by the institution that identify, collect and prepare data to evaluate the achievement/attainment of Course Outcomes (COs). Assessment tools are categorized in two methods, to assess the Course Outcomes (COs).

They are: 1. Direct Assessment Methods and

2. Indirect Assessment Methods.

Direct Assessment Methods:

- Two Internal/midterm Assessment Tests
- Lab evaluations
- Tutorials and Assignments
- Project work for final year students
- Seminar for third year students
- CVV
- Semester-End Examination

Target levels or Rubrics for attainment of Course Outcomes (COs) are set by the Department Academic Committee. After the course is delivered and examination results are announced, actual attainment of COs is determined through Faculty Course Assessment Reports (FCARs). If the attainment has not reached the target, then the course coordinator will submit the action plan to attain the target level in the forthcoming year.

Indirect Assessment Methods:

- Course grades
- Assignment grades if not accompanied by rubric/scoring guide
- Quality/reputation of graduate programs into which alumni are accepted
- Placement rates of graduates into appropriate career positions and starting salaries
- Alumni perceptions of their career responsibilities and satisfaction
- Student ratings of their knowledge/skills or reflections on what they have learnt
- End-of-semester evaluation questions focused on course not instructor
- Student/alumni satisfaction collected through surveys/exit interviews/focus groups
- Student participation rates in faculty research, publications, and conference presentations

The IQAC and HOD continuously monitor to ensure the attainment targets for all the courses in the department. If the attainment is reached for a course then the target level is increased for the next offering of the course or by planning suitable improvements in the teaching-learning process, to increase the actual attainment, so as to reach the desired target.

File Description	Document
Upload Additional information	View Document

2.6.3

Pass percentage of Students during last five years (excluding backlog students)

Response: 77.29

2.6.3.1 Number of final year students who passed the university examination year wise during the last five years

2022-23	2021-22	2020-21	2019-20	2018-19
266	340	254	275	230

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

2022-23	2021-22	2020-21	2019-20	2018-19
308	426	314	340	378

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

2.7 Student Satisfaction Survey

2.7.1

Online student satisfaction survey regarding teaching learning process

Response:

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

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1

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

Response: 0

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

2022-23	2021-22	2020-21	2019-20	2018-19
0	0	0	0	0

File Description

Document

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

3.2 Innovation Ecosystem

3.2.1

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

Response:

The Siddartha Educational Academy Group of Institutions endeavours appropriate and supportive environment to enhance the dimensions and awareness of the faculty members and students in the field of research.

The institution provides a pacific eco-friendly innovation ecosystem to nurture the students' creative thinking and innovative ideas. The college constituted various cells and clubs to give life to students' innovations.

Institution's Innovation Cell (IIC): The Institution Innovation council was established in the college under the guidance of Ministry of Human Resource Development (MHRD) to create a vibrant local innovation ecosystem, start-up supporting mechanism in the college to encourage, inspire and nurture young students by supporting them to work with new ideas and transform them into prototypes. Also, it

engages a large number of faculty and students in various innovation and entrepreneurship related activities such as ideation, problem solving, proof of concept development, design thinking etc., to systematically foster the creation of innovation and start-up ecosystem in educational Institutions.

IPR Cell: Awareness programmes on Intellectual property like copyright, trademarks, patents, industrial design rights and trade secrets are conducted for students and faculty members. This helps in understanding the concepts of patents and in protecting their innovations. As an outcome of all these efforts, some faculty started to file the patents.

Entrepreneurship Development Cell (EDC) EDC supports entrepreneurial aspirants by offering mentoring service and conducting workshops to develop their creative ideas into brilliant business plans such that they are motivated to come up with their own start-ups. The Cell organizes various seminars, workshops, and training programmes to promote entrepreneurial culture among students. The institution not only provides the training for their start-up but also paves the path for them to implement their ideas.

Community Orientation To develop social responsibility and to impart moral and ethical values among students for which society oriented awareness programs and outreach activities are being conducted, NSS joins hands with the departments in sensitizing the students on social issues.

Club and Departmental Activities: Inspiration is the key to innovation, various departments and clubs organize guest lectures, and awareness and training programs respectively to inspire the students with a wide knowledge of the resource person. To impart practical knowledge the departments arrange Industrial visits and field trips to various places. Clubs and Cells spearhead the implementation of innovative ideas, for instance, the Eco club and Green Campus Cell has started to maintain Herbal Garden as per the students' plan.

SEAGI encourages the students to participate in competitions such as Technical Events conducted by various Institutions, and Industries. This is accomplished by establishing the Departmental club, which cultivates the habit of critical thinking, and innovation. This initiative motivated and enabled numerous student teams to participate in State and National level events.

File Description	Document
Upload 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: 49

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

2022-23	2021-22	2020-21	2019-20	2018-19
19	09	00	10	11

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: 0.39

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

2022-23	2021-22	2020-21	2019-20	2018-19
03	06	07	14	21

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	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: 0.08

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

2022-23	2021-22	2020-21	2019-20	2018-19
11	00	00	00	00

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	View Document

3.4 Extension Activities

3.4.1

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

Response:

The institution practices outcome-based education while preparing the curriculum, and has taken into consideration some of the program outcomes such as societal consciousness, environment and sustainability, individual and team work to be important to the core engineering discipline as well as to the holistic development of the student as a complete professional. The co-curricular, extracurricular and relevant extension activities are planned in such a way that the students have ample opportunity to expose to the societal issues thereby promoting them to extend their domain knowledge and practical skills. The institution carries its social extension activities through the clubs and cells.

The SEAGI NSS unit of the college conducted a camp at the adopted village, Gollapalli for seven days to clean the surroundings, plant samplings, and educate them the healthy practice. NSS Unit conducts residential camps yearly and regularly serving the community. The NSS unit in collaboration with RUIA Hospital conducts health camps on the college campus with the help of NSS volunteers. Being an active team, the NSS conducts various awareness programmes such as the Tree Plantation, Blood camp, Drug De-addiction, Hygiene and Sanitation, Swachh Bharat, Voters awareness and many other events to emphasize the importance of being a responsible citizen. NSS unit volunteers and the Eco Club members clean the college campus on every month to accentuate the importance of maintaining the clean surroundings.

