



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**ADSUL'S TECHNICAL CAMPUS**

**AT CHAS, CHAS NIMBLAK BYPASS ROAD, TALUKA- NAGAR DISTRICT-  
AHMEDNAGAR PIN CODE- 414005**

**414005**

**[www.adsultechnicalcampus.com](http://www.adsultechnicalcampus.com)**

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**February 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Adsul's Technical Campus (ATC), Chas, Ahmednagar is established in 2011, by Sakeshwar Gramin Vikas Seva Sanstha which is established in 2004. In the last 11 years, the Institute has grown horizontally and vertically. The Institute offers both UG and PG Programs affiliated to Savitribai Phule Pune University, Pune in the major engineering branches Like Mechanical, Computer, Electronics & Telecommunication, Electrical, Civil, and MBA. The major landmark in the development of the Institute is ISO 9001:2015 Certification. The objective of the Institute is to produce good entrepreneurs and quality engineers with competence and character, to become extraordinary in the present technological scenario of globalization, who will contribute to the techno and socioeconomic development of the country. For this the Institute has introduced various value-add and Training Programs conducted by industry experts. Active MOUs have been signed to provide internships in industries. Institute also focuses on the multi-dimensional development of students by encouraging them to participate in co-curricular and extra-curricular activities at the local and global levels. The Institute is working hard to bring various MNCs for campus placements with better salary packages. Institute has an excellent academic environment and hands-on training programs for nurturing good quality technical education among budding engineers. This resulted in more placements and Institute is keen to enhance it further. Institute is quite self-assured in nurturing all the students as young, bright, dynamic, talented, and professional technocrats along with responsible gentle citizens.

### Vision

To be a most preferred **Rural Technical Campus** in the region by creating competent multifaceted Engineers and Professionals ready to serve the industry and society at large.

### Mission

To establish state-of-the-art facilities and create a conducive environment for transforming the rural minds into competent, skilled, professional, researchers, technically sound, innovative aptitude, and ethics through value-based education to develop the nation for global competitiveness.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

1. Visionary & supportive management,
2. Lush green campus of 7.5 acres with a pleasant & pollution free environment,
3. Modern infrastructure with state-of-the-art laboratory, ICT enabled classroom, sports facilities, gymnasium, etc. that meet the requirements of regulatory authorities,

4. ISO certified 9001:2015,
5. With UG additional PG program in management,
6. Strong mechanism to solve the problems of stakeholders with a mentor-mentee system,
7. Good blend of Senior and Junior faculty,
8. Campus placements improved remarkably from last year,
9. Institute motivates the faculty for qualification up-gradation,
10. Regular salaries of all teaching & non-teaching staff even during pandemic periods salaries were reimbursed,
11. Active Social Service unit that contributes values to society,
13. Conduction of co-curricular & extracurricular activities along with academics,
14. Active MoUs with various industries,
15. Efforts have been taken to bridge the gap between Industry and Institute through guest lectures, seminars, webinars, and workshops by Industry experts and through well-planned field/industrial visits.

### **Institutional Weakness**

1. As the college is in a rural area, students are shy and weak in soft skills.
2. Percentage of educated parents is less.
3. Adherence to the curriculum given by affiliating University creates a gap in industry expectations,
4. Consultancy work needs improvement,
5. Funded research projects have not been undertaken by faculty,
6. Research components amongst students needs improvement.

### **Institutional Opportunity**

1. Opportunities are present to solve the problems of farmers with application-based technology,
2. Consultancy & research activities can be extended with MNCs & industry with intercommunicating, teleworking & free-lance,
3. Placement to core industries can be improved with the help of a strong alumni network,

4. Govt. initiatives like Make in India, Digital India, and Smart cities can be used to enhance entrepreneurship & job opportunities.

### **Institutional Challenge**

1. Meritorious student's admissions,
2. Inculcating R&D activities among faculty and students,
3. Placement of all branches with higher packages,
4. Examination oriented learning approach needs to be changed,
5. Improvement of soft and hard skills of students to fulfill Industry needs.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

ATC is affiliated to Savitribai Phule Pune University(SPPU). Curriculum and academic calendar are designed and published by SPPU which are adopted by ATC and the systematic procedures are followed for the development, revision, and implementation of the curriculum of the various existing courses in the department. The proposed curriculum is discussed in the curriculum development workshop and is put forth to the Board of Studies where the experts from industry, academia, alumni, and senior faculty members. The curriculum is then placed for approval in the Academic Council of the University. Thus, the curriculum is finally approved by above mentioned statutory bodies and implemented in the departments. The primary objective of the departments is to prepare students to excel in higher studies and/or to succeed in their profession. However, the skills learned through training programs, field visits, practical, research, and industrial visits, etc., enhance the professional capabilities and orientation of the students at large. Before the end of the term, each faculty member submits subject preferences to the HoDs. Likewise, the electives are floated to the students to decide their choice to finalize and plan for the electives. As ATC follows the examination pattern designed by SPPU, students are assessed on all possible platforms, and the internal marks are given as per their performance in the internal test, assignments, mock oral, mock practical, mock demo of a project, and their participation and achievements in each event to ensure justice with all students. To integrate and promote the cross-cutting issues relevant to gender, environment and sustainability, human values, and professional ethics, each department has formulated different types of courses and included them in the curriculum, to enhance professional competencies and inculcate gender, social and human values, and environmental sensitivity, etc., thereby leading to the holistic development of students. Project fieldwork and add-on/certificate programs are offered to students for the development and enhancement of skills other than academics. Feedback from students is taken during each semester regarding academic, and overall improvements. Stakeholder feedback, parents' feedback, and alumni feedback is taken regarding the growth of the Institute.

### **Teaching-learning and Evaluation**

Adsul's Technical Campus (ATC) takes initiative to assess the learning ability and level of the students through mock orals, prerequisite tests, and performance in various examinations conducted in Institute. Based on this evaluation, special activities are undertaken as per need. The faculty provides students a platform to explore independently, and learn through experiential, participative, individual, and from their peers, also guides them to develop effective and lifelong skills through industrial visits and Social Service Activities. Provisions of ICT Tools like LMS and additional library facilities with digitization are made available to students. Utilization of resources like Virtual laboratories, NPTEL, YouTube, PPTs, CDs, E-Journal, E-Books, etc., to enhance the effectiveness of the teaching-learning process. Innovative teaching approaches such as proactive methods, digital social learning platforms, etc., are adopted by faculty members. Institute takes a due care to provide required training and resources to the faculty members for implementing such innovative practices through seminars, STTPs, FDPs, workshops, etc. Institute is committed to provide quality education to students and has well-qualified, competent, dedicated, and experienced teachers. Institute closely follows all the examination reforms and the timeline scheduled by SPPU. The evaluation process is transparent and efficient and is well known to students in advance. Various innovative, formative, and summative assessment tools aiming at the multidimensional development of students are implemented regularly. Well-defined committees are formed for addressing grievances. Mentor-mentee system is well-defined to resolve students' grievances and other issues.

