SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY

EKTA NAGAR, NEAR AYYAPPA NAGAR CIRCLE, DEVASANDRA MAIN ROAD, KR PURAM, BANGALORE
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Submitted To

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

BANGALORE

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

S.E.A College of Engineering and Technology (SEACET) was established by the South East Asian Education Trust under the dynamic leadership of **Sri A.Krishnappa** in the year 2007, Initially, it started functioning with Computer Science and Engineering, Electronics and Communication Engineering, Information Science and Engineering and Mechanical Engineering branches, offering 4 years duration Degree Programme in Engineering. Two years duration Masters Programme in Master of Business Administration (MBA) was added in the year 2008-09 and later a 4 year duration degree programme in Civil Engineering was introduced in the year 2009-10. The approved intake for the courses for the academic year 2022-23 are as follows; Computer Science & Engineering: 120; Information Science & Engineering: 60; Electronics & Communications Engineering: 60; Mechanical Engineering : 30; Civil Engineering: 60; Artificial Intelligence and Machine Learning: 60; CSE (IoT and Cyber Security including Blockchain Technology): 60; Agricultural Engineering:30; MBA: 60; M. Tech., (Computer Science and Engineering): 9 and M. Tech., (VLSI Design and Embedded Systems):18 with a total approved intake of 567 students per annum. In addition, the college is a recognized research center in 05 branches viz., E&CE, CS&E, ME, MBA, Chemistry. There are four Research Scholors presently working under the guidance of faculty recognized as research guides by VTU. The Institution is approved by the Government of Karnataka and All India Council of Technical Education, New Delhi and is presently affiliated to the Visvesvaraya Technological University (VTU), Belagavi, Karnataka.

The Management is keen to uphold the traditional Indian values. The thrust here is to blend thoroughly the modern and the traditional. An effort is afoot in the institution not only to raise the self-esteem of the student but to train him to respect others also. The teaching-learning technique in the institution is mainly based on Do, Feel, Learn and Reflect.

Vision

To nurture skilled and value based professionals, who can contribute to the growth and development of the nation.

Mission

To groom and transform the raw students into a highly skilled, knowledgeable, technically resourceful engineer with grace and character to take on the forth coming global challenges. The detailed objectives are as follows:

- To impart world class education in engineering and technology
- To impart knowledge to the students on the fundamental principles of Engineering Sciences.
- To provide in-depth knowledge of Technology and its applications to meet the requirement of the industry.
- To build ethically strong and socially responsible citizens.
- To conduct research in the relevant fields and to further advancement of learning and dissemination of knowledge.
- To impart up to date technical knowledge and skills and produce well-qualified engineers in areas of all

branches of Engineering, who can make qualitative difference in their fields.
- To inculcate the skills required to play leadership role in the industry and society.
- To address social and cultural issues demanded of them in the modern society.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

- 15 years of Excellence in education.
- World class infrastructure.
- SEACET is proud to claim to be a safe, ragging free and beautiful green. campus with ultra-modern facilities to learn and live.
- Experienced, dedicated and highly qualified faculty members. 200+ staff who are experts in their field of knowledge.
- Encouraging campus placements.
- Technology driven instructional methodology with EDUSAT and NPTEL supported teaching videos.
- Excellent facilities for sports.
- 45-Acre sprawling campus.
- Wi-Fi Enabled Campus
- Well-established labs.
- Five Research centers (to pursue Ph.D) as recognized by VTU.
- MOUs with reputed organizations like Texas Instruments, Cranes Varsity, Infosys.
- Pre placements training conducted by leading institution like Capgemini, Pro-Edge, Course Cube, Edubridge, etc.

Institutional Weakness

- Fewer number of patents.
- Funded Research Projects.
- Need to collaborate among the industry and consultancy.
- Limited number of Publication in reputed journals.
- Low Extension activities.

Institutional Opportunity

- Securing autonomous status
- Increasing number of value added programmes
- Establishment of Incubation Centers.
- Promoting Startup Culture among students.

Institutional Challenge

- Achieving 100% results at all years.
- Placements in core industries.

- Initiating consultancy services from the industries
- Having full admissions among all branches offered by the college.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

The college follows the curriculum designed and offered by the university.

The teachers of the college help the university in this process periodically. College takes necessary measure to strengthen the same with new and contemporary areas.

College is offering value added courses with its own curriculum. The college is providing

academic flexibility to the students. This includes conducting mandatory non-credit courses such as Constitution of India, Professional Ethics & Human Rights (CPH) & Environmental Studies (CIV), Bridge Courses such as Advanced Mathematics III & IV for lateral entry students, Crash courses for extricating semester scheme, Parallel old scheme courses, etc. These courses are incorporated into the regular time table itself at SEACET, with assessments and monitoring.

At the first year level, all the students study common courses. Students can continue branch-specific courses from second year onwards. However, they can change the branch, if they want at the second year level. At third year and final year level students can opt the courses of their choice from the available options under elective courses category as per VTU norms. For PG degree also some advanced and industry - offered electives courses are opted.

The college offers skill-development and value-addition courses to enrich curriculum at no cost or at a very low cost. Technical activities of professional societies, department clubs, Pre placements training conducted by leading institution like Capgemini, Pro-Edge, Course Cube, Edubridge, etc ,helps students to widen their perspectives of knowledge.

Teaching-learning and Evaluation

Karnataka state government regulates engineering admissions for UG and PG in Karnataka through centralized admission procedure. Admissions are based on the entrance examination conducted by the State Government as well as test conducted at national level. Admissions for the Ph. D. programs are as per the directives of VTU.As such, admission process carried out by the college is highly transparent and is as per norms.

The teaching schedule is in-line with the University’s Calendar of Events. To enhance the learning occurring at different paces for different students, flexibility is in - built in the planning to develop and implement custom made learning methodologies (collaborative, individual, experiential, problem solving, etc.). To ensure the quality of teaching, learning and evaluation processes both the knowledge as well as the cognition dimension of the revised Bloom’s taxonomy is been followed by the college. The college has qualified and experienced faculty.

Academic and exam schedule are carried out as per the norms of the VTU. The College has a centralized

Examination committee to conduct internal test and semester end examinations. Fair practices and transparency are maintained in the examination and evaluation processes. Effective Continuous Internal Evaluation (CIE) system is in place. Due to the efforts taken by the faculty members and students, most of the students complete their engineering program in the stipulated time with good percentage.

Research, Innovations and Extension

The college is a recognized center of VTU in five disciplines. Faculty are also allotted research scholars.

The College constituted a research committee. The institute offers two post-graduate programs having the base of research yet M.Tech Level. The research promotion committee has offered many suggestions to the faculty for promoting the research activity. As a result of this, the students are taking interdisciplinary projects. SEACET has encouraged its faculty and students to establish linkages with industry and community. College has also setup R&D centers in Mechanical Engineering, Electronics Engineering and Computer Science Engineering. Signed 12 MoU's with industry for promoting research and hands on experience. The college provides incentives to the faculty for their research contribution. Research meeting is conducted once in a quarter to discuss the all aspects of research activities to promote quality research. The college has one NSS unit granted by the VTU.

The extension activities are conducted for local community and different community development programs are arranged through NSS camp, computer literacy programme, blood donation, tree plantation, etc.

Infrastructure and Learning Resources

The institute has land, building and infrastructure facilities as per the AICTE norms. The institute has also taken initiative to provide the additional facilities like transport, hostel and internet to meet the local needs. The library is well equipped and the reading room is open from 8am to 8pm. The campus has 200 computers that are connected in LAN. The Wi-Fi is provided on to the campus. The maintenance of the facilities are done internally.

The state-of-the-art infrastructure augments learning which significant concern of the institution. The College building has well ventilated, spacious classrooms, tutorial rooms, laboratories catering to the syllabus and beyond. Staff rooms, Rest rooms, etc. are available to meet all the curriculum, staff and student requirements. The infrastructural facilities are augmented in-line with the increased demand. The vibrant environment coupled with the clean-Green campus ensures the all-round development of the students. The college has sports facilities both indoor and outdoor to play various games like shuttle, badminton, volleyball, cricket, Kho-Kho, chess and Carom etc. It also has full fledged gym, shooting range, billiards table and Table tennis. It has good and spacious playground and training facilities for games like cricket, basketball and Tennis.

Central library is well equipped with modern facilities including wi-fi technology and CCTV. The library at SEACET facilitates the reference needs (with browsing facility, newspapers section, CD section, reference text books and sufficient seating) and book issuing process (ICT enabled). Library also has tie-up with VTU e-consortium and an institutional repository of NPTEL Video Lectures, Previous year question papers, project reports, manuals, etc. catering to different needs of the students and staff.

Student Support and Progression

Since the time of admission into the 1st year the students are provided with career orientation. Many co-curricular and extracurricular activities are conducted to encourage the students to decide on the career options.

The institute provides the counseling facilities to the students .The institute conducts soft-skill development, career counseling, and personal enhancement sessions for the students by inviting external experts. For the overall development of students, the institute is encouraging student participation in co-curricular and extra-curricular activities by providing the required support. Training and placement cell provides pre-placement guidance to the students for placement activities. The cell coordinates internship and placement activities.

An online test facility is setup in the college to help students to receive training on online testing procedures.

The student representatives are made the members of IQAC, anti-ragging committee and hostel committee. The College collects feedback on support services from all the final year students as well as from the student representatives in order to improve these services. Department encourages students to participate in national and international level events.

Occasionally, College provides guidance to the students to undertake competitive and entrance examinations.