The institution conducts various mental and physical health awareness program on AIDS awareness, Road safety, and other program to create awareness among the students.

The Eco club conducts various awareness program on Environmental protection to fulfill their part in the due course of promoting responsibility for the society.

The NSS Unit conducts the Cleanliness awareness programs / Swatch Bharat programs and awareness

programs on open defecation in association and collaboration with local bodies. Along with student local citizens, members of Panchayat, political leaders are actively participate in spreading the message to the villagers. As an extension the group of students visit each and every house in Gollapalli and Ramanujapalli villages to create awareness about the importance of cleanliness.

Donations and Relief funds are collected from the students and the staff members for the needy. During COVID-19 curfew, the institution provided necessary groceries to the villagers in and around Tirupati.

Through the extension activity, the students gain insight regarding social issues like untouchability, gender bias that help them to inculcate moral values for them and the community as well. The student's interaction with different groups has created positive changes in physical, emotional, social, spiritual and intellectual health among the institution and in the community.

Working outside the college campus and with diversified social groups of people allows students to gain more self-confidence, autonomy, and appreciation for others. These activities help them to become good leaders as well as responsible citizens.

File Description	Document
Upload Additional information	View Document

3.4.2

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

Response:

3.4.2 Number of awards and recognition received for extension activities from Government / recognised bodies during the last five years

Name of the activity	Name of the Award/ recognition	Name of the Awarding government/ recognised bodies	Year of award		
Covid-19 Pandamic Situtation and Flood affected Situtation	Appreciation	Dr. R. Sireesha, Mayor, Tirupati	2022		
National Award for Excellence	Adarsh Vidya Saraswati Rashtriya Puraskar	Global Management Council, Ahmedabad	2022		
NSS Unit -post flood Surveys, swatch Bharat	Appreciation	Mrs. R. K. Roja, Minister for Tourism Culture	2022		

awareness, no plastic camp		& Youth Advancement. Government of Andhra Pradesh			
Covid-19 Awareness Activities during Lockdown	Appreciation	Bhumana Karunakara Reddy, MLA-Tirupati.	2020		
Organization Voluntary Blood Donation Camp	Appreciation	Model Blood Bank S.V.R.R Govt General Hospital & S.V Medical College, Tirupati	2018		
Organization Voluntary Blood Donation Camp	Appreciation	Model Blood Bank S.V.R.R Govt General Hospital & S.V Medical College, Tirupati	2021		
World Blood Donor Day, Organization Voluntary Blood Donation Camp	Appreciation	S.V Medical College, Tirupati	2020		
Organization Voluntary Blood Donation Camp	Appreciation	Model Blood Bank S.V.R.R Govt General Hospital & S.V Medical College, Tirupati	2022		
Organization Voluntary Blood Donation Camp	Appreciation	Model Blood Bank S.V.R.R Govt General Hospital & S.V Medical College, Tirupati	2018		
Moden Agriculture , Aadhar Registration, Covid Pandemic, Health Awareness	Appreciation	Panchayat Secretary, C.Gollapalli	2023		
Covid pandemic, Flood situation, Health Awareness,	Appreciation	Dr. Chevireddy Bhaskar Reddy, MLA- Chandhragiri(Tirupati	2020		

Medical Camp, Anti Drug		Rural)		
Swatchh Bharath	Appreciation	MPUP School, C. Gollapalli	2018	

File Description	Document
Upload Additional information	View Document

3.4.3

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

Response: 40

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

2022-23	2021-22	2020-21	2019-20	2018-19
09	10	03	06	12

File Description	Document
Institutional data in the prescribed format	View Document
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	View Document

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: 13

File Description	Document
Institutional data in the prescribed format	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1

The Institution has adequate infrastructure and other facilities for,

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

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

Response:

The Siddartha Educational Academy Group of Institutions is home to outstanding facilities with a total built-up area of 19710.69 square meters, spreading over 16.60 acres of land. The institution has 49 laboratories, 37 classrooms, 7 tutorial rooms, 2 seminar halls, 1 drawing hall, 3 workshops, and 1 auditorium in accordance with AICTE criteria. All of the laboratories, seminar halls, and classrooms include ICT equipment. Additionally, all laboratories are well-maintained and equipped with all the tools required by the JNTUA Curriculum, from simple tools to sophisticated technology focused on research.

Modern PCs with licensed software and open-source programs installed can be found in the computer labs. The institute keeps a 5:1 student-to-computer ratio, which guarantees that students have plenty of access to computer resources. Departments also work together and exchange resources as required. About 536 computers are housed in 11 computer labs at SEAGI's Computer Center. All departments use these labs for a variety of tasks, such as aptitude testing and online exams.

CLASS ROOMS

The Institution has well-ventilated& furnished classrooms having proper visibility and audibility. The classrooms are equipped with adequate furniture such as blackboard, podium, fans, and lights. 90% of the classrooms are provided with LCD projectors and LAN / Wi-Fi Connectivity.

LABORATORIES

As Per AICTE/UGC/JNTUA Requirements, to fulfill the academic requirements for students, all labs have adequate feasibility for performing practicals and it will help students to meet updated needs in day-to-day life.

COMPUTING EQUIPMENT:

SEAGI offers state-of-the-art computer facilities complete with a research center and computer lab. All of the campus's computer labs are accessible to students, thanks to a high-speed optical fiber network. With 300 MBPS internet access available around the campus, the institute enables students to advance their education in accordance with industry standards.

General Amenities:

The academic facilities include a fully-fledged canteen, conference room, yoga center, HoD and faculty cabins, central stores, an examination cell, an IQAC cell, an alumni cell, Principal chambers, an administrative office, an institute innovation council, a training and placement office, and a canteen.

Sports and recreation centers :

All sporting events are supervised by the sports department, which is run by a committed full-time Physical Director. A 5-acre playground featuring outdoor games like basketball, volleyball, football, cricket, hockey, and athletics is available for use by the Institution. To promote sports and cultural activities even more, there's an indoor Arena with amenities for Chess, carrom, and shuttle badminton. College teams compete actively in intercollegiate tournaments and JNTUA Zonal level contests. Interdepartmental sports tournaments are held over the academic year, and winners and participants are recognized for their achievements during the Annual College Day celebration.