Overall performance and skills acquired are considered for measuring the effectiveness of teaching-learning process outcomes. The evaluations and stakeholders' feedback are analyzed and reviewed for further planning and overcoming experienced barriers in learning.

### **Research, Innovations and Extension**

Research is encouraged on both part-time and full-time basis leading to Ph.D. courses. A few of the teachers are recognized as guides by other universities. Teachers are actively engaged and participating in the conduction of seminars, and workshops under QIP programs organized by SPPU, Pune. The institute has a good infrastructure for research activity with all departments having the required equipment and software suitable for carrying out research work. ATC has the plan to conduct National level, State level conferences for the benefit and promotion of the research atmosphere encouraging faculties and students to involve in article presentations/publications and establishing collaboration for research activity. The institution has created a platform to have active interaction between the faculties, students, and eminent researchers/entrepreneurs through guest lectures. Faculty members of our institute have published textbooks and research articles in renowned journals & publications. A number of papers have been published by the faculty members of ATC in reviewed journals over the last five years. Social Service Club (SSC) students along with the support of faculty members of ATC carry out extension activities. A few of the programs include Blood Donation camp, Voting awareness program, Covid-19 Awareness Program, Tree plantation program, etc. Several collaborations are made with industries, training institutions, and research institutions for purpose of research collaboration and training students in ATC. A number of MoUs have been signed by Institute with different industries and training institutions in the last five years.

### **Infrastructure and Learning Resources**

ATC has been developed and equipped with adequate physical infrastructure and learning resources during the last 11 years. The entire campus is spread over 7.5 acres of land. The physical facility comprises of 22 classrooms, 42 laboratories, 2 seminar halls, and 7 tutorial rooms following the AICTE norms. Training & Placement Cell is established with ample space, a Cafeteria, Generator room, UPS Room, etc. along with

adequate areas for indoor and outdoor sports activities. Also, ATC has an amphitheater with adequate areas for the celebration of cultural activities. Ramps are being provided for physically challenged students. The central library is computerized by automating the issue of books with a barcode reader. The library has 3,200 titles and 21,050 volumes covering all major fields of Science and Engineering. The library has a sufficient stack area with a reading room and ample study space. The library is partially automated using an e-library Management System implemented in the year 2017. Whereas services like Home Lending of Books, Reference Services, Reprography, Download, Printing, User Orientation and Awareness, Question Papers, and Reading Hall, etc. are available in the library. IT infrastructure development is done at regular intervals as it is a continuous process. ATC has regularly updated the internet connection every year and as of now, the available internet bandwidth is 80 Mbps. As of now, the institute has 425 computers with a student-computer ratio of 3:1. ICT-enabled facilities have been provided in classrooms and seminar halls for effective teaching and learning. Maintenance of the physical and academic facilities is being done as per the policy framework. Landscaping, small-scale electrical, and civil maintenance are carried out by the maintenance department at the college level. Large-scale maintenance activity is outsourced to a local skilled agency. An external agency is appointed for housekeeping and security. Maintenance of laboratories is done by following standard policy, procedure by the respective department.

### **Student Support and Progression**

Students are the primary stakeholders of ATC, and the institution is taking evolving measures like student empowerment, inclusive practices, and skill development which are student-supportive and student-centric. ATC has an effective system of informing students of various schemes of scholarships and freeships. The average percentage of students who benefitted from government scholarships is 93.28%. ATC has a scheme named Sanstha Scholarship for meritorious students. The average percentage of students who benefitted from the Sanstha scholarship is 7.1%. ATC has various committees such as the student grievance committee, and anti-ragging committee to address student grievances. The teaching-learning process is enhanced by various activities such as guest/expert lectures, industrial visits, workshops, and seminars to provide exposure to real-life practical aspects to students. Students are made aware of various opportunities after graduation such as GATE, MPSC, and UPSC, etc. Various training sessions are conducted for career guidance and entrepreneurship development. For the growth of all stakeholders, the institute is working with qualified faculty members on a plan to have 80% placement, 15% students motivated for higher education, competitive & civil service examinations, and the remaining 5% as an entrepreneur. This resulted in more placement and the Institute is keen to argue it further. ATC is quite self-assured in nurturing all students as young bright, dynamic, talented, and professional technocrats along with responsible gentle citizens. Training and Placement Cell plays a vital role in conducting expert lectures, and training sessions for students. ATC organizes various co-curricular and extracurricular activities in cultural and sports events like “SYNERGY” which eventually help the students to showcase their talent. The alumni of ATC have been actively involved in various events of the college either as resource persons, judges, or facilitators for extra-curricular activities.

### **Governance, Leadership and Management**

ATC is continuously working for the all-round development of the students as per the guidelines of regularity authorities. ATC is in pursuit to achieve the stated vision statement by striving hard to meet the mission statement. ATC satisfies the need of society by providing value-based universal education of engineering and technology for creating multifaceted engineers. The governance comprising of GB, CDC, Principal, Deans, and HoDs plays a significant role in the evolutionary reforms towards positioning ATC as one of the best institutes

in the region. ATC believes in promoting a culture of delegation of powers through strategic policies. The Principal is assisted by Deans, HoDs, Administrative heads, Section in-charges, and coordinators of various cells in the decision-making process at ATC. IQAC has a well-developed process to ensure quality benchmarks and has framed the quality policy for academic and administrative activities. ATC has a perspective plan developed by the principal, Deans, and HoDs with suggestions of IQAC under the guidance of GB. Deployment of the quality policy is done by providing excellent academic infrastructure, a beneficial learning environment, and harmonious work culture. Student surveys and feedback from all the stakeholders play a vital role in framing policies. The faculty is the backbone of the institute. ATC recognizes the importance of the dedicated faculty for realizing its vision. ATC has an HR policy for recruitment of competent faculty. Faculty are encouraged to qualification enhancement and carry out consultancy activities. Performance appraisal of faculty is done annually. Fair representation of women is ensured at all levels of organization and their safety and security are given the top priority. All planning and activities related to financial matters are managed by central account section of the parent society. Based on requirement of various HoDs, accounts section prepares the budget and makes provisions for all academic and administrative activities. After approval of GB, budget is allocated to respective sections/departments. Reserve and corpus fund is maintained as fixed deposit by ATC. In case of a deficit of financial resources parent society supports. Management has appointed financial consultants and auditors for statutory auditing and monitoring of financial transactions.