Governance, Leadership and Management

The College is established by South East Education Trust, Registered under the Indian Trusts Act, 1882. The trust is governed by the board of trustee. the College has Governing Council constituted as per norms of the University. Both the trust and the GC meet periodically to review the functioning of the college.

The Operational Management of the college is looked after the Principal, and Heads of the Department. The management takes part actively in the working of institution. The Internal Quality Assurance Cell (IQAC) at SEACET is responsible for the overall monitoring of the system, setting/ revising guidelines for improved performance, carrying out the Academic Audit of faculty, and facilitating interactions with industry and community. The Management takes care of the faculty requirement, infrastructure and financial expenditure and provides the fund for different developmental activities taking place in the campus. The HODs of various departments will identify and address the needs of the departments. Also day-to-day activities of the departments will be discussed with Principal.

The major decisions which have a bearing on the function and the goal of the college are done by the Governing Council which includes the Chairman of the institution. The staff council of the college headed by the Principal, Vice Principal, and all the HODs as members ensures the proper implementation of the decisions and directions given. The Management gives sufficient freedom to the Principal, who is the academic head of the institution to function in order to fulfill the vision and mission of the institution. HOD's are delegated with department level authority. The responsibilities are communicated to the faculty members through regular staff meetings. The office administration of the College is headed by the Superintendent under whom the other staffs work.

Institutional Values and Best Practices

The college has the vision to nurture students to emerge as qualified professionals to serve the nation. The college incorporates innovative ideas for promoting employability among students. It is also focusing on developing leadership. The college takes efforts to bring in innovations in teaching-learning process such as adopting revised Bloom's Taxonomy, use of social platforms, use of modern teaching tools.

The college has identified the following two best practices.

1. Centralized Internal Assessment Cell

2. S.E.A CET Institute Innovation Council (IIC)

The distinct area of the college in the domain of implementing Outcome Based Education (OBE)

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	S.E.A. COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, KR Puram, Bangalore
City	BANGALORE
State	Karnataka
Pin	560049
Website	www.seacet-bangalore.org.in

Contacts for Communication					
Designation	**Name**	**Telephone with STD Code**	**Mobile**	**Fax**	**Email**
Principal	B Venkata Narayana	080-29730681	9448956755	080-25613918	principal.seacet@gmail.com
IQAC / CIQA coordinator	Pradeep Kumar N S	080-8029730681	9739048542	080-8025613918	pradii123@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular Day

Recognized Minority institution	
If it is a recognized minroity institution	No

Establishment Details

State	University name	Document
Karnataka	Visvesvaraya Technological University	View Document

Details of UGC recognition		
Under Section	**Date**	**View Document**
2f of UGC	06-10-2021	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	02-07-2021	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	Ekta Nagar, Near Ayyappa Nagar Circle, Devasandra Main Road, KR Puram, Bangalore	Urban	16.24	55000

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	BE,Computer Science And Engineering	48	Twelve Standard	English	126	121
UG	BE,Information Science And Engineering	48	Twelve Standard	English	63	62
UG	BE,Electronics And Communication Engineering	48	Twelve Standard	English	63	35
UG	BE,Mechanical Engineering	48	Twelve Standard	English	63	9
UG	BE,Civil Engineering	48	Twelve Standard	English	63	7
UG	BE,Artificial Intelligence And Machine Learning	48	Twelve Standard	English	63	63
UG	BE,Iot And Cyber Security Including Block Chain Technology	48	Twelve Standard	English	63	61
PG	Mtech,Computer Science And Engineering	24	B.E or B.Tech	English	9	1
PG	Mtech,Electronics And Communication Engineering	24	B.E or B.Tech	English	18	2

PG	MBA,Mba	24	Degree	English	60	36
Doctoral (Ph.D)	PhD or DPhil,Computer Science And Engineering	60	PG	English	2	2
Doctoral (Ph.D)	PhD or DPhil,Electronics And Communication Engineering	60	PG	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Mechanical Engineering	60	PG	English	1	1
Doctoral (Ph.D)	PhD or DPhil,Mba	60	PG	English	1	0
Doctoral (Ph.D)	PhD or DPhil,Chemistry	60	PG	English	1	0

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				4				6				55
Recruited	3	1	0	4	4	2	0	6	22	33	0	55
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				14
Recruited	7	7	0	14
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				16
Recruited	9	7	0	16
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	**Professor**			**Associate Professor**			**Assistant Professor**			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	1	0	3	1	0	4	2	0	14
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	1	1	0	18	31	0	51
UG	0	0	0	0	0	0	0	0	0	0

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

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

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

Programme		**From the State Where College is Located**	**From Other States of India**	**NRI Students**	**Foreign Students**	**Total**
UG	Male	146	70	0	1	217
	Female	131	9	0	1	141
	Others	0	0	0	0	0
PG	Male	15	1	0	0	16
	Female	23	0	0	0	23
	Others	0	0	0	0	0
Doctoral (Ph.D)	Male	3	0	0	0	3
	Female	1	0	0	0	1
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Category		**Year 1**	**Year 2**	**Year 3**	**Year 4**
SC	Male	15	4	11	12
	Female	17	2	10	3
	Others	0	0	0	0
ST	Male	7	2	4	0
	Female	3	3	4	2
	Others	0	0	0	0
OBC	Male	85	31	56	34
	Female	82	17	37	30
	Others	0	0	0	0
General	Male	150	55	84	79
	Female	42	23	42	41
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		401	137	248	201

Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	Our institute being an affiliated college is guided by the rules and regulation of the University. The course is designed and given the Visvesaraya Technological University in our case. The Government of Karnataka had been the first state in the country, which has adopted the National Education Policy during the Academic Year 2021-22 itself. Accordingly, all the Universities in the State have restructured their Curriculum incorporating the philosophy and design of NEP. VTU has thoroughly revised the course structure and content and implemented the same from the Academic Year 2021-22.The University has introduced multidisciplinary and interdisciplinary flexible education in the curriculum and the students

	are benefitted in enhancing their skills required for industry-innovation and research areas. The students are focused not only to relay on government jobs but on to become a successful entrepreneur through startups. It is heartening to note that a thorough change has been done to the curriculum by the university through NEP and are implementing it.
2. Academic bank of credits (ABC):	Academic bank of credits was introduced by the National Education Policy 2020 that allows the students to exit and enter the course in a stipulated period. The entire curriculum of the University is Credit based. The student has the freedom to pursue the courses and credits of his choice and deposit into his account. In this regard the institution is awaiting the detailed guidelines from the University, as it is the Degree granting authority.
3. Skill development:	The institution is making several efforts for skill development by making MoUs with various companies like Capgemini, Indian Tech Keys, Skill Dzire, etc., to conduct various skill courses. By conducting workshops, seminars, and guest lectures, we motivate and promote the students to achieve humanity, integrity, ethical and universal human values. The learning process includes blended mode also.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	India has number of Languages, tradition and culture forming the constituents of the Indian knowledge. Interestingly, our Institution has students from different parts of the states hence we encourage them to share their knowledge and culture in their regional languages. Moreover, a non-credit course is offered in Kannada language to make the students of other States to be friendly and helpful to other students and local community. The Institution organizes annually Ethnic Day to familiarize all the students with the languages and cultures of the country.
5. Focus on Outcome based education (OBE):	One of the distinctive features of the Institution is that it has implemented OBE for the past several years, even before the NEP has been published. The Institution has been following the Bloom’s Taxonomy model of OBE and thus ensuring the students and parents to choose an institution, program and course based on learning objectives. It gives clarity to the stakeholders. What students has to accomplish after their course completely depends on

	Course Outcome (CO), Program Outcome (PO), Program Specific Outcome (PSO) and Program Educational Objective (PEO). The clarity further depends on teaching learning process of various departments and faculty needs to be adjusted for this. One advantage of OBE is the flexibility like what student like to study and how they would like to study. The students are allowed to transfer their credits and switch to other institution which is accredited to OBE syllabus. Based on this accreditation, the institution can be compared with other recognized institutions.
6. Distance education/online education:	Due to the pandemic situation from the past two years, Online Teaching-Learning started playing a crucial role with faculties and students. In this online education, the Learners adopt any of the digital platforms like Zoom Meetings; Google meet links which has broke the barriers for the interaction with experts and students. As a part of the curriculum and National Education Policy, the students are motivated to use the education system in blended mode; this gives the Learners to strengthen their confidence to adapt the changes in day to day life by balancing online and offline teaching mode. Being an Engineering Institution, it has all the facilities to carry out the TLP in an effective manner in the blended mode.

Extended Profile

1 Students

1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
934	765	919	984	1234

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

2 Teachers

2.1

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

Response: 88

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

2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
49	52	59	63	69

3 Institution

3.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
415.98	339.66	318.56	408.95	450.55

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

S.E.A.CET being affiliated to VTU follows the curriculum given by the university. The VTU provides the academic calendar. Based on the VTU academic calendar, college prepares its own academic calendar. The same is printed and circulated to the students and staff at the beginning of the concerned semester. The academic calendar provides date of commencement of the academic session, duration of semester, period of internal assessment tests, final semester examinations, etc. The teaching plan is prepared by the individual departments under the guidance of concerned staff council.

Various Course Delivery Methods are:

- **Lectures:** Lectures are used to convey information, history, background, theories and equations of engineering practice. Lectures are used to relate engineering practice with ethical issues.
- **Class presentations**: Presentations are given to illustrate ideas and concepts in intricate graphical and animation form to effectively communicate the working of actual engineering solutions and their impact.
- **Lab experimental work:** Laboratory work demonstrates how theory can be verified by experiments through interpretation of results.
- Online classes are conducted to take care of the post Covid-10 situation as per the directions of the AICTE and University.