File Description	Document
Upload Additional information	View Document

4.1.2

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

Response: 9.02

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

2022-23	2021-22	2020-21	2019-20	2018-19
18.16	4.03	22.15	12.68	7.12

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

4.2 Library as a Learning Resource

4.2.1

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

Response:

The central Library of SEAGI is the focal point of all user community. The primary objective of the library is to support the educational and research programmes of the Institute by providing physical and on-line access to information, consistence with the present and the anticipated academic needs.

The Library has a carpet area of 703.76 SqMtrs. and is situated in the block 1 of ground floor of SEAGI. The library is well equipped with a reading capacity of 150 readers and is also Wi-Fi enabled. Library users have easy access to photocopying facilities. The library Housekeeping operations are fully automated i.e. counter Service, Issues and returns, Technical Service: Classification and Cataloguing (OPAC) by using the New Gen Library Software – Integrated Library Management Software version: Helium-3.2 and bar code system. A separate social welfare book banking is also available in the library.

The Faculty, Non-Teaching Staff, and Students of SEAGI College are issued a single barcode for Library Membership cum College Identity card. The users of the library can use the same Identity card for borrowing books. The Library has various Text Books, Reference Books, e-books, Journals, Magazines, e-journals, NPTEL video lessons related to Engineering and allied subjects.

Library has a collection of fascinating books which includes Encyclopaedias, Hand books, Dictionaries, GATE and competitive examination books and videos that support the content beyond syllabus. The library has a huge collection of 345742 videos, 26,056 volumes and around 5405 Titles.

SEAGI has established a user friendly web link for the library and all the users can utilize the resources from their home or any other location using internet facility. Library also provides seamless access to the entire repository of syllabi and previous question papers.

The Institute has a subscription of JNTUA Consortia of E resources and hence users can access to the variety of journals to improve their knowledge.

The library subscribes NPTEL (National Programme on Technology Enhanced Learning) (Open source online video lectures); E-Books: 50768; E-Journals:15145

The Digital Library has installed around 20 systems for providing digital services and also made provision for students to refer previous semester question papers to prepare for their semester examinations.

File Description	Document
Upload Additional information	View Document

4.3 IT Infrastructure

4.3.1

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

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

Response:

Siddartha Educational Academy Group of Institutions in Tirupati is committed to maintaining state-of-the-art IT facilities to enhance the learning experience for its students and facilitate seamless administrative operations. The institution recognizes the importance of staying technologically updated and invests in regular upgrades to its IT infrastructure.

The academy recently underwent a significant IT overhaul. This comprehensive update involved the integration of the latest computing equipment, software systems, and networking devices. The institution prioritizes staying current with technological advancements to ensure that students and faculty have access to cutting-edge tools for academic and research purposes.

The Wi-Fi infrastructure in Siddartha Educational Academy Group of Institutions is designed to meet the demands of a modern educational environment. The internet bandwidth is of 300 Mbps. The institution is consistently maintaining at high levels to cater to the increasing reliance on online resources and digital learning platforms. As on March 2024, Siddartha Educational Academy Group of Institutions provides a dedicated and robust internet connection with a minimum bandwidth of 300 Mbps. This substantial bandwidth ensures that students and faculty can access online resources, participate in virtual classes, engage in research, and collaborate on projects without experiencing network congestion or slowdowns.

To further enhance the digital learning experience, the institution also conducts periodic assessments of its IT facilities and internet infrastructure. Regular maintenance checks are scheduled, and any necessary updates or improvements are promptly implemented to address emerging technological needs.

Siddartha Educational Academy Group of Institutions remains committed to creating a technologically advanced learning environment, fostering innovation, and preparing students for the challenges of the digital era. By staying proactive in updating its IT facilities and providing sufficient internet bandwidth, the institution ensures that its community can fully leverage the benefits of modern technology in their academic pursuits. The Institution has provided Wifi Facility with **10** Access point in and around the campus for all staff and students. The institute has in all *23 laser printers, 4 XEROX Machines and 10 scanners.*

The institute automated all its manual work in various departments like Accounts, Administration, Library, Admission, Record room etc. via ECAP Customised package from **Web pros Solutions PvtLtdTechnologies**. The software ECAP, fulfils all the requirements of Colleges including integrated campuses offering Undergraduate and Post Graduate Courses. ECAP aims at immediate availability of data in required formats, ease the work of staff and management and increase in transparency and

accountability in administration. ECAP is an online portal that enables Parents / Students / Staff access to information regarding the students progress in the college.

File Description	Document
Upload Additional information	View Document

4.3.2

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

Response: 2.55

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

Response: 536

File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	View Document
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1

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

Response: 69.89

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)

2022-23	2021-22	2020-21	2019-20	2018-19
130.64	133.44	106.01	50.63	76.36

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1

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

Response: 75.05

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

2022-23	2021-22	2020-21	2019-20	2018-19
982	1031	1085	1046	1080

File Description

Document

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

[View Document](#)

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

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

5.1.2

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

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

Response: A. All of the above

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

5.1.3

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

Response: 15.43

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

2022-23	2021-22	2020-21	2019-20	2018-19
230	207	210	223	204

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

5.1.4

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

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

Response: A. All of the above

File Description	Document
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	View Document
Proof for Implementation of guidelines of statutory/regulatory bodies	View Document
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	View Document
Provide Links for any other relevant document to support the claim (if any)	View Document

5.2 Student Progression

5.2.1

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

Response: 61.21

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

2022-23	2021-22	2020-21	2019-20	2018-19
221	212	218	213	217

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

2022-23	2021-22	2020-21	2019-20	2018-19
308	426	314	340	378

File Description	Document
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	View Document
Institutional data in the prescribed format	View Document

5.2.2

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

Response: 11.39

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

2022-23	2021-22	2020-21	2019-20	2018-19
18	00	06	23	31

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	View Document
Institutional data in the prescribed format	View Document

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: 4

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

2022-23	2021-22	2020-21	2019-20	2018-19
00	00	01	02	01

File Description	Document
list and links to e-copies of award letters and certificates	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: 7

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

2022-23	2021-22	2020-21	2019-20	2018-19
09	09	03	06	08

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 Alumni Association/Chapters (registered and functional) contributed significantly to the development of the institution through financial and non financial means during the last five years. SEAGI Alumni Association creates and maintains an enduring connection between the Institute and its

alumni. Collaborating with an extremely dedicated Office Bearers, the Association works to enrich strong bonds between alumni, students and the Institute. The Association works to keep alumni informed, and create a network enabling them to remain engaged with their alma mater.