### **Institutional Values and Best Practices**

ATC is committed to respecting equality and diversity in everyone for age, gender, race, cultural background, learning level, experience, skills, beliefs, and sexual orientation. ATC's Grievance committee and feedback system always cater to any such issues on a priority basis and take necessary actions whenever required. To promote gender equality, ATC provides equal opportunity to male, and female staff and students in administration, teaching, co-curricular, extracurricular, and sports activities and deposes them to various courses, programs, higher studies, committees, placements, etc. ATC organizes various programs under the Social Service Club (SSC), and Student Development Cell (SDC) to sensitize students about gender equity. ATC has also taken efforts for providing an inclusive environment to enhance harmony towards cultural, regional, linguistic, communal, social, economic, and other diversities. ATC has taken initiative to sensitize and inculcate values, rights, duties, and responsibilities of citizens through activities mainly organized by Social Service Club (SSC) and Student Development Club(SDC). ATC has a friendly campus for differently abled students with facilities like ramps for direct access to all classrooms and labs. To save energy, ATC has facilities such as solar energy, the use of LED bulbs, etc. Water conservation facilities available in ATC include rainwater harvesting, bore-well recharge, and the construction of tanks. Our sprawling green campus has adopted environment-friendly policies regarding plantation, solid, liquid/hazardous chemicals, e-waste management, use of renewable energy sources, and restricted use of plastic, pedestrian-friendly ways. ATC carries green audits and energy audits regularly. ATC has introduced many innovations in the teaching-learning process which has created a positive impact on enhancing students' learning ability. The best practices include Digital Content development as Advancement to the Teaching-Learning process and Comprehensive Student Monitoring System. These practices ensure continuous improvement in the performance of students to make them fly with seven colors.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ADSUL'S TECHNICAL CAMPUS
Address	AT CHAS, CHAS NIMBLAK BYPASS ROAD, TALUKA- NAGAR DISTRICT- AHMEDNAGAR PIN CODE- 414005
City	AHMEDNAGAR
State	Maharashtra
Pin	414005
Website	<a href="http://www.adsulstechnicalcampus.com">www.adsulstechnicalcampus.com</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Pradeep M. Patil	0241-2570425	9850285558	0241-2570426	adsulstechnicalcampus@gmail.com
IQAC / CIQA coordinator	Dineshkumar U. Adokar	0241-2570427	9890239789	0241-2570426	098principal@gmail.com

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	



State	University name	Document
Maharashtra	Savitribai Phule Pune University	<a href="#">View Document</a>

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

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)				
Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	<a href="#">View Document</a>	02-06-2022	12	

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

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	AT CHAS, CHAS NIMBLAK BYPASS ROAD, TALUKA- NAGAR DISTRICT- AHMEDNAGAR PIN CODE- 414005	Rural	7.5	18279.4

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Electrical Engineering	48	HSC	English	60	28
UG	BE,Electronics And Telecommunication Engineering	48	HSC	English	60	55
UG	BE,Computer Engineering	48	HSC	English	60	58
UG	BE,Mechanical Engineering	48	HSC	English	60	35
UG	BE,Civil Engineering	48	HSC	English	60	31
PG	MBA,M B A	24	GRADUATION	English	120	120

### **Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	9				21				57			
Recruited	0	0	0	0	0	0	0	0	10	6	0	16
Yet to Recruit	9				21				41			
Sanctioned by the Management/Society or Other Authorized Bodies	3				8				56			
Recruited	3	0	0	3	7	1	0	8	38	18	0	56
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>						
	<b>Male</b>		<b>Female</b>		<b>Others</b>	<b>Total</b>
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						31
Recruited	18		13		0	31
Yet to Recruit						0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				17
Recruited	11	6	0	17
Yet to Recruit				0

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	6	1	0	0	0	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	1	0	0	48	24	0	73
UG	0	0	0	0	0	0	0	0	0	0

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

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0
UG	0	0	0	0	0	0	0	0	0	0

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	860	0	0	0	860
	Female	270	0	0	0	270
	Others	0	0	0	0	0
PG	Male	207	0	0	0	207
	Female	50	0	0	0	50
	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	33	44	18	10	
	Female	7	6	7	6	
	Others	0	0	0	0	
ST	Male	0	2	0	0	
	Female	0	0	0	0	
	Others	0	0	0	0	
OBC	Male	40	31	25	13	
	Female	4	0	2	3	
	Others	0	0	0	0	
General	Male	63	86	49	45	
	Female	8	9	7	10	
	Others	0	0	0	0	
Others	Male	71	79	29	14	
	Female	10	6	5	2	
	Others	0	0	0	0	
Total		236	263	142	103	

### Institutional preparedness for NEP

1. Multidisciplinary/interdisciplinary:	In order to provide the holistic academic growth among students, an Inter-disciplinary curriculum has been proposed which gives freedom for the student to choose their preferred options from the range of the program offered by the institution. Due to high availability of infrastructure and staff, proposed the interdisciplinary curriculum is not an obstacle and thus creates no hurdles in implementing this freedom to students. This institution has already proposed and started creating enough infrastructure to allow such facilities. The setting of Multi-Disciplinary Education and a Research system is the need to start up incubation center, technological development center, industry-academia linkages are the real analysis to attain quality education. The Institute has already started Entrepreneurship Development Cell to improve entrepreneurship skills among students.
2. Academic bank of credits (ABC):	The institution's preparedness in the implementation of Academic Bank of Credits depends upon the guidelines of the affiliated university and Higher Education Department, SPPU. For this purpose, a centralized database along with the database of the college is to be established to digitally store the academic credits earned by the student from various courses so that the credit earned by the student previously could be forwarded when the student enters into the program again. For monitoring ABC, we are preparing a proper technical support system.
3. Skill development:	The Institution is already conducting the skill courses as designed by affiliating university SPPU from Semesters 3 to 8 in various programs. Also, under the employability of students in skill courses, the college has already been running courses such as Soft Skill & Personality Development, Full stack development program. Proper synergy is the need between skill development and industry and vocational education with mainstream education with earned credits in phased manner. For this, proper labs should be set up in the college and the said work has already started creating such lab structures in the college itself.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	In order to promote /integrate the local language, art and culture, compulsory activities in the curriculum has to be added like literary activities etc. and through discussions/interactions/symposiums etc. in local languages which will fetch extra credit to the student. These changes will also increase the

	employability opportunities for the teachers and subject matter experts of these languages. Frequent field trips to local heritage sites/museums shall value their culture and traditions. This will boost the tourism sector in Maharashtra and Create awareness amongst students.
5. Focus on Outcome based education (OBE):	LOCF (Learning Outcome-based Curriculum) aims to bring about uniformity in the syllabus for all programs in all, the affiliated colleges of the University of SPPU. Variety of approaches to the teaching Learning process like lectures, seminars, tutorials/workshops/practical and project-based learning field work, technology enabled learning internships and apprenticeships and research work is suggested. The student learning the outcome should be defined in terms of knowledge skills understanding values employability. This institution, being affiliated with the concerned university follows the guidelines as and when directed.
6. Distance education/online education:	LOCF (Learning Outcome-based Curriculum) aims to bring about uniformity in the syllabus for all programs in all, the affiliated colleges of the University of SPPU. Variety of approaches in the teaching Learning process like lectures, seminars, tutorials/workshops/practical and project-based learning field work, technology enabled learning internships and apprenticeships and research work is suggested. The student learning the outcome should be defined in terms of knowledge skills understanding values employability. This institution, being affiliated with the concerned university follows the guidelines as and when directed.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	YES. The Institute established Electoral Literacy Club (ELC) in the year 2019. The ELC has been constituted as per the directions of the Election Commission of India to spread electoral literacy among the students.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs	Yes. The Institute has appointed student coordinators and coordinating faculty members. The year-wise list of student coordinators and coordinating faculty