The quality of class room teaching is enhanced by giving faculty awareness about pedagogical teaching learning method and Outcome Based Education (OBE) by various workshops and faculty development programs conducted by the college and the University. Course files are maintained by the faculty members for the subjects handled by them with the following contents: VTU Syllabus, Time Table, Lesson Plan, Lecture Notes, Module wise Question Banks, Previous VTU Question Papers with solution, Internal Assessment Test Question Papers with scheme and solution and Sample Answer Papers, Assignment Questions. The Blooms Taxonomy structure is followed to improve the effectiveness of the curriculum delivery.

Curriculum implementation is done in the following manner:

Departmental Meetings: Heads of the Departments organize faculty meetings at department level. In these meetings, distribution of workload and its effective implementation are discussed. Workload distribution is submitted to the principal as well as time table committee.

Academic Calendar: Academic Calendar is prepared as per the Visveswaraya Technological University academic schedule and the requirements at the department level are also taken into consideration, keeping in view the action plans drawn.

Lesson Plan: A Lesson plan includes course outcomes, course objectives, content topics, reference books and the expected outcomes from the students by learning through the topics prepared by respective faculty members at the beginning of each semester.

Time Table: The time table is a necessary instrument for the efficient working of a college. It reflects the entire educational programme of the college. Time table provides the framework within which the work of the college proceeds.

CIE: There are three internal tests conducted. The schedules of internal assessments are communicated to the students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. A week before the conduct of internal exam, the time table is displayed on the notice board.

File Description	Document
Upload Additional information	View Document

1.2 Academic Flexibility

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

Response: 6

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

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

Response: 17.64

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

2021-22	2020-21	2019-20	2018-19	2017-18
110	252	287	204	0

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

1.3 Curriculum Enrichment

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

Response:

The Institution takes measures to sensitize students towards cross-cutting issues on gender, environment and sustainability, human values and professional ethics into the curriculum. The curriculum offered by Visvesvaraya Technological University has subjects which are compulsory to all the students on moral values and social responsibilities. The college has taken the following initiatives to organize various programmes and activities.

Various committees have been formed by the Institution to integrate activities for the following cross-cutting issues into the curriculum:

Gender: The Women Empowerment Cell is formed to sensitize students regarding gender-related issues and make the campus a safe place for them. Students are encouraged to participate in lectures/seminars, placards/poster making, banners and captions/slogans on women related issues. Self-defense workshops are organized to face the challenges encountered ,if any. The institution has the facility to learn self-defense mechanism. There is one coach appointed for this purpose. Weekly training classes are held for girl students for learning karate.

Environmental Education: The university curriculum has prescribed foundation courses like Environmental Studies for creating awareness on the various concerns and issues related to the environment. The college is made ‘plastic free’. Besides, banners were erected prohibiting the use of polythene bags are put up at various locations in and around the campus for promoting environmental consciousness. The college is regularly conducting programs relating to environmental issues every year.

Human Rights: The college has set up committees and cells to deal with various kinds of grievances namely the anti-ragging committee, anti-sexual harassment, students’ grievance-redressal cell which handles sensitive issues regarding the students rights and security. The disciplinary committee administers the rules and regulations to address any misconduct, inappropriate behaviour and accordingly take appropriate action against the offenders. Orientation sessions on Human Rights are periodically conducted by the Law faculty of the college.

Moral and Ethical Values: The students are taught moral, ethical and behavioral values through soft skills classes and lectures and talks by eminent personalities. Code of conduct and discipline is insisted upon at all times. There was at least one event conducted every year.

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: 70.66

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

Response: 660

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

1.4 Feedback System

1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website (Yes or No)

Response: Yes

File Description	Document
Upload supporting document	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Enrolment percentage

Response: 34.44

2.1.1.1 **Number of students admitted year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
376	126	230	178	243

2.1.1.2 **Number of sanctioned seats year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
567	627	666	744	744

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

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

Response: 39.58

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

2021-22	2020-21	2019-20	2018-19	2017-18
86	40	58	62	77

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

2021-22	2020-21	2019-20	2018-19	2017-18
140	153	161	181	181

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

2.2 Student Teacher Ratio

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

Response: 19.06

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools

Response:

S.E.A.CET adopts the regulation and teaching learning methods proposed by VTU. For the effective teaching-learning, the process defined is as follows:

1.Preparation of calendar of events and activities, preparation of course file by individual faculty, preparation of course plan (course wise), weekly report of syllabus coverage, monitoring of monthly attendance

2. The seminars and workshops are conducted for the faculty

3. Examining students by conducting three internal tests.

4. Holding extra classes for course completion on time.

5. The arrangement of remedial classes, doubt clearing classes for slow learners

6. Establishment of a research cell in order to encourage research activities

8. Outcome-based learning. The institute’s prime focus is on high academic performance, through outcome-based learning and evaluation process. Greater importance for continuous assessment, creatively implemented as per the needs of each course

10. Learning is made student-centric through a series Lectures , Class Presentations, Tutorials, Group

Discussions , Lab experimental work, Written Assignments, Case Studies / Technical report**s,** Mini projects, Project Phase I and II, Internships, Field Visits, Webinars, National Digital Library Resources

11. Experiential Learning: Appropriate industry visits are planned and organized to facilitate proper understanding of concepts. Each lab/workshop with appropriate layout is designed and maintained as per AICTE norms

14. Participative Learning: SEACET always supports teachers to develop skills through participative learning, activities like seminars, debates on current issues, group discussions, and quizzes. Such activities develop stage courage, skills of expression, thinking power among the students. Student's enthusiasm, involvement and willingness to participate make learning mode more student-centric.

15.To promote the spirit of Team work like NSS, Village Adoption, AICTE activity, Tree plantation, Swatchh Bharat and Health awareness camp to help the students to learn Art of living in a team for Social and community welfare.

16. Problem Solving Methodologies: Assignments, Case study methods are adopted. Students undertake an internship at organizations where they are exposed to real world issues and problems and the policymaking process. Taking students for Industrial visits and training programs developing communication & presentation skills. Assigning mini projects and Project work under the guidance of faculties are done

17. The quality of teaching is monitored through feedback which is obtained from the students to assure quality in teaching and learning process.

18. Teacher's study materials [soft copy-PowerPoint/PDF presentation, Simulation & animation] are shared with students.

19. Prizes are given for the best project.

20.ICT enabled tools for effective teaching-learning process: ICT enabled teaching includes Wi-Fi enabled campus, class rooms with LCD, Language Lab, Smart Class rooms, etc. S.E.A.CET adopts modern pedagogy to enhance teaching-learning process. The institution has the essential equipments to support the faculty members and students.

TOTAL No. OF PCs : 220

TOTAL No. PRINTERS : 15

SYSTEM SOFTWARES : 6 (Windows / Fedora, Open source ,etc)

APPLICATION SOFTWARE : 25

(Open Sources like Anaconda, python, eclipse, android studio, Keil, xilling, Spyder etc..)

INTERNET BANDWIDTH : BSNL (FTTH) – 100 MBPS

: JIO (Leased) – 50 MBPS

Wi-Fi FACILITY : Available

QPDS : Available

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

2021-22	2020-21	2019-20	2018-19	2017-18
49	52	59	63	69

File Description	Document
Upload supporting document	View Document

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

Response: 17.81

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

2021-22	2020-21	2019-20	2018-19	2017-18
9	11	11	10	11

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

2.5 Evaluation Process and Reforms

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

Response:

Response:

S.E.A.CET is affiliated to VTU, Belagavi. The rules and regulations for evaluation process are laid down by the affiliating University and are communicated to students through syllabus copies supplied at thebeginning of first year of their academic program.

The following is the procedure adopted to ensure that IA is transparent:

- The schedules of internal assessments are communicated to students and faculty at the beginning of the semester through institute's academic calendar.
- Students are given general instructions regarding the evaluation methods of University answer scripts. The periodic instructions issued by the university are promptly communicated to the students. Such instructions are read in the classrooms and the copy of the same is displayed on the students' notice board.
- The faculties are entrusted with the duty of providing awareness among the students regarding this.
- Further any changes in the evaluation process will be communicated to students and faculty through circulars.
- Internal Examinations:

Three internal assessment tests are given during each semester, Time table for which is prepared well in advance and communicated to the students earlier.

Seating plan and table marking is followed even for internal assessment tests and it is displayed on the notice board along with the Internal assessment time table.

After evaluation of internal assessment answer scripts, the scripts are given to students to have an idea of their performance in the test.

If they come across any doubts, clarification is given which enables them to fare better in future.

By adopting the criteria as per the direction of affiliating university, complete transparency is maintained in internal assessment tests.

Students and faculty members are made aware of the transparency to be maintained in the system of assessment. This further enhances the rapport between faculty members and students.

After preparing the assessments report it is shown to the students, if any grievance is there it is resolved immediately and submitted by the concerned faculty to the Head of the department. A copy of the same is uploaded in the VTU at the end of the semester.

- Theory subjects are assessed through:

Three internal tests

Assignments

Seminars

- Practical subjects are assessed through:

Internal tests

Mini projects

External Examinations:

External examination at the end of every semester is conducted by the University. Any grievances related to university question paper like out of syllabus, repeated questions, improper split of marks, missing marks, wrong question number during semester exams are addressed to the Principal.

There is also the facility of revaluation given to the students by the University. If any student is not satisfied with the valuation, he/she can make an application in the prescribed format.