SEAGI Alumni Association has been functioning since 2018. The Institute along with the office bearers of Alumni Association conducts an alumni meet to interact with students and faculty and to get to know the latest developments and achievements of the College/Alumni. During the alumni meet, alumni share their feedback and suggestions which help to improve curriculum, facilities, placement, training etc leading to huge improvement in these areas.

Alumni are invited to the institute during workshops/ programs where they share their knowledge with the students/faculty. The alumni can get information about the institute, fellow classmates, students, faculty, conferences, alumni meets, featured alumni, and success stories of alumni. The alumni are actively supporting the institute by posting job/ internship opportunities to the current students. The alumni association of the Institute is a conglomeration of entrepreneurs, professionals and bureaucrats catering to the society in various sectors. In the near future, the institution wants to make the Alumni Association a strong pillar of the institute so that it will serve to help in development of all the stakeholders related to the institution. Many overseas students are proposing to start Alumni Associations in their countries, as there are a considerable number of the institute's students working or studying abroad.

Alumni network by itself is one of the best professional networking platforms available today. Hence it has been proposed in the Internal Quality Assurance Cell (IQAC) that certain identified alumni will be paired with current students for technical mentoring which will enhance technical skills of the students. Various committees like IQAC, Advisory committees, etc involve alumni for the development and quality enhancement of the institute. The institute regularly interacts with the Alumni to benchmark best practices and implement them wherever necessary.

Alumni are contributing significantly with paid membership of Rs. 500/- (optional) to the alumni association. Recently, a couple of Departments have started the Annual Project Exhibition & Competition with financial support by the Alumni. A quite good number of alumni students studying and working abroad, wish to contribute their mite to the Institute as soon as it gets Accredited or becomes Autonomous, by involving in board of studies as well as in creating additional facilities.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1

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

Response:

Siddhartha Educational Academy Group of Institutions was established in 2009 as the first Integrated college for Engineering and MBA in the JNTUA.

Vision

To create an advanced centre of professional learning of international standing where pursuit of knowledge and excellence shall reign supreme, unfettered by the barriers of nationality, language, cultural plurality and religion.

Mission

Imparting value based quality education of international standard and imbibing skill for solving real life problems, creating leadership qualities with perspective futuristic vision and instilling habit of continuous learning.

The Progress of the institution is well monitored and authenticated by the constitution comprising of:

- The Governing body
- The Principal, Heads of the Departments and members of several committees.
- Academic council

Governing body is the highest authority of the institution. It is the apex decision maker to plan as per the imperative guidelines of AICTE. Management, Nominees by Government JNTUA, Industrialists, Educationalists, College Faculty, with Principal constitutes the layers of this highest body to deliberate and formulate plans. The functions of GB include strategic planning, involvement of stakeholders, and governance from top to down. Regular periodic confirmation of policy based decisions in respect of admission; budget, infrastructure, Teaching-Learning Process and placement are done in conformity with Institute's Vision, Mission and Quality Policy. The GB meets annually/biannually to rate and review performance and suggests pro-active measures for holistic growth. All proceedings are recorded as minutes for capitulatory reference when needed, and for directing internal quality assurance cells and IQAC within the College. GB is poly-centric, frank and transparent in functions. Appointment of Heads of Academic/Administrative committees falls within GB's discretion. The Principal, who is the member secretary of the governing body takes steps for implementations of the governing council decisions,

through the HODs and members of several committees. The Principal conducts meetings with all the Heads of the departments regarding academic activities, following up on the academic calendar, students' progress, placement and training details, industry interaction, alumni interaction etc. The Principal ensures that in all these reviews the decisions taken in the Governing Committee Meetings are effectively enforced. The Principal also meets the members of the faculty of every department once in a semester, to convey the management's viewpoint and also to motivate the faculty members to continue putting in efforts to deliver improved contributions, thus ensuring over all good performance of the Institution. The heads of the departments regularly conduct departmental meetings with all the members of their faculty to ensure that the various committees that have been constituted are functioning effectively to ensure maintenance as well as continuous improvement in the quality of the teaching-learning process. Academic council will ensure quality in academic activities such as design & framing curriculum, proper evaluation system etc. Constituting academic cum administrative committees are within GB's normative powers. Various Committees are formed to monitor the Institute's progress towards realizing vision and mission adhering to quality policy.

File Description	Document
Provide Link for Additional information	View Document

6.2 Strategy Development and Deployment

6.2.1

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

Response:

The strategic plan of the college has been developed involving all the stakeholders through focused group discussions and workshops by adopting a participatory approach both at institutional and department level. The plan is developed with an aim at achieving excellence by optimum utilization of resources. The Management conducts regular review of compliance to strategic plan (both Long Term Goals and Short Term Goals).

The college has a well-knit organizational structure, responsibilities, tasks and levels of supervision having a one to one correspondence. Governing Body (GB) is the highest for the college to make supreme decision. GB follows the guidelines laid by the AICTE and JNTUA and complies with them authentically. Governing Body monitors the strategic plan and offers advice/direction for the administration to carry out plans.

The Principal is responsible for the functioning and growth including administrative, academic, co-curricular and extra-curricular activities of the college. IQAC of the college is involved in developing a quality system for conscious, programmed action to improve the academic and administrative performance of the College.

At the department level, the Heads of the departments are wholly responsible for coordinating all departmental academic activities. The Faculty are accountable / responsible for the academic and curricular development of the students. Staff members of the departments are made as members of various committees. Students are involved as active members of the committees.

Functions of Various bodies/Committees:

For effective functioning of college activities, many committees are identified. Every committee consists of a chairperson/Convener, staff and student members. The functioning of every committee in the Institution is well defined. All Chairpersons/ Conveners report to the Principal, who monitors the effective functioning of these committees.

Service-rules:

All the staff are oriented about the Service rules available in the institution. The faculty are educated about conditions of service, and responsibilities, discharge of duties, increments, kinds of leave, code of conduct, financial support for attending FDP/workshops/conferences, incentive for achieving academic excellence, publication of papers in reputed journals, grants received for projects from funding agencies, revenue generated through consultancy and others.