<p>are representative in character?</p>	<p>members is as below: Sr. Year Faculty Coordinator Student Coordinator 1 2019-20 Prof.Akshay Somwanshi Mr. Akshay Kale 2 2020-21 Prof. Vishal M. Joshi Mr.Vivek Godase 3 2021-22 Prof.S.D.Bhondve Mr.Shrawan Bhosale 4 2022-23 Prof.Snehil Gaikwad Mr.Kanse Gaurav</p>
<p>3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.</p>	<p>Objectives: 1. To make the students about the electoral process in India 2. To help the students to register their names in the voter's list 3. To conduct voter awareness programs in association with the election wing of the revenue department Activities: The innovative programs and initiatives undertaken by the ELCs are 1. Voter registration camp for the eligible students on the campus. 2. Voter awareness camp conducted at various tehsil places in Ahmednagar district. 3. Voter awareness camp conducted for disabled persons &amp; senior citizens in various villages.</p>
<p>4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.</p>	<p>Yes, the socially relevant projects/initiatives taken by the Institute in electoral-related issues are: 1. Graduate Constituency voter awareness &amp; registration drive conducted in Ahmednagar District. 2. Teachers Constituency voter awareness &amp; registration drive conducted in Ahmednagar, Beed, Osmanabad District. 3. Conduction of class campaigns to sensitize the students about voter registration 4. Assists the students with voter registration 5. Introduces EVM to the students with the help of the election wing 6. Celebration of National voters' day</p>
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The voter registration awareness drive and follow-up have been regularly conducted at the Institute for above 18 yrs of age students.</p>

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
1196	1008	800	634	547

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

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

Response: 178

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 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
67	61	65	68	75

### 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
12	24	16	19	27



## 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:

Adsul's technical campus(ATC) is affiliated with Savitribai Phule Pune University(SPPU), Pune. Institute has constituted an Academic Monitoring Committee(AMC) that works under the guidance of Dean Academics(DA) for planning, execution, and monitoring of overall academic activities. The effective curriculum implementation is as follows:

1. **Semester Planning:** Principal calls a meeting of all Heads of the Department(HoDs), and DA to finalize academic calendar considering institute events and following SPPU academic calendar. Based on Institute academic calendar, each department prepares departmental academic calendar, which includes various activities like technical, curricular, sports, co-curricular, social, extracurricular, and skill development activities, internal/mock tests, university exam schedules, expert/guest lectures, workshops, and industrial/field visits.
2. **Allotment of subjects and electives:** Before the end of the current term, each HoD circulates a notice regarding subject choice for next semester. Each faculty member gives their subject preferences as per their expertise in subject to HoD. The elective subjects have been finalized base on the student's choice, preference, and availability of the expert faculty. The Head of each department allocates the theory and laboratory courses to faculty members as per their choice, area of interest, and specialization.
3. **Timetable Preparation:** The coordinator prepares classroom and laboratory timetable finalized by HoD and DA, which is circulated to faculty and students.
4. **Execution and monitoring:** The faculty members prepare course files which contain academic calendar, department timetable, individual timetable, syllabus, lesson plan, teaching notes, CO/PO/PSO/PEO and their mappings, assignments, tutorial questions, ppt/hand-outs, class tests, university question papers, MCQ's, e-contents for delivering online sessions, etc. The lab manuals are prepared for each practical subject by the respective subject in-charge. The ICT tools are used by faculty members for enrichment of teaching-learning process. AMC monitors and evaluates the quality of the teaching-learning process periodically. The daily attendance is recorded for theory and practical sessions and monitored by AMC to identify defaulter students, parents of such students are informed by telephone and discussed in Mentor-Mentee meetings.
5. **Continuous Internal Evaluation(CIE):** CIE of laboratory work is based on overall performance of the student. The parameters used for CIE are well-defined and documented and students are made aware well in advance. The CIE of the seminar and project is also carried-out and recorded in workbook. The unit tests are conducted for theory subjects to identify slow and advanced learners, and the remedial classes are arranged for slow learners.
6. **Resource Planning:** Instruments required to be repaired or obsolete are identified and necessary arrangements are made for maintenance. The annual budget is prepared based on consumables and non-consumable materials for new purchase demands and submitted to Dean, Administration for further processing.

7. **Industrial/field visits:** Industrial visits are planned as per curriculum and demand of subject to give industrial exposure to the students, and bridge the gap between industry and curriculum
8. **BE project Selection:** The coordinator issues a notice at the beginning of seventh semester for submitting project group members, areas of interest, and allows guide based on area of interest and specialization. Students are motivated for sponsored industrial projects to get experiential learning.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

File Description	Document
1.2.1 Number of Add on /Certificate/Value added programs offered during the last five years Response: 55	
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

File Description	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: 34.53											
1.2.2.1 Number of students enrolled in subject related Certificate/ Add-on/Value added programs year wise during last five years											
<table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>451</td> <td>141</td> <td>342</td> <td>276</td> <td>235</td> </tr> </tbody> </table>	2021-22	2020-21	2019-20	2018-19	2017-18	451	141	342	276	235	
2021-22	2020-21	2019-20	2018-19	2017-18							
451	141	342	276	235							
Upload supporting document	<a href="#">View Document</a>										
Institutional data in the prescribed format	<a href="#">View Document</a>										

## 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 Curriculum Design and Development process is carried out by SPPU based on the needs of society. The curriculum is revised at regular time intervals. The proposed suggestions are analyzed and communicated to the SPPU through the Dean (Faculty of Science and Technology), Chairman/ member of BoS. The institute/department/BoS collects consistent feedback from all stakeholders. The curriculum at various levels of engineering education includes topics like environmental studies, safety, security, ethics, social awareness, professional code of conduct, humanity, and social science.

ATC is a co-educational institute that takes utmost care in motivating and encouraging boys and girls to participate in various curricular/extracurricular activities.