The re-evaluated marks can be obtained from the University during the announcement of revaluation results of the same semester.

In order to maintain transparency, students can apply for the photo copy of their answer script and they may decide on re-valuation/re-totaling.

Therefore, the mechanism dealing with the Internal and External examination is highly transparent, time bound and efficient.

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 and attainment of POs and COs are evaluated

Response:

The details of Program Outcomes and Course Outcomes for all the programs and the mechanism of communication are explained hereunder.

- Program Outcomes (POs) as given by the NBA are displayed in the prominent places in all the departments and also on the website.

The following are the Program Outcomes:

1. Engineering knowledge

2. Problem analysis

3. Design / development of solutions

4. Conduct investigations of complex problems

5. Modern tool usage

6. The engineer and society

7. Environment and sustainability

8. Ethics

9. Individual and team work

10. Communication

11. Project management and finance

12. Life-long learning

- Course Outcomes (COs) are written for each course in every program after discussion amongst the course instructors and course coordinators. The COs are kept in the course file of individual faculty. The COs form the basis for achieving the POs/PSOs and Mission and Vision of the Institute, hence a brief description on defining a CO is given below.

- Course instructor defines the course outcomes using Bloom's Taxonomy and discusses with the course coordinator.
- The Department Committee reviews the Course Outcomes (COs). The COs are agreed upon by the faculty of the program and should drive towards the POs and PSOs.
- Each Course Outcome is mapped to Program Outcomes in terms of relevance. Three levels of relevance based on degree of correlation are used. The levels of correlation are 1 for low, 2 for medium and 3 for high correlation.
- The contribution of course to each PO is expressed in terms of average relevance of COs mapped to that particular PO. Similarly the value computed for all the courses including first year courses shall be entered for the corresponding PO and PSOs.
- Awareness about POs/PSOs & COs is made to students by faculty at the beginning of the semester besides displaying them in the respective departments, and on the college website.

File Description	Document
Upload Additional information	View Document

2.6.2 Pass percentage of Students during last five years

Response: 91.86

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

2021-22	2020-21	2019-20	2018-19	2017-18
169	218	273	236	289

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

2021-22	2020-21	2019-20	2018-19	2017-18
180	236	294	266	314

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

2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process **Response:** 3.34	
File Description	**Document**
Upload database of all students on roll	View Document

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

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

Response: 0

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

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

File Description	Document
Institutional data in the prescribed format	View Document

3.2 Innovation Ecosystem

3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

Response:

Institution has created an eco system for innovations and other initiatives for creation and transfer of knowledge under which college nurtures, guides and promotes some brilliant ideas of students and faculties. The faculty members are empowered to take up research activities utilizing the existing facilities. The college has five Research Centres to motivate the faculty members to write feasibility studies and research projects, and also helps to create research culture among faculty members and students.

Entrepreneurship Development Cell (EDC) initiated various activities for the career enhancement of students through different media like self employment, start up initiatives, collaboration with research institutions and other manufacturing related careers. On the basis of qualitative and quantitative basis, ideas are shortlisted and suggested for development. EDC encourages the establishment of different clubs constituted by the students, there by favoring the students by providing guidance on healthy innovation interactive sessions. Further these discussions are converted into innovative projects and other development activity in the research context. EDC organized a one day Entrepreneurship Awareness Camp. The participants of the camp were higher semester students from science and technology background. The programme included sessions on different aspects of entrepreneurship including a factory visit to a small scale industry. The resource persons included entrepreneurs, intrapreneurs and people from eminent government bodies.

The college has established Research centers in the disciplines of Mechanical Engineering, ECE, CSE,

Chemistry and Management. Necessary lab facilities were arranged in these centers for conducting research activities. Dr.Venkata Narayana B, Dr G Nirupama, Dr.Sundeep Kumar K, Dr.P.Hosanna Princye of the faculty are recognized by the VTU as Research Supervisors and Mr. Ramesh, Mr. Rajesh T R, Mr. Niranjan Hugar, Mr. Manjunatha C J, Mr. Chandrashekar B Kenchannavar, Mrs. Nunna Deepthi, Mr. D Srinivasan, Mr S Kalyan Yadav, Mrs. V Hemashree, Mr.Somashekhar R, Mr. Prakash R V, Mr. Asgar Pasha, Mr. Sukesh H A, Mrs Gayathri T, Mr. Ramakrishna Reddy Badveli Mr. Arun Kumar S and Mr.Suhas SK, Mrs. K Revathi, are working under their guidance for Ph.D. Similarly, college has tied up with research organizations to set up incubation centers in these branches of knowledge.

College supports individual faculties to enhance their skills towards progression of curricular and co-curricular activities and motivates them to publish research papers and patents.

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: 11

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

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	2	3	3

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: 0.64

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

2021-22	2020-21	2019-20	2018-19	2017-18
14	13	7	14	8

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

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

Response: 0.13

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

2021-22	2020-21	2019-20	2018-19	2017-18
06	01	3	1	00

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

3.4 Extension Activities

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

Response:

The institute organizes a number of co-curricular and extracurricular activities to sensitize students on social issues and for holistic development. Some of the activities that were conducted and being conducted are listed below

1. Induction program to the first year students
2. Swachch Bharath Abhiyan through NSS
3. Voluntary Blood Donation Camp
4. Green initiatives
5. Health & Hygiene Club

6. Donations to Orphanage centers

Induction Program is conducted for the first year students to give them orientation of the department of physics and chemistry and awareness on rules and regulations to be followed in the library, getting the knowledge about progarmming in computer lab, etc.

Institute has established university approved NSS wing in A.Y.2019-20 followed by extension work from the current academic year. The objective of NSS is to reflect the essence of democratic living and upholds the need for self-less service. The NSS volunteers shall strive for the well-being of the society which mainly promote the improvement in the community service along with leadership qualities with good moral and ethical values which help the student for holistic development. The College has 1 unit, with the strength of 100 volunteers along with the program officer of NSS unit.

The College NSS Unit also has arranged blood donation camps. Institution is taking at most care on neighborhood development without much scarcity in terms of basic needs and other relevant needs of the society. Students donate their blood on campus in blood donation drive and according to the need of the patient at government and private hospitals in Bangalore for different situations. The major strength of this college is its ability to ensure the holistic development of students to make them responsible citizens by teaching the moral values. The college management always motivates the students social participation and also drives to achieve its goal of providing higher technical education to create an equitable society with ethical values.

Earth Day was celebrated with a tag line “Go Green for Tomorrow”. On the occasion of World’s Earth Day on 22nd April 2022 have taken an initiative to plant about 50 saplings by Hon’ble Jt. Secretary Mrs. K Anupama madam, Faculties, Students and volunteers in the Campus.

The main objective of Health and Hygiene Club is to create awareness among the faculty, students and supporting staff members about the food consciousness and healthy living habits. Institute is interested to inculcate the social awareness among our students; thereby institute has selected 50 students from various departments. These students serve various villages in and around Bangalore.

The institute is conscious of its role in campus community connection, the wellbeing of its neighborhood and has initiated a number of community development activities. Local Community engagement on Sri Krishna Jayanthi is a noteworthy activity, where all local people invited to interact and dine with the Management, faculty and students. The MBA department of the department has donated some amount and stationary items to an orphanage center.

File Description	Document
Upload Additional information	View Document

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

Response:

Dr. Anil Kumar S B, Department of MBA has received an award from Global Research Foundation Award, Delhi, and a Unit of KAAV Media Pvt., Ltd. on 5th September 2020, through online for Academic Leadership and Research Development. He has received the award for article publishing and serving as teacher.

Dr. Nalini V has received the award from Viveka Educational and Charitable Trust, Life Force charitable Trust and Julian Foundation, Tamilnadu on 18.09.2022 for organizing the community to serve the cancer and leprosy patients.

File Description	Document
Upload Additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., (including the programmes such as Swachh Bharat, AIDS awareness, Gender issues etc. and/or those organised in collaboration with industry, community and NGOs) during the last five years

Response: 3

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

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

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

3.5 Collaboration

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

Response: 9	
File Description	**Document**
Upload supporting document	View Document
Institutional data in the prescribed format	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

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

Response:

S.E.A College of Engineering and Technology is located in the friendliest eco-environment. The infrastructure is spread across an area of 16.2 Acres. It has a three storied building with a built-up area of 55,000 sq. m. The accommodation comprises of class rooms, Seminar Halls, Auditorium, Conference Hall and Laboratories. Each classroom is equipped with conventional Green Board. The seminar halls are constructed to suit to the conferencing requirements. In addition, there is one Air-Conditioned seminar hall with all the ICT facilities. The college has required number of laboratories as per the norms of AICTE and VTU. Besides these, there are 5 research labs for carrying out R&D activities by the faculty and research scholars.

Also, every laboratory has instructors/technical assistants, who provide constant support and ensure maintenance of the laboratories. All equipments/Components/Tools are always checked for wear and tear and replaced with new or repaired, every semester. Before the commencement of every semester, faculty ensures the availability of required software/equipment for the smooth conduction of the laboratories. The internet bandwidth is 50Mbps.

All departments have separate computer laboratories. All hardware and software packages are updated depending on requirements of the University. Systems are protected with antivirus software. There is one Audio-Visual room setup as per the VTU norms with the financial assistance. The college has the central library facility spread across 5000 sq.m with facility for accessing e-resources.

The College has transport facility to take care of transport schedules for many educational drives. The College has diverse maintenance facilities like civil, electrical, water, gardening, AC maintenance and housekeeping to preserve the whole campus.