Recruitment: The qualification, teaching experience and other eligibility for recruitment is as prescribed by state Government / UGC / AICTE/affiliating University. Selection of the candidate shall be by a selection committee.

Promotion

Promotion is on the basis of performance in the Institution, and is based on availability of vacancies. All policies and conditions are clearly stated in the Administrative and service Manual of the Institution.

Grievance Redressal Mechanism:

Our College addresses genuine complaints, issues and difficulties of the Stakeholders at individual as well as at college level. Students are encouraged to use the Suggestion/ Feedback methods (both Off-line and On-line) to express constructive suggestions and grievances. Grievance redressal committee resolves complaints/ grievances with sensitivity and confidentiality by meeting at regular intervals or as and when required.

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

6.2.2

Institution implements e-governance in its operations

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

Response: A. All of the above

File Description	Document
Screen shots of user interfaces of each module reflecting the name of the HEI	View Document
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	View Document
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	View Document

6.3 Faculty Empowerment Strategies

6.3.1

The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression

Response:

The college takes care of its employees and encourages worthwhile schemes to all teaching and non-teaching staff. The institute provides welfare measures to its employees which include Promotion and Increments based on self-appraisal. The welfare measures for teaching and non-teaching staff of the institute are as given below:

- Free transport facility for all teaching and non-teaching staff for their daily commuting to the college.
- All the staff are allowed or encouraged to pursue their higher studies.
- All teaching and non-teaching staff are provided with 50% medical concession with Mother Hospital, Tirupati through the Institution.
- Female staff are provided with a common Women room with all facilities.
- Maternity leave for Female staff
- Incentives will be given to all eligible teaching and non-teaching staff
- Concession in tuition fees for children of the employees.
- All the employees are provided free Wi-Fi inside the campus
- Permanent, partial disabilities expenses due to accident for the students and staff are covered through United India Insurance Company limited on yearly basis with the total coverage of approximately 10 crores.

In addition, the college provides on duty leave benefits to all the employees such as casual leave and

medical leave covering teaching as well as non-teaching staff. An employee can avail leave on duty to attend seminars/symposia/ workshops. Also, On Duty leave to faculty representing the college either for administrative work, exam invigilation, exam paper evaluation or to represent research project report/ AICTE/ JNTUA. The appraisal system is based on stipulated criteria and parameters that are mandatory for the faculty to fulfill for fetching the benefits associated with it.

A brief description of Performance Appraisal system is as detailed below:

The performance appraisal is being assessed annually based on the submission of self-appraisal/ assessment report by employees (teaching/non-teaching) on indexed parameters. The parameters of achievement of a faculty majorly include Teaching-Learning Processes, Research publications, Faculty Development Programs and Training underwent, Patents, Outreach/Extension activities, professional activities and involvement in the administrative responsibilities and developmental activities of department/institute. The self-appraisal submitted by the employees undergoes three levels of reviews/evaluation first by the IQAC, followed by the Principal and finally by the Management.

After the reviews, based on the report, suggestions on areas of improvement are communicated to the concerned faculty. A faculty, based on the score achieved in his/her Annual Performance, would be awarded annual increments. Performance Appraisal of Non-Teaching staff is based on regularity, punctuality and sincerity in service. The foremost criteria are the roles played and responsibilities linked to them. The respective staff are given counsel and scope for attendance to upgrade qualification, The number of training programs attended for skill development during the service, the key strengths the staff holds and how that would benefit the organization (department/institute) and specific comments by the concerned HOD for the respective staff performance based are factors to level them up.

File Description	Document
Upload 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: 9.08

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

2022-23	2021-22	2020-21	2019-20	2018-19
19	12	3	23	6

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

6.3.3

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

Response: 32.66

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

2022-23	2021-22	2020-21	2019-20	2018-19
58	35	2	63	84

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

2022-23	2021-22	2020-21	2019-20	2018-19
18	13	16	0	0

File Description	Document
Institutional data in the prescribed format	View Document
Copy of the certificates of the program attended by teachers.	View Document
Annual reports highlighting the programmes undertaken by the teachers	View Document

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 College is a self-financing institution and the source of funds is mainly from the Tuition fee paid by different category of students admitted to the institution. In case of shortage of funds during the expansion or renovation of buildings, purchase of major equipment, SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS SOCIETY always supports in providing required finance to the institution.

SEAGI managed by SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS SOCIETY ensures that both internal and external audits are conducted on all the financial transactions of the institution to make sure that all the transactions are done in a systematic and orderly manner without any deviation from the laid down financial policies and procedures.

SIDDARTHA EDUCATIONAL ACADEMY GROUP OF INSTITUTIONS SOCIETY has also appointed a reputed Auditor, V.Bhagya Teja, Chartered Accountant for conducting external audit in the institution. This external audit team functions in coordination with the Principal and HoDs of the institution and conducts a detailed audit on all the financial transactions quarterly and submits the audited Income and Expenditure statement and also Balance Sheet, once in a financial year.

The aim and objective of External audit is to ensure that all the financial transactions are carried out within the set policies and procedures of the trust. This way, the audits ensure that all the financial functions are carried out in the interest of the institute and are directed towards the prosperity and development of the institute.

File Description	Document
Upload 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:

Teaching is bound to involve a process of inducting the learner into the knowledge domain chosen. The Learner is free to evolve in a complementary way by the stimulus given; the process of acquisition of whatever imparted is also a product. Interaction, applicative exercise, inferential practice and grasp of the domain constitute the vector of learning involved. Teaching learning as process and product entail the agencies of Educator envisaging pedagogical needs, and answering the needs for prospective result. This entailment besides devising teaching-learning strategies, drafts ahead a plan academically viable and sustainable within the constraints of the syllabus domain and evaluation processes for rating- both the transfer of knowledge and consequent reception. The variables are obviously good mastery of knowledge domain in respect of imparting and envisioning further extension of the domain on the applicative side with optimal relevance

Various IQAC strategies are followed to enhance the quality in academic and administrative domains to fulfill the expectations of stakeholders such as alumni, industry experts and society. The Content beyond curriculum will inculcate Skills and Knowledge in the present scenario. The college has faith in promoting the student into a successful engineer not just as an Engineering Graduate and henceforth our students are urged to experience the following skill development programs through IQAC. They are:

1. Value Added Courses
2. Workshops
3. Seminars
4. Symposiums
5. Guest Lectures
6. Industrial Visits
7. Hands on Training Programs
8. Placement Training Programs and so on..,

The students can improve their technical skills through these kinds of courses and programs.