**Professional Ethics:** These are imbibed amongst students by encouraging them to participate in professional activities like seminars, conferences, workshops, etc.

**Gender Issues:** To make students aware of the social, moral, and legal implications of gender discrimination, various guest lectures, seminars, and counseling sessions are conducted to create awareness among students regarding gender equality.

**Human Values:** Institute takes additional efforts for making students more sensitive towards human values by organizing activities like Blood Donation Camp etc.

**Environment and Sustainability:** As a conscious effort and contribution towards environmental awareness, ATC encourages students to conduct different activities like tree plantation, swatch Bharat Abhiyan, and road show on save the rivers.

ATC has an Internal Complaints Committee (ICC) to implement the directives in general and to deal with complaints/cases of sexual harassment. ATC also has an online grievance redressal portal where students can launch their complaints. ATC organizes programs like International Women's Day, World AIDS Day, Nirbhay Kanya Abhiyan, Workshops on Self-defense, and seminars on safety, security, and health regularly. Rallies, street plays, and many awareness programs are organized to educate people on various issues like water conservation, gender equality, road safety, voting rights awareness, etc. Students visit water treatment plants and sewage treatment plants to educate students on environmental issues. National Voters Day and Online Workshop on IT from a Special IT person for each non-IT department for value addition of computer and IT Knowledge is evaluated. Student associations at each department regularly conduct various activities/programs like poster presentations, quizzes, group discussions, elocution competitions, essay writing, and many more.

To supplement the crosscutting issues such as Gender, Climate Change, Environment, sustainability, Human Rights, and values special efforts are put on various platforms and committees such as the Grievances Redressal Cell, SC/ST Support Cell, and Anti-ragging Cell that exists at ATC.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

<b>1.3.2 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)</b>	
<b>Response: 100</b>	
<b>1.3.2.1 Number of students undertaking project work/field work / internships</b>	
Response: 1196	
File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

<b>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)</b>	
<b>Response: Yes</b>	
File Description	Document
Upload supporting document	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 47.03

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

2021-22	2020-21	2019-20	2018-19	2017-18
236	263	142	103	128

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

2021-22	2020-21	2019-20	2018-19	2017-18
420	420	258	378	378

#### 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:** 55.88

##### 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
165	168	86	48	51

##### 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
210	210	129	189	189

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 2.2 Student Teacher Ratio

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

**Response:** 17.85

## 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:**

All academic activities are aimed at elevating the student's knowledge, skills and building confidence in them. The teaching-learning process is one of the major objectives and the strength of ATC. Experiential learning, participative learning, and problem-solving methodologies are well adopted to ensure the holistic development of students and facilitate life-long learning and knowledge management. ATC ensures student-centric learning to create confidence among students by adopting: Regular conduction of lectures, practicals, presentations, tutorials, case studies, and assignments; Use of freeware/modern software; Learning through ICT-enabled technology; Motivating students to register NPTEL, SWAYAM, BodhiTree courses; Stress on mini/major projects; Model making; Facilitating internships/training, industrial/field visits; Presenting and publishing papers in conferences/Journals; Encouraging students to become members of professional bodies.

**Experiential Learning:**

- Practical courses including virtual labs.
- Technical know-how regarding maintenance and repairing activities of various lab equipment is conducted as content beyond the syllabus.
- Different learning methods like problem-based, case-based, project-based, inquiry-based, computation-based, and cooperative (work/community-based) are implemented wherever feasible.
- Students are encouraged to take up innovative major/mini projects.
- Conducting investigations for solving complex problems: Use research-based knowledge and research methods including design of experiments, analysis, and interpretation of data, and synthesis of the information to provide valid conclusions.

**Participative learning:**

- Encouraging students to participate in symposiums, debates, design contests, and discussions.
- Institute provides recruitment training for all students from 2nd year to make them industry ready.
- Students are trained on the latest trends and innovative technologies by organizing workshops, guest lectures, and seminars.

**Problem-solving methodologies:**

- To promote critical thinking, innovation, and interpersonal skills, students are given assignments and projects to design systems.
- Brainstorming sessions are conducted for students.
- Assessing the understanding capability of students through assignments and quizzes.
- Students are given remote access to avail tools like web resources, video lectures, and animated demonstrations.

**Individual Learning:**

- Institute encourages students to participate actively in various competitions, hands-on workshops, and training to improve their skills.
- ATC provides a learning platform for students like e-learning, NPTEL, SWAYAM, online certification programs, etc.

**Industry-Interaction and summer training:**

- Industrial/field visits, training/internships are part of the curriculum.
- Industry projects and collaborations are undertaken to enrich students with pre-employment training.
- Periodical guest lectures on topics relevant to employment skills by personnel from renowned organizations/industries.

**Innovative pedagogy practice:**

Institute promotes participative learning through innovative pedagogy practices such as group discussions, debate competitions, quizzes, role-play, fun games, learning through art (rangoli/poster), etc. during the semester through department activities.

**MoUs with Industries:**

Institute has tie-up and signed active MoUs with industries, to help the students to understand the actual process carried out in an industry, guest lectures, placements, visits, and workshops.

**Social Service Club (SSC) Activity:**

SSC of ATC supports conducting various activities like tree plantation, blood donations, voting rights awareness, road safety, fire safety awareness programs, save water save life, save girl child, Beti Bachao Beti Padao, and electoral literacy, etc.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

<b>2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years</b>				
<b>Response:</b> 100				
<b>2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
67	61	65	68	75
<b>File Description</b>	<b>Document</b>			
Upload supporting document	<a href="#">View Document</a>			

<b>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)</b>				
<b>Response:</b> 6.85				
<b>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</b>				
2021-22	2020-21	2019-20	2018-19	2017-18
10	06	3	3	1
<b>File Description</b>	<b>Document</b>			
Upload supporting document	<a href="#">View Document</a>			
Institutional data in the prescribed format	<a href="#">View Document</a>			

## 2.5 Evaluation Process and Reforms

<b>2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system</b>
---

**is time- bound and efficient****Response:**

Mechanism of internal assessment is transparent and robust for continuous evaluation of laboratory courses, term works, seminars, projects. Students are made aware of evaluation process beforehand through course coordinators. Marks of continuous evaluation for individual practicals are entered in presence of students. Overall marks in term-work, internal and in-semester examinations are displayed on notice-board.

**Laboratory work/term-work Assessment:**

Continuous assessment of each laboratory term-work is carried-out and shown to the student. Regular evaluation of laboratory work is based on attendance, content, performance, oral, sincerity, and regularity. Final term-work marks are calculated by considering the internal class tests and laboratory performance as a major share.

- FE to TE term-work marks evaluated by an internal examiner and displayed.
- BE term-work marks are evaluated by SPPU-appointed internal and external examiners.
- Practical courses are evaluated by SPPU-appointed internal and external examiners.