Other facilities such as RO water, 24 hours power supply, CCTV, Washroom for physically challenged, Ramp Facilities, and vending machine are available in campus.

Facilities for Sports Activities:

A sound mind coupled with a strong physique is the key to success. Sports activities occupy a significant part of the college curriculum in SEA College of Engineering and Technology. The college has very good playgrounds to support a wide variety of games, such as Cricket, Box Cricket, Football, Volleyball, Badminton, and Lawn Tennis court. There are dedicated courts for Indoor sports like Table Tennis, Badminton and Shooting. Also platforms for Weight Lifting, Power Lifting, Chess, Carom, snooker, karate, indoor gymnasium with areas marked for Yoga, Weight Training and Cardio exercises are present. An exclusive facility is available for girl's students to carry out the slimming activity through aerobics with special coach.

The college has conducted University level tournaments at its play grounds during the last five years. In addition, the sports ground and the facilities are utilized for conducting state level and interstate level sports meet. Occasionally corporates do utilize the S.E.A sports facilities.

Facilities for Cultural Activities:

Students with a passion for music and dance are encouraged to perform and take up coaching in S.E.A Dance Club. Cultural coordinator support students through campus festivals and motivates them for intra and inter college competitions. Multi-purpose auditorium is equipped with acoustics and lighting for conducting annual fest "SEAZONS".

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

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

Response: 4.1

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

2021-22	2020-21	2019-20	2018-19	2017-18
46.80	5.97	4.47	16.24	5.81

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

4.2 Library as a Learning Resource

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

Response:

S.E.A. College of Engineering and Technology is established in the year 2007 with a sanctioned intake of 240. College is started with five branches such as CSE, ISE, ECE and Mech. Later, the Civil Engineering and Post Graduate Programmes such as MBA and M.Tech., in CSE, ECE and Mechanical branches are added. Library is also started in the institution by having of 5600 volumes and 1000 titles of Books. Library has grown up incrementally in terms of collection of Books and Journals.

At present, Library has 22818 volumes with 5012 titles of print version books. Library is a member of VTU e-consortium and has subscribed to e-journals and databases such as, **Elsevier, Springer Nature, Taylor and Francis, IEEE(POP), Knimbus, DELNET, Emerald insight, Emerald Business, Mint e-books, MAP Systems, Net Analytiks, ProQuest, Turnitin**, Net Analytics, etc., and remote access for providing cost effective services to the library users. Library is kept open from 8.00 am to 8.00 pm during the working days of college for optimum usage of learning resources.

During the year 2008 library management system is fully automated with EASYLIB customized software to maintain huge database of library users and learning resources and for free flow and frictionless information services to the library users. All the library books are bar-coded and also users are provided bar-coded library identity cards to access the library resources and transactions.

During the Academic year 2018-19, the Library became a member of National Digital Library (NDL), a national level consortium. In order to provide access to the students to the E-resources, an exclusive common computer lab facility is provided with 12 systems. The same is found highly useful by the students and faculty. In addition, both students and faculty are provided with password (on request) to access e-resources from their home or other possible places.

Details of ILMS are

- Name of ILMS software – **EASYLIB**
- Nature of automation - **Fully automated**
- Version - **4.4.2**
- Year of automation - **2008**

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

Response:

The college has adequate IT facilities for strengthening the teaching and learning process. The computer labs are equipped with sufficient computers with required software and antivirus packages, 50 Mbps Internet facility (JIO & BSNL). The computer lab is powered by UPS to ensure uninterrupted usage of computers. The computers are provided with internet facility. LCD projectors are fixed in all classrooms to provide effective teaching for the students.

The IT facilities available in our college can be summarized as follows:

1. **LAN Facility:**

There are 38 data network switches (Giga byte),18 POE network switches (GB) for access points, CCTV cameras, Intercoms and 1 SOPHOS Cybercam fire wall for content filtering for 2500 users. Simultaneously, 100 Mbps of internet connectivity is shared across the campus; of which 50 Mbps is shared for the students

2. Server configurations in Data Centre:

There are 14 servers with Xeon E-5 version-2,32 GB RAM,1.2 TB hard drive, which are served as Domain Controller (DC), Additional Domain Controller (ADC), student biometric server, faculty biometric server and application servers.

Storage server-2TB*5=10 TB

Back up device-3TB for critical server back up

3. Work stations:

750 desktops are provided to all the department labs with configurations of core i3 3Generation 4GB, 500GB hard disk with LAN connectivity. 140 desktops with configurations of core i3 4GB, 500GB and dual core 250 GB, 2GB hard disk are available to carry out academic and administrative work.

4. Software:

850 genuine windows licenses, with window 7pro and windows XP. 375 Microsoft office standard and professional editions for departments are also available. We also use open source operating systems such as Fedora, Ubuntu and CentOS. All windows systems are protected with Sophos end protection anti-virus

5. Printers:

1 Laser jet printer is provided in each the department further 1 Xerox work center and 1 scanner are available for academic and administrative purposes in the administrative office.

6. Updates and upgradation:

Updates are maintained regularly through WSUS (Windows Server Update Service)and anti-viruses are updated through cloud portal. Around 200 desktops with Pentium 4, 1GB RAM, 80GB hard disk was replaced with an upgraded configuration of core i3 3Generation 4GB, 500 GB hard disk with LAN connectivity

7. Wi-Fi:

69 Extendable Wi-Fi access points are placed in various places like library, corridors, labs, hostel, canteen and outdoor. Wi-Fi access is provided to all the students which is monitored and controlled by SOPHOS Cyberoam fire wall at the IT department for secure content access. All access points are routed to a Wi-Fi controller in the Data Centre where configuration and updates are maintained in a centralized fashion.

8. QPDS Facility:

The VTU has adopted Question Paper Delivery System developed under the patronage of Ministry of HRD for National Mission for Education through Information and Communication Technology. This system has four levels of firewall / security, making it mostly tampers proof and supposedly tackles the menace of question paper leakage. It will be touted to bring in transparency. The QPDS have 2systems 1 Printer 1 CCTV and 1 Server.

File Description	Document
Upload Additional information	View Document

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

Response: 4.25

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

year:

Response: 220

File Description	Document
Upload supporting document	View Document

4.4 Maintenance of Campus Infrastructure

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

Response: 46.55

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

2021-22	2020-21	2019-20	2018-19	2017-18
155.46	140.04	156.57	228.99	219.06

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

Criterion 5 - Student Support and Progression

5.1 Student Support

5.1.1 Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

Response: 39.14

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

2021-22	2020-21	2019-20	2018-19	2017-18
295	249	359	443	547

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

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

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

Response: B. 3 of the above

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

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

Response: 7.49

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

2021-22	2020-21	2019-20	2018-19	2017-18
83	52	99	79	49

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

5.1.4 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

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

Response: B. Any 3 of the above

File Description	Document
Upload supporting document	View Document

5.2 Student Progression

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

Response: 28.91

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

2021-22	2020-21	2019-20	2018-19	2017-18
85	55	99	83	51

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

2021-22	2020-21	2019-20	2018-19	2017-18
180	236	294	266	314

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

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

Response: 21.15

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

2021-22	2020-21	2019-20	2018-19	2017-18
02	03	00	04	02

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

2021-22	2020-21	2019-20	2018-19	2017-18
13	10	00	17	12

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

5.3 Student Participation and Activities

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

Response: 6

5.3.1.1 ***Number of awards/medals for outstanding performance in sports/cultural activities at***

national/international level (award for a team event should be counted as one) year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
00	01	01	04	00

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

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

Response: 2.2

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

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	3	4	1

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 are a strong support to the institution. An active Alumni association can contribute in academic matters, student support as well as mobilization of resources-both financial and non-financial. The institution nurtures the alumni association/chapters to facilitate them to contribute significantly to the development of the institution through financial and non-financial means.

In this context the Alumni of the college was formed into an Association and was named as

“Seazons Alumni Association” which was registered through **Registrar of Societies, Bangalore** as per ‘**Karnataka State Associations’ registration act 1960 on 02/09/2020**.

The college believes in the strong alumni network as the best source available for building relationships. The main aim of the Association is to maintain the link between college and Alumni and share their details of employment and achievements. It was also formed with a view to keep the silken threads of the attachments between the old students and the Institution. The Alumni are helping the final year students in their project work and also about the employment opportunities in their respective organizations in India and abroad.

The college celebrates Alumni day every year on 2nd Saturday of the month of October. It is an all-day meet creating an opportunity for alumni, current students and faculty to interact and bond. This day is celebrated with a mixture of cultural events and talks by alumni, students and faculty. Discussion on industry trends, opportunities and Institute development initiatives form the crux of the talk. It is also a day for alumni to relive their days at the college and share memories and experiences during their stay at the college and after their graduation.

The college also invites **Association members** to campus events like **Foundation Day, Convocation Day, and other cultural events** on Campus. **SEA College of Engineering and Technology** has shaped entrepreneurs, engineers, who collectively have a wealth of knowledge and experience. This Alumni Association brings all these outstanding people together on a single platform. This collective excellence is our contribution to the growing generation, the college and the society as a whole.

Various **NON-FINANCIAL ACTIVITIES conducted through this Association are as below:**

- To arrange and support in placement activities for the students
- To encourage the students of the college and members of the Association for research and development work in various fields like Engineering, Computers, Industrialization, etc.

- To conduct workshops, guest lectures, skill development programs and FDPs.
- To encourage and guide the students of the college on self-employment to become entrepreneurs.
- To Promote the industry-institute interaction to bridge the gap between industry requirements and education offered and enhance students’ employability

Alumni of the S.E.A.CET are contributing in the overall development of the students of college which would ensure better professional future for the students.