QUALITY IMPROVEMENT STRATEGIES

Conferences, workshops, seminars, FDPs & hands on Training Programs attended by our Faculty are closely monitored by HODs and Principal through IQAC and also various quality enhancement programs in the institution are initiated by IQAC for quality teaching in our Institute.

Well planned teaching learning process and the methodology is followed for effective run of the institution. As per the guidelines of IQAC there is a well-planned structure to review the teaching learning process. The following are the various teaching learning processes;

1. Subject allocation

2.Preparation for Academic lesson plan

3.Preparation of Class notes

4.Class Committee meetings

5. Class teacher ward meeting etc

The faculty plans each of these activities and it is reviewed thoroughly by HOD before implementation. Once the activity is implemented, their progress is monitored and outcomes are analyzed through IQAC and discussed with the concerned faculty and class advisor for the improvements. All academics and other activities at institutional level are planned and monitored by IQAC. The quality of course delivery process and attainment of outcomes is reviewed by this cell. The process for providing skill and knowledge beyond the syllabus in attaining PO, PEO, and PSO through CO are also reviewed by this cell.

File Description	Document
Provide Link for Additional information	View Document

6.5.2

Quality assurance initiatives of the institution include:

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

Response: A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	View Document
NIRF report, AAA report and details on follow up actions	View Document
Link to Minute of IQAC meetings, hosted on HEI website	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1

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

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

Response:

The institution has focused on promoting gender equity and inclusivity, particularly for women, through a gender audit that has identified areas for improvement and guided the implementation of measures. Gender equity and sensitization are integrated into curricular and co-curricular activities, fostering an inclusive environment. Faculty members are trained to incorporate gender-sensitive teaching methodologies, and interdisciplinary courses and seminars promote deeper understanding of gender dynamics.

The institution promotes gender equity through co-curricular activities, student clubs, and organizations, fostering women's empowerment through workshops, awareness campaigns, events, and mentorship programs.

SEAGI inmates, including students, faculty, and staff, are ensuring safety and security through gender equity measures implemented in the last five years.

1. Safety and Security
2. Counseling
3. Special facilities.

1. Safety and Security

- 24 x 7 CCTV cameras are installed at critical locations both inside and immediate outside the campus, to keep a vigil.
- Deployment of security guards at prominent locations in the campus, for instant reach out.
- First-aid kits in all the departments and Fire extinguishers installed at important points
- Girls' common rooms and separate restrooms are available at the institution.
- Bus facility is in place to ensure the safety and security of female students during their college campus commute, particularly during late hours.

2. Counseling

- Girl students are counseled periodically by the women faculty on gender related problems
- Women Empowerment Cell undertakes issues pertaining to girl students and women staff of the

institution, for need-based redressal and counseling.

- Each class has a girl student as a representative who shall report to the concerned HoD of any untoward gender issues.
- The Institution has a fair representation of women faculty and enrollment of girl students in all the bodies.
- The technical associations of all the departments conduct awareness and empowerment programs on gender issues, for both the girls and boys.
- The institution celebrates events such as International women’s day and other days of gender related significance.

3. Special facilities

- The campus has established a spacious and comfortable common room for girl students.
- The community service and social responsibility is encouraged through the NSS unit of the college
- Safe transport facility for women staff leaving the campus in late hours of the day
- Access to healthcare facilities within or near the campus, including regular health check-ups and medical assistance.
- Workshops, seminars, and training sessions focusing on career development, leadership skills, and entrepreneurship specifically tailored for female students.
- Regular awareness programs and initiatives to promote gender equality, diversity, and inclusion within the college community
- Participating in sports like Kho Kho, Thowball, Shuttle, and chess can enhance physical and mental fitness, teamwork, and leadership skills, while cultural groups provide girls with opportunities to explore their talents.

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
Policy document on the green campus/plastic free campus.	View Document
Geo-tagged photographs/videos of the facilities.	View Document
Circulars and report of activities for the implementation of the initiatives document	View Document

7.1.3

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

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

Response: A. All of the above

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

7.1.4

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

Response:

Diversity, influenced by cultural and socio-economic factors, fosters growth, empathy, and tolerance in the workplace and classrooms. It brings people from diverse backgrounds together, generating new ideas and perspectives, and fostering sociability, while bridging discrimination gaps. Tolerance enriches life

and makes individuals global citizens. Citizens must preserve India's culture, maintain harmony, and believe in common brotherhood to maintain harmony and equilibrium..

SEAGI offers a welcoming and peaceful atmosphere that accommodates and respects many forms of cultural, linguistic, regional, and socioeconomic diversity, all the while keeping the aforementioned points in mind. To encourage harmony amongst students, a variety of cultural and athletic events are arranged annually within the campus. The college observes several regional holidays, including Vinayaka Chavithi, Diwali, and Dasara, in addition to commemorative days like Women's Day, Yoga Day, Independence Day, Republic Day, Unity Day, and Teachers Day.

People from various racial and cultural backgrounds are able to interact positively as a result. A cell handles grievances without taking into account the racial or cultural background of any individual. Everyone at the institute is expected to strictly abide by the codes of ethics established for staff members as well as for students

SEAGI undertakes several initiatives by organizing various activities to sensitize students and employees to the constitutional obligations towards Values, Rights, Duties and responsibilities of the citizens. Every year Constitution day is celebrated in the campus by inviting eminent personalities who are well versed with the Indian constitution, to address staff and students. They narrate the fundamental rights, Duties, Values and responsibilities of citizens as stated in Constitution of India. Management representatives also address the gathering and appeal to all to remember the struggle of freedom and respect the National Flag and National Anthem. Our constitution provides for human dignity, equality, Social justice, Human rights and freedom, Rule of law, equity and respect and superiority of constitution in the national life. The whole country is governed on the basis of the rights and duties enshrined in the Constitution of India.