**Seminar and project Assessment:**

Guides are appointed for seminars and projects to provide guidance regularly. Guidelines referred for evaluation of marks are selection of topic in allotted time, literature survey, presentation, report writing, and oral. The student is supposed to meet the guide every fortnight to discuss the progress of the work and documentation.

**Grievance redressal:**

Examination Committee(EC) ensures smooth conduction of internal and external examinations. The committee in-charge deals-with and resolves issues/grievances relating to examinations. When dealing with difficulties/grievances, the committee is transparent, and majority of the grievances are addressed and resolved in timely manner.

**External Examination:**

Difficulties/grievances about SPPU examinations are communicated to EC, which are overseen, documented, and communicated to SPPU authorities and regular follow-up is taken for timely redressal as per SPPU's procedure. To increase transparency in SPPU examination-related grievances, a separate large-scale notice is posted in the examination section, including general instructions and procedures for grievance resolution, and departments are kept updated on the status of the issues. Examination section of ATC settles grievances and issues concerned with examinations, assessments, and certificates by communicating to SPPU for necessary action with the student application. The procedure is as follows:

- Notices related to photocopy, verification, and revaluation forms are displayed along with fees and deadline for submission.
- Request for a photocopy of the assessed answer sheets to SPPU.

- Application for re-totaling and re-evaluation.
- SPPU examination section makes a decision on various grievances and acts accordingly.
- EC collects and sends old mark-sheet from students in case of change of marks to SPPU examination section. The revised mark-sheet from SPPU is distributed to concerned students.

### Internal Examination:

Unit-test, preliminary examinations are conducted and evaluated by the concerned subject-teacher and answersheets are distributed to students. Subject-teacher discusses the expected answers and marking scheme, if any anomalies are observed in evaluation, student is free to discuss it and get it corrected.

### Laboratory-work:

Marks are awarded to the laboratory assignment accordingly and students are free to discuss if any grievance is identified at the time of journal checking. Further, if the grievance is not resolved by the course teacher, the student can approach to departmental academic coordinator, HoD, and DA for grievance redressal.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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:

Each course has a defined set of COs and POs by SPPU. The COs are mapped to the POs for quantitative measurement of POs attainments. The performance of the students in the examinations during the semester in each course is used to compute the level of attainment of POs through mapping of questions to COs, COs to POs, and PSOs. CO-PO and PSO mapping for all the courses in the program are prepared by the program coordinator in consultation with senior-faculty, HoD, and DA.

HoDs create awareness of POs, PSOs, and COs provided by SPPU to each course during student addressing. Faculty members, class teachers, mentors, course coordinators, and IQAC co-ordinator inform the students and create awareness and emphasize the need to attain the outcomes. PSOs are the specific skill requirements and accomplishments to be fulfilled by students at the micro level till the end of the program. Program coordinators prepare the PSOs, usually 3-5, in consultation with course coordinators. HoD and the subject teacher discuss the same and approve it after endorsement by HoD and DA.

POs are broad statements that describe the professional accomplishments, which the framing of the student program aims at and these are to be attained by the students by the time they complete the program. POs

incorporate many areas of inter-related knowledge, skills, and personality traits that are to be acquired by the students during their graduation. COs are direct statements that describe the essential and enduring disciplinary knowledge, abilities that students should possess, and the depth of learning that is expected upon completion of a course. The course outcomes are specified by SPPU in the curriculum.

All the POs, COs, and PSOs are displayed on the SPPU and ATC websites. Also, PSOs are displayed in HoD cabins which are available for students and staff. COs/POs are displayed at respective laboratories and explained their mappings to the students at the time of conduction of experiments and delivery of the theory course. PSOs along with the Vision and Mission statements of the department are printed on the certificate of the journal. The COs, POs, and PSOs are included in every course file prepared by individual teachers with mappings.

### CO Attainment:

Assessment includes direct and indirect methods. The process of CO assessment by the direct method is based on internal examinations and quizzes. Each question is tagged to the corresponding CO and the overall attainment of that CO is based on the average mark set as the target for final attainment except for external examination.

1. In-semester examinations are conducted in a semester by SPPU and each of them covers the evaluation of the entire relevant COs attainment.
2. End-semester examination is descriptive, and a metric for assessing whether the entire COs are attained. The indirect assessment is done through the course-end survey.

### PO and PSO Attainment:

After completion of the course, the student's exit-survey is carried out by individual departments to compute PO and PSO attainments.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6.2 Pass percentage of Students during last five years

**Response:** 94.27

### 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
355	289	220	136	85

**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
359	296	229	153	114

<b>File Description</b>	<b>Document</b>
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

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

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll	<a href="#">View Document</a>

## 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:** 6

**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	6

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.2 Innovation Ecosystem

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

**Response:**

ATC initiated an innovative ecosystem to inculcate research exercise among students and faculty members. The Institute has laid-out entrepreneurship development activities, seminars, workshops and signed active MOUs with different industries/organizations.

**Entrepreneurship Development Cell(EDC):**

The point of EDC is to set up a stage for trying business visionaries. This cell sorts out courses and workshops to enhance the skill sets of the students. This additionally assists in obtaining the information to lay-out joint effort with various businesses. To increase entrepreneurship skills, special expert talks of industry expert, alumni, and entrepreneurs are conducted for students for developing their skills. EDC works with an objective that promotes the students as job maker than a job seeker. EDC conducts training programs, expert/guest lectures for students to make them aware of the required legal/administrative techniques for starting a business. For development of entrepreneurship skill and student knowledge beyond syllabus extra-curricular activities arranged to know recent trends of market and industry required.



**Intellectual Property Rights (IPR):**

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

**MoUs:**

The institute has a tie-up with numerous enterprises which exchange the knowledge in the form of guest lectures, workshops, seminars, internships, certification training, Industry visits and placements.