File Description	Document
Upload Additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

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

Response:

VISION

The vision of the college is to nurture skilled and value based professionals, who can contribute to the growth and development of the nation.

MISSION

To groom and transform the raw students into a highly skilled, knowledgeable, technically resourceful engineer with grace and character to take on the forth coming global challenges. The detailed objectives are as follows:

- To impart world class education in engineering and technology
- To impart knowledge to the students on the fundamental principles of Engineering Sciences.
- To provide in-depth knowledge of Technology and its applications to meet the requirement of the industry.
- To build ethically strong and socially responsible citizens.
- To conduct research in the relevant fields and to further advancement of learning and dissemination of knowledge.
- To impart up to date technical knowledge and skills and produce well-qualified engineers in areas of all branches of Engineering, who can make qualitative difference in their fields.
- To inculcate the skills required to play leadership role in the industry and society.
- To address social and cultural issues demanded of them in the modern society.

Nature of Governance:

The institution is recognized by AICTE, approved by Government of Karnataka and affiliated to Visvesvaraya Technological University. The system is effectively decentralized for a better governance and performance.

The Governance structure is as follows:

- SEA Education Trust
- Governing Council
- Principal

- HoDs
- Faculty
- Supporting Staff

For smooth functioning of college, the Principal and HoDs take follow up action and implement the decisions, keeping in view of the vision and mission of the college.

Level of Management in the Institution

Top-level Managers are responsible for controlling and overseeing the entire institution. It includes the Chairman, Governing council, Vice Principal and Principal. The Governing Council assists the Chairman with regard to broad guidelines, policies and framework for the improvement of quality of education in the institution.

Middle-level Managers include Heads of the Department (HOD), Placement Director, HR, Librarian and Physical Education Director. They help in the execution of the institutional plans.

Lower-Level Managers include faculty, non teaching staff and others**.** They help the middle level managers by coordinating the activities delegated to them.

The college promotes a culture of **participative management**. In all academic and non-academic activities, college is following participative management. The Institute follows committee system for implementation of all its decisions.

Following are the various committees constituted to help smoothen the administration.

- **Statutory Committees :**

1. Governing Council Committee

2. Anti-ragging Committee

3. SC & ST Committee

4. College Internal Compliant Committee

5. Grievance Redressal Committee

- **Non-statutory Committee**

1. OBC Committee

2. Women Empowerment Committee

3. Student Council

File Description	Document
Upload Additional information	View Document

6.2 Strategy Development and Deployment

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

Response:

The institute has a strong administrative service rules and regulations with **Perspective Plan** which includes getting permanent affiliation for all UG & PG programs by 2022-23, getting NAAC accreditation by 2022, strengthening the campus facility, improving the teaching-learning process, providing Personality development program for the students, strengthening Faculty Development Training, enhancing the output in promoting of research and consultancy, promoting the industry institute collaborations.

In this regard institute has constituted the following functional bodies to meet the planning and administrative requirements.

- **Governing Council**

The GC meets periodically and reviews the working of the college. Following the set-up and approval of policies by the Trust, GC, the Principal and HODs take follow up action and implement the decisions.

- **Academic Council**

Academic Council will conduct monthly departmental review meetings between management and HODs for discussing and finalizing best policies for implementation in the college.

- **IQAC**

In order to progress the academic development in the institute, IQAC is initiated to look after overall academic activities in the college.

- **IIC (Institution's Innovation Council)**

Following the suggestion of Ministry of Education (MOE) the college has established IIC for improving the skills of the students and faculty towards innovations, start-ups and Intellectual Property Rights development in the campus.

- **Placement Cell**

The placement cell runs the **Personality Development Program (PDP)** for the students. The PDP is being conducted for all the students; from the first year to 4th year. Every semester, professional trainers visit the campus to train students of all the departments, semester wise. Students are divided into batches and all the batches are trained in various personality development programs like teamwork, communication skills, vocabulary and attitude beside technical knowledge.

The institution has a **perspective plan**, where the following areas are considered as key indicators:

- To undertake academic expansion by way the introduction of new courses.
- To take necessary measures for getting permanent affiliation from VTU for the existing courses.
- To complete the NAAC Accreditation process by the end of the December 2022.
- To take up simultaneously the work relating to NBA Accreditation and complete the processes by June 2023.
- To strengthen the collaborative effort with industry for practical training and placements.

The following strategies are adopted by the institution to **monitor and evaluate the policies** of the Institution:

- Regular meetings of the Councils (Governing Council and IQAC).
- The feedback system (Regular feedback from Alumni Members, Staff and Students.)
- Periodical academic audit (once in a year).
- Regular visits by the Principal to the departments and interaction with heads of the departments.
- Head of the department monitors the system of each departmental activity regularly.
- Annual Evaluation by Management and Presentation by each HOD regarding activities.
- Regular meetings of Principal with HODs.

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

6.2.2 Implementation of e-governance in areas of operation

1. **Administration**
2. **Finance and Accounts**

3. **Student Admission and Support**
4. **Examination**

Response: A. All of the above

File Description	Document
Upload supporting document	View Document

6.3 Faculty Empowerment Strategies

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

Response:

The management recognizes the commitment and dedication of the teaching and non-teaching faculty. Some of the facilities provided for the welfare of the employees of the institution are:

1. Provident fund for all the employees who fall under the eligibility criteria.

2. ESI facility for the employees.

3. Fee concession is given to the children of the staff of the college.

4. Free transportation to all faculties.

5. Day care facilities for the teaching and non-teaching staff children.

6. A working lunch is given to all the drivers and Group D workers.

7. Free membership fee for utilizing the gym, indoor and outdoor stadium for the staff and students.

8. Subsidized facilities for stationery and Xerox center within the campus for both staff and student.

9. Compliments are given to the teaching staff and non-teaching staff during festival times.

10. Uniform is also being provided for instructors, drivers, attenders, and security staff.

11. Free quarters are given to the supporting staff from economically and socially weaker section of the Society.

The college has developed a Performance Appraisal System (PAS) to measure the performance of the faculty. All the faculty members are required to fill this proforma for self appraisal. The Appraisal report

is based on the Annual performance of the employee on the basis of their academic, research and other extra-curricular activities. The filled in proformae are reviewed by HODs, and Principal. The overall report is further reviewed by the Management.

Usually, this exercise is carried out once in a year. Based on this, the counseling is done to the faculty. It is also serving as the basis for extending financial and non-financial incentives to both teaching and non-teaching. It is also the basis for sanctioning higher increment to the staff.

A structured **"Self-Appraisal Form"** is made use of by each faculty member for this purpose, wherein he/she gives the details of his/her performance and participation in all the activities assigned to him/her by the department /college. The concerned HOD gives his/her remarks on the performance of the faculty member. The faculty performance appraisal system is evaluated in 6 categories namely, teaching learning, co-curricular activities, research activities, academic performance- evaluated from the feedback from students, expert review feedback and management feedback.

The faculty are recognized and awarded for academic performances, research proposals, consultancy, patents and publication during the Founder's Day function each year. In addition, the salary revisions periodically are based on the performances indicated by results, project guidance, peer reviewed publications, funded research, patents developed, recognition by professional bodies and contribution towards achieving institutional goals in case of non – teaching staff. The above methodology of merit rating has helped the institution to identify and reward meritorious employees by way of special increment and to positively motivate them.

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: 1.71

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

2021-22	2020-21	2019-20	2018-19	2017-18
02	03	00	00	00

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

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

Response: 24.92

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

2021-22	2020-21	2019-20	2018-19	2017-18
53	05	02	09	05

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

2021-22	2020-21	2019-20	2018-19	2017-18
4	0	0	1	0

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

6.4 Financial Management and Resource Mobilization

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

Response:

The availability of funds is essential for any organization, society, family or co – operatives the mobilization of fund is even more important. The major source of funding is internal resources and grants by Management. The Management and Principal monitor the use of resources received for the year. The allocated funds are utilized to purchase equipments, chemicals, organize seminars, workshops and conferences, etc. The administration and finance department and the Trust review the use of resources including audit, budgets, and accounts. Therefore, 20% of the income is invested in the purchase of books and apparatus, sports, youth festival, and some other programs. For the smooth running of the institution, professors and employers are appointed and 65% of the income is spent on their salary and up-gradation. 5% of the income is spent on sports, yoga, personality development, and other activities. 1% of the fund is provided for garden maintenance and 2 % for electricity, water, internet, website and telephone bills.

Approximately 1% of the fund is spent on maintenance of apparatus and purchase. In this way, 6% of the fund is kept for miscellaneous expenses and for certain emergency situations.

Sources of funds:

- Tuition Fee collections from the students.
- Funds from companies for using sports facilities.
- Fee collections for the other services rendered to the students like Bus fee etc.

The institute has a mechanism for internal and external audit. The college has its own internal audit mechanism where internal audit is an ongoing and continuous process in addition to the external auditors to verify and certify the entire income and expenditure and the capital expenditure of the institute each year. An external audit is also carried out on an elaborate way on statutory requirement basis. The institutional accounts are audited regularly by our statutory auditors. So far there have been no major objections reported. Minor errors of omission and commission when pointed out by the audit team are immediately corrected / rectified and precautionary steps are taken to avoid the recurrence of such errors in the future. The institute regularly follows accounting standards and financial audit system.