To raise awareness and sensitize staff members and students to their constitutional obligations, JNTUA has introduced a course on professional ethics and the constitution for all engineering disciplines. Republic Day is observed on January 26 every year with events showcasing the significance of the Indian Constitution as part of the celebration of democratic values. On November 26th each year, Constitution Day is also observed. Independence Day is observed Every year on August 15th to commemorate the freedom movement and the significance of the constitution.

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:

BEST PRACTICE 1

1.Title of the Practice: Student participation in NSS-facilitated Extension and Outreach community service projects in adopted and surrounding villages.

2.Objectives of the Practice:

- To cultivate in the students a sense of leadership and community development.
- To raise awareness among the villagers about their ethical obligations, the environment, and health in society.
- To create an engaging network with the community in order to benefit the country
- To raise awareness among students about giving back to society
- Through the adoption of a community and the consistent execution of many social activities
- To enhance pupils' organizational and communicative skills

3.The Context

The institute employs NSS volunteers to conduct academic activities, fostering a spirit of voluntarism and community connection. The program officer directs these volunteers, promoting national rebuilding, exponential learning, and holistic growth. The college's Extension initiatives increase social cohesion and serve as a conduit for information and activity between campus, village, and community. The NSS unit also organizes special camps in neighboring villages, promoting cleanliness, personal health, and voter awareness.

4.The Practice

The college hosts several outreach and extension programs every year, the main goal of which is to help students develop their personalities by getting involved in the community. The College organizes events such as the NSS special camp, blood donation camps, awareness rallies, cleanliness drives, health checkup camps, and plantations both on campus and at the NSS special camp site. Yoga instruction and a health check-up camp are offered to pupils and villagers at the NSS camp.

- Volunteers from N.S.S. contribute their labor to maintain institutional buildings and cleanliness in villages. By working together, they raise awareness among the communities about hygiene. In the neighboring adopted villages, students take part in activities such as Say No to Plastic, Tree Plantation, Sanitization, and the Swachh Bharat Campaign.
- The following organizations organize blood donation drives and health check-up events: Model Blood Bank, SVRR Government General Hospital, Tirupati; Mother Hospital, Tirupati; Sri Venkateswara Institute of Medical Sciences (SVIMS), Tirupati; Primary health care center, C.Gollapali; Vasan Eye Care Hospital, Tirupati; Sankalpa Super Specialty Hospital; Tirupati; The organizations coordinate these events.
- Awareness program on Disha APP, Career awareness, Cyber Crimes, Drug awareness, Traffic awareness, Beti Bachao, Beti Padavo, and other programs were organized for the purpose of empowering and protecting women.
- As part of the Central Government Unnat Bharat Abhaiyan Program, the College has adopted five nearby villages to provide social services to the community.
- The College collaborates with the residents of the aforementioned communities to pinpoint developmental obstacles and devise suitable resolutions to expedite sustainable expansion.

- Five Panchayats/villages, namely C.Gollapalli, RamanujaPalli, Patakaluva, Sanambatla, Adapareddypalli, were benefitted by the services carried out by the College.

5.Evidence of Success

The college offers various activities to motivate students, foster social service, and instill virtues like discipline, compassion, and altruism. These activities expose students to community needs, problem-solving, and leadership skills. The college also improves students' organizational skills and fosters positive relationships with the rural community. The college, faculty, and students work together to create a sense of community and unity.

6.Problems Encountered and Resources Required

N.S.S. volunteers face challenges in meeting public standards due to their degree courses, strict rules, and agricultural operations. Peasant participation is lower, and they face real-world issues like stubborn beliefs and reluctance to work with volunteers. Organizers face challenges in choosing camp locations, but efforts are moving in the right direction.

BEST PRACTICE 2

1.Title of the Practice: Digital Learning by Students and Staff

Digital learning is any type of learning that is accompanied by technology or by instructional practice which makes effective use of technology. Digital learning enhances the learning experience rather than replacing traditional methods altogether.

2.Objectives of the Practice:

- To make learning with no restrictions of time, place, path and pace.
- To make students as self-directed learners.
- To gain knowledge of the latest trends and technologies.
- To learn concepts from faculty of prestigious institutions to become globally competent.

3.The Context:

Digital learning, facilitated by technology, allows students control over time, place, and pace. Colleges are focusing on digital learning to enhance skills and improve teaching methods. They encourage students and staff to take online courses from prestigious institutions.

4.The Practice:

a.Online Learning

Online learning enables students to learn anywhere, anytime and any subject using ICT. The college NPTEL local chapter is ranked in top 100 colleges in the country among 3600 NPTEL local chapters. Students are motivated to do NPTEL online courses with the help of video lessons and web content in

addition to their regular classes to improve learning and in turn to enhance their skills. The faculty members are also encouraged to do online courses to improve teaching-learning process. NPTEL local chapter monitors the entire process.

b. E-learning

E-Learning is a learning system based on formalized teaching with the help of electronic resources. E-learning is used for training staff and students. The institute organized training programs like c, C++, Python, Rivet structure etc, for students of all branches. 8 weeks internship training program was conducted in the campus by data point. Various other training programs are also conducted to enhance technical skills of students and staff.

5.Evidence of Success:

- 1 NPTEL Student received Topper certificate, 73 students received Silver certificates, 290 students received Elite certificates and a total of 1364 NPTEL certifications done by students.
- Our staff received NPTEL star certificate, motivated learner certificate and discipliner star certificate
- Received Outstanding Rating Twice for NPTEL local chapter of the institute.
- Other achievements by the students in model building etc.
- Rate of placements increased from 41% to 60%
- Confidence level of the students improved
- Interpretational and Communicational skills improved
- Job oriented skills of the students enhanced
- Computational knowledge improved

6.Problems Encountered and Resources Required:

- Providing lab slots to accommodate extra lab hours for online training.
- Providing slots in the time-table to give training in regular time.
- Motivating the students to stay beyond working hours.
- Transport required for learning beyond working hours.
- Hardware and software required for face interaction

The college management provided the required resources and the problems are solved with co-operation of staff and students by providing suitable slots and staying beyond the working hours, if required.

File Description	Document
Best practices as hosted on the Institutional website	View Document

7.3 Institutional Distinctiveness

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

The college has established its Green Protocol to promote environmental protection and promote sustainable living. SEAGI is committed to fostering environmental consciousness among students and society through campus and outside activities.