ATC gives support to students and faculty for research activities. Most of the faculty members are involved in various academic, administrative and other statutory and non-statutory committees. Every year regular training programs are provided/arranged for the faculty members to enrich their knowledge and the same is percolated to students. The Institute committees are led by senior faculty members and supported by the second-line leaders among the faculty members. The Institute management creates an atmosphere of security, trust and expertise to facilitate the creative process and ensure that it does not go off. They encourage moving individuals and teams from creativity innovation. It is ensured that the process of creativity results in concrete proposals, ideas and prototypes that will enhance organizational development. Discussions are held by the management team with the Dean of Research, HoDs to know, how to take innovation, ideas, or agendas from faculty members and turn them into realities. Students and staff are informed about various equipment available in the institution and encouraged to use it.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**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:** 15

**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
3	3	3	3	3

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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: 0.58

##### 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
19	19	17	32	16

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 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: 0.16

##### 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
6	6	1	8	8

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:

ATC has begun the practice of conducting extension activities through the Social Service Club(SSC). The objective of conducting the social extension activities is to sensitize the higher education system and orient the student's youth community service while they are studying in an educational institution. It helps to understand the problems of the community, to take the part in social activities, and interact with society. SSC is vibrant and the members voluntarily participate in various social activities such as National Voters Day, International Women's Day, National Girl child day, Road Safety Abhiyan, tree plantation, blood donation, Beti Bachao Beti Padhav, village cleaning, creating awareness among the villagers and slum dwellers about digital/online transaction and various government schemes, Nirbhaya Pathak for security and safety measures of women's, International Yoga day, health and sanitary awareness, Covid19 vaccination camp, awareness of social distancing during Covid19 situation, visits to physically disabled and orphanage homes, etc. The volunteers interact with the common villagers and slum dwellers to expose them to the realities of life and tell them the importance of social awareness for society. The various camps have a very good impact on the entire development of students. Students also reported that there was a really great improvement in their social life. Working with SSC, students are motivated, their life has been furnished, and they are getting good help during their working culture too. The students have contributed to various social and environmental problems that they have come across; the strategic theory implemented has benefitted the students as well as the people of the society on a very larger scale. Planting trees, cleaning various social places, and spreading awareness to people about the importance of the environment and its conservation are the key activities conducted by such active groups of students in SSC. Computer literacy awareness is done in rural areas. Camp organized by the SSC arranges activities to minimize the gap between students and society peoples. It gives chance to work together on common problems faced by society and how to overcome them by working together. It changes the view of the motivated student community and subsequent volunteers to work for national development by participating in extension activities and programs.

**Impact & Sensitization:** Exposure to extension and outreach activities sensitize the students by imbibing the values of social responsibility like helping people in need and distress, understanding and sharing the need of underprivileged children, promoting cleanliness at common places, and village areas, and acquiring social values and deep interest in environmental related issues.

##### Learning outcomes of the activity:

1. Enhance their knowledge of societal issues and problems and search for solutions by getting involved with their lives.
2. Build up relations and tie-up with organizations/NGOs to carry forward humanitarian work in the future.
3. Develop a passion and brotherhood towards community, affected people/animals, and destitute.
4. Develop skills and aptitude for problem-solving.

The skills developed include social skills, communication skills, management skills, leadership skills, analytic skills, perceptual skills, etc.

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

#### Response:

The aim of ATC is to provide the right environment for physical, intellectual, and social awareness and to boost the morale of students and staff. The Institute Vision and Mission are also aligning with extension activities to be conducted for the intellectual development of our students, sensitizing them towards service-based learning. The activities of the institution are intended to involve the students in a variety of social service and developmental activities parallel with the normal academic programs.

There are many events and occasions that the colleges participate in. ATC is one of the most active colleges in the region that participates with full enthusiasm and spirit. The events are as follows:

- Stationary distribution in slum areas.
- Food distribution to the handicapped community
- Awareness about the importance of a safe environment & conservation of natural resources
- Campaigns for Plastic ban, water conservation, waste segregation, cleanliness, and antipollution
- Road safety awareness programme
- Swachh Bharat Campaigns
- Blood Donation Camp
- Tree Plantation
- Awareness about cleanliness and anti-pollution
- Food distribution to Anand Rushi Anathalaya

All these events and activities help students to be good citizens of India. Every year, the Institute, active participants, and volunteers get appreciation from the college management, various nearby gram-panchayats, and non-government organizations. Samples are mentioned below:

<b>Name of the activities</b>	<b>Award / Recognition</b>	<b>Name of the awarding agency</b>
Blood Donation	Recognition letter	Astavinayak Blood Bank, Ahmednagar
Swachh Bharat Abhiyan	Recognition letter	Gram Panchayat, Chas
Stationary donation	Letter of appreciation	Savali Orphanage, Ahmednagar
Grocery donation	Letter of appreciation	Anand Rushi Ashram, Nepti
Tree Plantation	Letter of appreciation	Gram Panchayat, Nimgaon Wagha

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**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: 96**

**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
20	09	13	30	24

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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: 53**

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:

ATC has the obligatory infrastructure required for effective teaching-learning processes and co-curricular and extra-curricular activities. The infrastructure has adequate facilities to fulfill the norms laid by the AICTE, DTE, and SPPU. The available facilities are enhanced by addressing the needs of students and faculty members to support research and development activities in the Institute campus. The facilities such as audio-video and ICT tools have been provided to strengthen the IT infrastructure of the Institute.

The following facilities are available which fulfill the academic activities:

- Each department has separate classrooms, tutorial rooms, HoD rooms, meeting rooms, and a department library. However, department libraries are to cater to the reference needs of the faculty and students.
- The department has computer laboratories with internet connection for the benefit of the students. Online education/examination support systems with sufficient computers are provided to enable students to carry-out their academic activities. Workshops and laboratories with software, equipment/machinery are provided to satisfy the criteria of SPPU. Laboratory manuals are made available in all laboratories and students are given freehand to execute the laboratory experiments within the syllabus.
- In addition, a language laboratory, Open-Air theater, and central auditorium to accommodate more than 1500 gatherings and a separate seminar hall with a seating capacity of 200 students each are provided with an LCD projector and audio/video system. These facilities are used for conducting guest/expert lectures.

ATC has always encouraged and supported co-curricular and extra-curricular activities. ATC has also carry-forward the legacy of society by promoting co-curricular and extra-curricular activities at their level. As part of this effort, effective and better coordination of various sports and cultural activities, effectively organized by the cultural in-charge and supported by the students of sports and cultural committees. ATC provides all sports materials to students for outdoor and indoor sports and cultural facilities.

##### Cultural activities:

ATC has been playing a vital role in the overall development of the students. The student's achievement is acknowledged by felicitating them at society and Institute level functions.

Apart from participation in various sports and cultural events, Institute also organizes events every year like the Annual Social Gathering 'SYNERGY', Inter-department sports competition, Ganesh Utsav, Dahi-Handi, Shiv-Jayanti, essay competition, traditional day, Rangoli Competition and Navratri, etc. Sports and cultural committees are actively involved in organizing the said events and are organized by the students

and for the students. A separate budget is allocated by the Institute for the organization of various sports and cultural activities. The students are encouraged to get sponsorship for organizing the events like Eklavya Chashak cricket trophy. ATC has also organized yoga facilities for interested participants so that all can get relief from their day-to-day workload. It strengthens mental and physical health and gives a feeling of healthiness.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 100

##### 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
12	24	16	19	27

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

As per the vision and mission of the Institute, the library has been established “to facilitate information generation and its application through effective transmission”.