From the financial year 2021-22, most of the cash transactions are stopped, and E Payments are introduced. There is an Agreement between Punjab National Bank and SEAET to process online transactions through their payment gateway.

Institution conducts internal and external financial audits regularly. Audit will be conducted at the end of each financial year. The auditors will visit the college at regular intervals. They will verify all financial transaction with the supporting documents and approval of proper authority for each financial transaction.

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:

The institute’s teaching, learning, and assessment strategies are continually reviewed, ideas for improvement identified, and implemented. Some of these include:

1.For the effective teaching-learning, the process defined is as follows: Preparation of calendar of events

and activities, preparation of course file by individual faculty, preparation of course plan (course wise), weekly report of syllabus coverage, monitoring of monthly attendance

2. The seminars and workshops are conducted for the faculty

3. Examining students by conducting three internal tests.

4. Holding extra classes for course completion on time.

5. The arrangement of remedial classes, doubt clearing classes for slow learners

6. Establishment of a research cell in order to encourage research activities

7. Digitalization of library

8. Increased usage of ICT tools in the teaching-learning process.

9. The suggestion/complaint box is placed in every department.

10. The staff council meeting is held at the beginning of the session to discuss the plan for the session.

11. Outcome-based learning. The institute's prime focus is on high academic performance, through outcome-based learning and evaluation process. Greater importance for continuous assessment, creatively implemented as per the needs of each course (with the appropriate combination of assignments, projects, in-class discussions, presentations, the creation of models and videos, etc.)

12. Learning is made student-centric through a series of lectures, seminars, presentations, and industrial visits.

13. The quality of teaching is monitored through feedback which is obtained from the students to assure quality in teaching and learning process.

14.Detailed course plan in line with the prescribed syllabus for every theory course and a separate lab cycle for lab courses ensures smooth conduct of classes.

15. Teacher's study materials [soft copy-PowerPoint/PDF presentation, Simulation & animation] are shared with students.

16. Prizes are given for the best project.

As a result of the above initiatives, improvements have occurred in the following areas:

- ISO certification was completed.
- Quality policy formulated and circulated to all the departments, faculty and students and displaced at all the important places in the college.
- Green Auding, Energy Audit and Environment Audit was completed and certification obtained.
- NAAC process was completed and the college is ready to upload SSR.
- College is also made ready to go for NBA Accreditation.

File Description	Document
Upload Additional information	View Document

6.5.2 Quality assurance initiatives of the institution include:

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

Response: A. All of the above

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

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

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

Response:

S.E.A CET is taking specific initiatives to facilitate gender equity and their development and empowerment. The following committees are constituted towards this end.

1. Women Empowerment Cell:

- To promote general well-being of female students, teaching and non-teaching women staff of SEACET.
- To promote a culture of respect and equality for female gender.

2. Internal Compliance committee:

- To address issues regarding the safety and security of girl students and female staff in the campus.
- The committee members are vigilant all the time and ensure that there is no such incident takingplace in campus by creating awareness and having an open dialogue with all the students and female staff.

3. Anti-Ragging Committee:

- As per the guidelines of AICTE, this committee works to preventi and prohibit ragging in the institution.

4. Anti-Sexual Harassment Committee:

SEACET, Bangalore, shall value the dignity of every individual, enhance the development of its human resources, guarantee full respect for human rights, ensures the full enforcement of “Fundamental Rights” under articles 14, 15. 19(1) (g) and 21 of the Constitution of India, and uphold the dignity of workers, employees, applicants for employment, students or those undergoing training, instruction or education.

Safety and Security

In order to maintain safety and security of the girl students and woman faculty, a committee has been constituted to redress the grievances. Our Internal Complaints committee stays alert all the time to prevent any sexual abuse towards students and female workers. It also focuses on preventing harassment by using secret monitoring services, which keep a keen eye on the entire campus.

b) Counseling Center

The major objective of the counseling center is to facilitate Academic, Emotional, Social and cognitive

development of the students. Other than students, parents and teachers are also getting the benefits from the counselor in order to pave a path to the students inside the campus and in their homes.

c) Common Room:

College has provided for a common room to the girl students, where they can relax/refresh and interact with fellow students.

d) Day care Centre for young children:

College has the facility of day care Centre, also called day nursery. The Centre takes care of infants and young children during the day time, so that their parents can hold jobs.

Celebrations Organized by the S.E.ACET

1. Engineers Day is celebrated annually on 15th September every year as a tribute to greatest Indian Engineer Sir. M Visvesvaraya.
2. Gandhi Jayanti is celebrated every year on October 2nd .
3. Independence Day is celebrated on 15 August, as a national festival.
4. Republic Day is celebrated on January 26th.
5. Teachers Day is celebrated annually on September 5th.
6. Environment Day is celebrated annually on 5thJune .
7. International women's day is celebrated on March 8th every year .
8. Education day is celebrated on November 11th.
9. Constitution day is celebrated on November 26th.

File Description	Document
Upload Additional information	View Document

7.1.2 The Institution has facilities and initiatives for

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

Response: A. 4 or All of the above

File Description	Document
Upload supporting document	View Document

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

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

Response: C. Any 2 of the above

File Description	Document
Upload supporting document	View Document

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

Response:

Institute is a collective hub of diversities considering the linguistic, regional, communal and socioeconomic background of staff, students and society who form SEACET's integral constituents. Various activities organized in the campus celebrates the harmony of this collective inclusiveness. Students here come from a large and increasing number of racially, ethnically, culturally, and linguistically diverse families. The focal objective of the institute is to transform the students into productive citizens through interactive and experiential learning process. Keeping in mind the potential impact of the future professionals on socio-economic growth through creation of employments, the institute chalked out some innovative practices to expose the students to different culture,

Festivals: It is a regular practice in the campus to celebrate festivals. Students organize, make teams and plan some events and celebrate joyfully and enthusiastically.

Temple: Left to the entrance of the Institute is a temple where students, faculties, other members can pray and worship.

Kannada Rajostav: Every year on November 1st, the Student Council team organizes celebration of Rajotsav on a grand scale. The celebration starts with flag hoisting, followed by some cultural programs, speech. They also organize lunch for the all students and faculties.

Canteen: College has two canteens in the premises offering snacks, meals, juices and other refreshment items for students and staff. The items are offered at a very reasonable price. Both the canteens are clean, neat and maintained hygienically.

Bank Facility: Institute has a branch of Punjab National Bank with 24/7 ATM facility. Students and staff can do all the financial transaction within the campus

Sensitization of students and employees to the constitutional obligations: values, rights, duties and

responsibilities of citizens

The institute takes initiatives in organizing various events and programs for moulding the students and staff to become responsible citizens by sensitizing them to the constitutional obligations: values, rights, duties and responsibilities of the citizens. The college organizes awareness programmes on voter rights, voting procedure etc.

Every year college celebrates Independence Day on August 15 to highlight struggle of freedom and role of freedom fighters. Republic Day is celebrated on January 26 by organizing activities highlighting the importance of Indian Constitution. Also the university VTU has introduced a compulsory paper on the Constitution of India at Degree level across all engineering disciplines to create awareness and sensitization the students and employees towards constitutional obligations. The institute also organized a workshop on Intellectual Property Rights on December 17.2019 to make people identify the role, relevance of IP in this era of globalization and for the growth of the nation. Ms. Harshitha Suresh.LLB, LLM threw light on how creativity and innovation can flourish our technology and nation. The NSS wing conducted different literary programs for the students on World Environment Day on June 5th 2020.

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

Title of the Practice: Centralized Internal Assessment Cell

Objective: The main purpose of introducing Centralized Internal Assessment Cell in SEACET is to bring transparency in the periodic evaluation of teaching learning process. The Centralized Internal Assessment Cell assesses the performance of students over a well-distributed interval of time within the semester and to make the examination an internal and integral part of the teaching process.

The Context: Internal Assessment is a continuous, periodic and internal, in which assessment is done in relation to certain abilities and skills of the students periodically and continuously. Internal assessment tests will be conducted by college as per University schedule, while end examinations are conducted by the University. Internal assessment is to be assessed by the faculty of the particular course and no external teacher or instructor involved in this. The Cell follows a well defined and Transparent methodology to evaluate the robustness of internal assessments meant for eradicating the problems relating to examination system. A good internal evaluation system allows teachers of various courses to evaluate the performance

of their students in accordance with the objectives they had set before themselves.

The Practice: Institute is affiliated to VTU, Belagavi, the rules and regulations for evaluation process are laid down by the affiliating University and are communicated to students through syllabus copies supplied in the beginning of first year of their academic program.

SEACET Centralized Internal Assessment Section is headed by the Principal and assist by Exam

Section Co-coordinator. An internal assessment test committee is established in the campus with Principal as the head and representatives from all the departments as IA coordinates. IA Committee Meetings are conducted on regular basis.

The SEACET Exam Cell is well established in terms of infrastructure, computing, printing and intercom facilities. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar. The internal assessment evaluation process is communicated to students by the respective faculty and also during orientation program for first year students. There is a Blue Book system to record IA Test.

Syllabus for internal assessment will be communicated to students well in advance. Question papers are set based on Course outcomes and are approved by heads of the department. Scheme and Solution are prepared by the faculty and are displayed on the notice board on completion of the assessment. Evaluation of blue books is based on scheme and solution by the faculty and internal assessment marks are displayed on the notice board. The blue books are given to students after the completion of evaluation for verification of the marks. Any grievances in evaluation will be handled by faculty and Head of the department if necessary.