The college works towards creating a green, pollution-free and healthy environment with a missionary zeal and dedication. The students are given strict instructions to maintain the campus clean and green.

The college's Green Campus policy aims for a clean, eco-friendly environment, promoting sustainable practices and education, while fostering environmental ethics among students and staff.

Mission

To create environmental consciousness among the society and involve in the activities to protect the planet earth from the unscrupulous human invasions for a sustainable, pollution-free and healthy life ahead.

Objectives

- To sensitize the students and staff to minimize the use of polluting products and use environment-friendly products and services.
- To instil the importance of cleanliness for a healthy life.

Objectives of the Policy

- To ensure judicious use of environmental resources to meet the needs and aspirations of the present and future generations.
- To work with all stakeholders and the local community to raise awareness and seek the adoption of environmental good protection and the reduction of any adverse effects on the environment.
- To continuously improve our contribution to climate protection and adaptation to climate change and to the conservation of global resources.
- To make the campus plastics free.

Initiatives Taken to Implement the Clean and Green campus Policy

The Institution is committed to managing its campus in accordance with its Clean and Green Campus Policy by establishing the following infrastructure and carrying out the following activities:

- Landscaping with Trees and Plants
- Street Lights Controller
- Rainwater Harvesting
- Solid Waste Management

- E-waste management
- Display Boards to Promote Environmental Sensibility on College campus
- Observance of Days to protect and Nurture Environment
- The Green, environmental and Energy Audit.

Landscaping with Trees and Plants

As per the Clean and Green Policy of the Siddartha Educational Academy Group of Institutions, Tirupati, Will plant species of trees were planted in large numbers within and outside the campus. Gardeners and full time adequate support staff have been appointed for the maintenance of gardens and keeping the campus litter-free, and clean & Green Campus

Street Lights Controller

To minimize the use of electricity consumption and make the maximum utilization of the available resources, the college has installed Solar Photovoltaic Device sensing system for Dusk to Dawn fully automatic ON/OFF switching of street lights and four sensor-based LED Solar power Street Lights are installed at various points

Rainwater Harvesting

The College ensures rain-water conservation through rainwater harvesting. The rain water from the roof top outlets is carried through the well connected pipelines to the wells and it is collected in the large water harvesting tanks and the overflowing rain-water from these tanks is discharged in the soak pits for ground water recharge

Solid waste management

The Solid waste generated in the campus is segregated as bio degradable and non-degradable and handed over to Municipal Corporation as a part of Swachh Bharat Abhiyan.

All the Departments, Laboratories and Classrooms are provided with dustbins for dry wastage disposal. Segregation of the waste into dry and e-waste is done through the separately allotted dustbins at strategic locations in the college.

Liquid waste Management

Two Soak pits for groundwater recharge are constructed for non-hazardous liquid waste generated from labs. This percolation pit is also like rain water harvesting system. The pit is filled with gravel/pebbles followed by river sand for better percolation.

Observance of Day to Protect and Nurture Environment

The organization of various events like, Awareness campaigns, Cleanliness Drives, Seminars, conferences, workshops, presentations, tree plantation drives, Rangoli competitions, Essay Competitions, study tours, Guest Lectures, Talks, etc, on the occasion of various days 'World Environment Day' (05june), ensure to create awareness among young students and public about various environment related problem and conservation of Nature and natural resources in the surrounding area and educating on how

to live a Eco-friendly life.

E-Waste Management

SEAGI ensure that its usage of technology and generation of e-waste does not impact the Environment. For this purpose, the college plans to strive towards:

- More provisions for the disposal of the institutional e-waste.
- Collaboration with e-waste recycling companies to get electronic waste recycled.
- Awareness amongst students about reduction of e-waste and environment friendly disposal practices for e-waste.
- Encouraging department and society level activities pertaining to e-waste management.

Conduct Green Audit

The college aims to regularly conduct a Green Audit of the college campus to assess its strengths and weaknesses to further our goals of long term sustainability. A green audit is a useful tool to determine how and where most energy or water or resources are being used. The college can consider how to implement changes and make savings. and determine the type and volume of waste. Recycling projects or waste minimization plans can be adopted. It will create health consciousness and promote environmental values and ethics. It provides a better understanding of the impact of eco-friendly practices on campus. Green auditing will promote financial savings through reduction of resource use. It is imperative that the college evaluate its own contributions towards a sustainable future.

Conduct Energy Audit

An Energy Audit is to be conducted as and when required to further reduce its carbon footprint. The importance of reducing energy consumption cannot be overstated. The energy audit, with its specialized tools will identify wastage of energy. Such an inspection often reveals several different flaws which cause a loss of significant amounts of energy which the college will not be able to detect. These flaws often have easy and affordable solutions and provide significant savings.

File Description	Document
Appropriate web in the Institutional website	View Document

5. CONCLUSION

Additional Information :

Industry Institute Interaction (III) is initiated in the form of inviting industry experts to the college for the Lectures, Workshops, Seminars and Internships. And also students have been taken to ISRO, SHAR, RTPP, Muddanur, IIRS-ISRO, Dehardun, Students chapter and DREEMS, Tirupati.

The Institute's Innovation Council (IIC) encourages students to participate in Innovation fairs in various Institutes like IITs and Universities. The IIC has a tie-up with the local MB University (Mentor).

As part of community service projects, a nearby village C.Gollapalli was adopted. Four other nearby villages have been benefited under CSP and in the near future, the Institute wishes to adopt these four villages as well.

Concluding Remarks :

The Institute was established with the approval of AICTE, APSCHE and Affiliated to JNTUA, Ananthapuramu. It is an affiliated self-financing Institute in a rural background near Tirupati, AP.

The College was started with five UG branches (B.Tech) and one PG programme (MBA). At present, Seven UG programs (B.Tech), Four (M.Tech) and One MBA programme are being run.

The College basically concentrates on teaching and learning process. This resulted in one **Gold medal** and **Four Prathibha Awards** and also focuses on Placements of students every year resulting in the students are placed in various companies progressively. Besides, the Institute provides quality education following the curriculum given by the affiliating University as well as Industry related advances to bridge the gap between academic curriculum and Industry requirement.