Evidence of Success: The success rate in the final university exam has been improved after the implementation of the centralized internal assessment cell. Consistent pass percentage (> 75%) as is witnessed. All internal exams related works are done inside the confidential room like Generation & Photocopying of exam Question papers, storing all unused answer scripts and dispatching of Written Answer scripts from the concerned class rooms to the Centralized Exam Cell. Transparency in exam and there is no chance of malpractice or injustice, since the question paper is reaching the respective exam hall just like the VTU exam. The institution follows a very clear, well planned calendar which schedules the examination. The faculty members are completing the valuation within a stipulated time so and the same is informed to parents and they can attend the regular Parent Teacher Meeting. The students with less marks in the respective subjects are identified by the class in charges and remedial /tutorial classes are given on that basis. This system is producing a good quality students that are confident in facing Univeristy exams..

Problems Encountered: Nil.

Resources Required: A body of dedicated faculties, IA Coordinators and supporting staffs. Supply of Exam Materials and Printouts to cater to the needs of all students.

Future plans: Mapping of IA Performance linking it with the End Exam Performance and Track down the

progress for each student.

Best Practice- 2

1 . **Title of the Practice:** SEACET Institution Innovation Council.

2. . **Objectives:**

· To provide place for innovative ideas

· To provide startup opportunities for Students

· To provide necessary awareness and motivational programs towards IPR.

· To support students and faculty innovations for society development.

3. The Context

Keeping in view the Vision and Mission the College has Setup Institution's Innovation council (IIC) for developing students and staff research and innovations by conducting conferences, workshops, FDPs and Interactive sessions. This is proposed and encouraged by AICTE and MHRD. With this practice, the college is able to empower the young minds towards innovations, start-ups, and patents. Hence, the students and faculty are always encouraged to embrace every opportunity, immerse themselves may design a Carrier based on this experience.

4. The Practice:

According to the vision of Ministry of Education (MOE), Innovation Cell we established yet S.E.A. College of Engineering and Technology. This practice is coupled with expert sessions, seminars, conferences, motivational talks, live field visits and project exhibitions. Suitable Environment is created to take up projects for testing and developement. Allowing students also to carryout their personnal Research projects through this council. Every support is extended to them by way of supply of materials, equipment, stationary, etc,.

5. Evidence of Success

After incorporating the IIC in the institute, the College was awarded with certificate of establishment from Institution Innovation Council (IIC) as per the norms of Innovation Cell, Ministry of Education, Govt. of India. During the journey of activities, we awarded best student innovative projects after organizing yearly intra college student projects exhibition.

6. Problems Encountered and Resources Required

The major problem faced in this regard is the support from industry. Also, there is a Problem in getting financial assistance from the government bodies and corporates to improve student innovations and ideas.

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

7.3 Institutional Distinctiveness

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

Response:

Area; Implementation of Outcome Based Education [OBE]

The college has started implimentating OBE system from the Academic year 2018-19. The objective is to improve the graduate atributes through restarting of curriculum, assesment and reporting practices. As a part of implementation, the college has clearly defined the Programme Outcomes[POs], Programme Specific Objectives[PSOs] and Course Objectives. Programme specific outcomes (PSOs) and course objectives. While doing so, the college has taken into consideration the guidelines issued by the VTU and AICTE.

It is known that faculty and students are control to the implementation of OBE. As such, faculty are trained on the new system of education and how they are required to ornet themselved new assessment procedures, feedback mechanism and inforporating corrective. action. The educational objectives under this new model are mapped properly and communicated to the faculty. OBE being a transparent mechanism, studetns are geared upto understand the process and involve themselves at every stage. In particular, the following are the outcomes exptexged from students.

- Students are expected to be able to do more challenging tasks rather than memorize and reproduce what was taught.

- Students should be able to: write project proposals, complete projects, analyze case studies, give case presentations, show their abilities to think, question, research, and make decisions based on the findings.

- Be more creative, able to analyze and synthesize information.

- Able to plan and organize tasks, able to work in a team as a community or in entrepreneurial service teams to propose solutions to problems and market their solutions.

At the aggregate level, the expected outcomes, changes in the assessment, evaluation and perporated improvmeetns canbe comprehended through a flow char. the framework begins with the vision and mission of the institution and the same are translated into POs, PSOs and COs. Based on this, the course planning and delivery is carried out. At the next level, suitable assessment framework is designed and implemented.

In terms of Graduate Attributes, the OBE framework is helpful in integrating not only generics, but also the specifies which would include the following:

GAs

1. Engineering Knowledge,

2. Problem Analysis

3. Design/development of solutions

4. Conduct investigations of complex Problems

5. Modern tool usage

6. The engineer and society

7. Environment and sustainability

8. Ethics

9. Individual and team work

10. Communication

11. Project management and finance

12. Life-long learning

The college has also figured out the attainment of course outcomes by assigning maximum score of 10 points. The points secured for byeach faculty were computed and the results communicated to them for further improvement. This excercise has been carried out for each branch of engineering for Internal Tests(IAs) and University Examinations (UE). The relevant documents is furnished as link in the website of the college.

File Description	Document
Appropriate web in the Institutional website	View Document
Any other relevant information	View Document

5. CONCLUSION

Additional Information :

NIL

Concluding Remarks :

The S.E.A College of engineering and technology is an institution founded and run by the South East Asian Education Trust. The Trust is a non Profit organization and it is the brainchild of the great visionary, Sri A. Krishnappa, an acclaimed leader in public life. Starting off as a small institution the college could make a mark in engineering education in the state of Karnataka and the country. It has now grown to the level of offering UG, PG, and Research Courses. The College is located in a serene Eco-friendly environment extending quality education. The College is always vibrant with diverse number of Programs, being organized from time to time. The faculties are qualified and committed. Given the framework of rules and regulations of the University and AICTE, the college is functioning to the best of its ability. It is the fond wish of the management that after the completion of NAAC process desire to opt for Autonomy and later to seek recognition as "Private University" from the Govt. of Karnataka.

6.ANNEXURE

1.Metrics Level Deviations

<table>
<tr><th>Metric ID</th><th>Sub Questions and Answers before and after DVV Verification</th></tr>
<tr><td>1.2.1</td><td>Number of Add on /Certificate/Value added programs offered during the last five years

Answer before DVV Verification :
Answer After DVV Verification :6
Remark : After removing multiple counting, DVV input is recommended.</td></tr>
<tr><td>2.1.1</td><td>Enrolment percentage

2.1.1.1. Number of students admitted year wise during last five years
Answer before DVV Verification:
<table>
<tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr>
<tr><td>401</td><td>137</td><td>248</td><td>201</td><td>269</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr>
<tr><td>376</td><td>126</td><td>230</td><td>178</td><td>243</td></tr>
</table>
2.1.1.2. Number of sanctioned seats year wise during last five years
Answer before DVV Verification:
<table>
<tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr>
<tr><td>567</td><td>627</td><td>666</td><td>744</td><td>744</td></tr>
</table>
Answer After DVV Verification :
<table>
<tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr>
<tr><td>567</td><td>627</td><td>666</td><td>744</td><td>744</td></tr>
</table>
Remark : As per the clarification received from HEI and removing PHD admissions DVV input is recommended.</td></tr>
<tr><td>3.2.2</td><td>Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years

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
Answer before DVV Verification:
<table>
<tr><td>2021-22</td><td>2020-21</td><td>2019-20</td><td>2018-19</td><td>2017-18</td></tr>
<tr><td>5</td><td>1</td><td>2</td><td>3</td><td>3</td></tr>
</table></td></tr>
</table>

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
2	1	2	3	3

3.3.1

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
8	14	11	6	21

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
14	13	7	14	8

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

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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
13	07	05	05	03

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
06	01	3	1	00

Remark : As per the clarification received DVV input is recommended.

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.

Answer before DVV Verification : 16
Answer After DVV Verification :9

4.1.2

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
47	6	6	16	6

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
46.80	5.97	4.47	16.24	5.81

4.4.1

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

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)**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
241	230	271	346	359

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
155.46	140.04	156.57	228.99	219.06

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

5.1.1

Percentage of students benefited by scholarships and freeships provided by the Government and Non-Government agencies during last five years

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
295	249	340	443	547

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
295	249	359	443	547

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

5.1.2

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

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

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: B. 3 of the above
Remark : As per the clarification received opt 1,2 & 4 are considered.

5.1.3

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

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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
168	250	210	151	211

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
83	52	99	79	49

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

5.1.4

The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

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

Answer before DVV Verification : A. All of the above
Answer After DVV Verification: B. Any 3 of the above
Remark : As per the clarification received opt 1,3 & 4 are considered.

5.2.1

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
83	61	66	93	55

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
85	55	99	83	51

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
180	236	294	266	314

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
180	236	294	266	314

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
02	04	00	05	02

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
02	03	00	04	02

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
13	10	00	17	12

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
13	10	00	17	12

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

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

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***

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
00	01	01	04	01

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
00	01	01	04	00

5.3.2

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	9	12	17

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	0	3	4	1

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

6.3.3

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
88	4	2	5	4

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
53	05	02	09	05

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
4	0	0	1	0

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
4	0	0	1	0

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

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**

Answer before DVV Verification : B. Any 3 of the above

Answer After DVV Verification: C. Any 2 of the above

Remark : AS per the revised data and supporting documents received from HEI, based on that DVV input is recommended.

2.Extended Profile Deviations

ID	Extended Questions
1.1	**Number of teaching staff / full time teachers during the last five years (Without repeat count):**

Answer before DVV Verification : 119
Answer after DVV Verification : 88

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
416	343	319	409	451

Answer After DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
415.98	339.66	318.56	408.95	450.55