The main objective of the central library is to provide transparent access to information to its users in a networked environment and to become a premier Learning Resource Centre in engineering, MBA, and related areas. The major library resources are available at the central library. The Central library has a rich collection of textbooks, reference books, and handbooks in a form of hard copies, CDs, and e-books. The library has software that is partially automated with Barcode System. The area of the library is 400 Sq.Mt.

consisting of a digital library, a stack area, and a reading room. ATC has a membership of the National Digital Library of India (NDLI), which provides online access to various learning resources such as audio-visual and text resources. The library has subscribed to 36 print journals. In addition to this, ATC has subscribed to DELNET, which provides access to 10,839 free e-books in 709 categories and 860 e-journals for engineering and MBA. The library facility is open to all students and faculty members during working hours. Book-bank facility is available for SC/ST students. ATC always strives to provide the latest and best collection of books, journals, and online sources to students. The open access system in the library enables the students to issue books for encouraging the user to browse freely in the stack area.

The Central Library has a separate Digital Library setup equipped with 20 numbers of computers with internet facilities. The computer interface has been provided for the smooth functioning of the library and for the students. It is equipped with NPTELs audio-video lectures, CDs, e-journals, e-books, etc. The Central Library has a provision of a spacious reading room with a seating capacity of 150 students.

Objectives of Central Library:

1. To support the teaching-learning process.
2. To meet the required information for students and faculty.
3. To upgrade the collection of reading material in hard copy and soft copy.
4. To provide competitive examination materials and useful guides.

#### **Library collection:**

There are 3,200 titles and 21,050 volumes available in the library for the reference of students and staff members. All the books are barcoded and barcode laser scanners are used in issuing counters for book transactions.

ATC has a subscription for the following e-resources

1. E-journals
2. e-books
3. Databases
4. Remote access to e-resources

#### **Library software:**

- Name of Software: - Library Management Software
- Type of Automation: - Partially
- Version: - 1.0
- Year of implementation: - 2017
- Type of Scanner: - Barcode Scanning



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

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

#### Response:

ATC provides the required IT infrastructure to meet the curricular demand and updates it frequently to provide the overall development of students. In 2022-23, ATC purchased 110 HP desktops(intel i5, 8GB RAM, 256GB SSD), 8 HP desktops(intel i5, 8GB RAM, 256GB SSD, 500GB HDD), 3 HP desktops(intel i5, 8GB RAM, 256GB SSD, 1TB HDD), 72 Dell desktops(intel i5, 8GB RAM, 256GB SSD), 8 Dell desktops(intel i5, 8GB RAM, 256GB SSD, 500GB HDD), 1 Canon 2900 Laser printer and 12 Canon 6030w Laser printers in addition to existing computers and printers. Classrooms have been equipped with LCD projectors and most of them are supported by Wi-Fi/smart classroom facilities. In addition to this, ATC purchased LCD projectors, Scanners, Photo Copying Machines, and Plotters recently.

The entire campus is under observation by CCTV cameras monitored at the central/admin level which is updated recently.

ATC has provided a computer center for student activities and learning during extra-academic activities. This includes an internet facility available through BSNL dedicated leased-line service and Wi-Fi for providing uninterrupted internet connectivity to students and faculty members.

The bandwidth of the internet connection in ATC is 80 MBPS and is upgraded based on the requirement to provide quality internet connectivity.

All the laboratories in the Institution have been updated at regular intervals with annual general maintenance and emergency maintenance based on the need to support students, the learning process more flexible and effective. The effective use of open-source software is encouraged as per the guidelines given in the SPPU curriculum. ATC has various networking devices like IBM Server, Routers provided by D-Link, Cisco Gigabit Ethernet switches, etc. ATC has various open-source software needed for academic purposes which include Java, Mysql, C, C++, Python, Postgres, Cisco packet tracer, Wireshark, CLDC wireless toolkit, open GL, Spark, Hadoop, Flash Pro, NS2, Microwind, NetSim, Xilinx ISE, LibreCAD, Pro-E, and apart from basic software like OpenOffice, Tally, etc. ATC has license copies of the Windows Operating System along with open-source operating systems like Ubuntu, and Linux OS. Anti-virus software is installed to provide better security and performance.

ATC has a well-equipped Computer lab where faculty members can prepare their video lectures. This has been very useful during the phases of the pandemic. Certain measures have been taken during the year 2020-21, due to the pandemic for ensuring the best teaching practices for students by using virtual labs developed by IITs and online lectures by using various platforms like Zoom, Webex, MS-Teams, Google Meet, etc.

The Principal's office, Administrative office, Examination cell, Training and Placement Department, HoDs, faculty members, and all departments are well equipped with computer systems, scanners, printers, and Wi-Fi routers with advanced configurations. Enough printers and scanners are available on the campus and are increased as per the requirements. A dedicated team with departmental staff is formed to take care of IT and related needs of the campus software development, hardware and networking maintenance, and Website designing.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 2.81

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

Response: 425

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 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:** 100

##### 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
12	24	16	19	27

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>



## 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:** 93.72

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
1132	958	760	589	483

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

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

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

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

#### 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:** 23.92

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
354	153	180	201	113

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

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

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

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

## 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:** 74.93

##### 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
280	218	152	104	59

##### 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
355	289	220	136	85

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

**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:** 52.38

**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
11	01	0	8	2

**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
20	5	5	10	02

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:** 1

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

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

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

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:** 13.2

#### 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
19	06	15	14	12

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:**

Yes, we have registered Alumni Association which is formed in 2019-20 with Reg.NO. 683/2019 dated 17/10/2019. Alumni are one of the important stakeholders of the Institute as they help immensely to the development of the Institute in multiple dimensions. Alumni of the Institute are facilitating mentoring services to Institute this became influential in making the students understand the industry institute gap and also the way to plan and shape-up their career in proper direction and making the students to understand various business opportunities and providing all the support required for preparing the students to become

industry ready or to make an entrepreneur by knowing the current dynamics of the industry.

### **Vision**

To provide forum to bring alumni students together on a single platform, so that they can contribute their expertise in technology to help juniors for achieving their goals. The idea took shape and formation of Alumni Association turned into reality.

### **Mission**

- To provide job opportunities to fresher bachelors through references.
- To re-unite in the alma mater from where students grew and flew off.
- To conduct orientation and training programs for students on various topics.
- To build a bridge between institute life and career life, to introduce present students to the professional world and to make them proactive to face the challenges that may emerge in their career path.
- To create awareness among students about the scope of their subject in their professional world.
- To advice and conduct activities that shall motivate and upgrade student skill sets.

### **Objectives of the Alumni**

- To guide and assist students who have recently completed their course of study from ATC, to make them engage in productive pursuits useful to the society.
- To provide a forum for the Alumni for exchanging ideas on academic, cultural and social issues of the day-by-day organizing and coordinating reunion activities of the Alumni.
- To enroll the members from time to time and keep them abreast with the activities of the society and the Institute.
- To provide a forum for members of the society to interact with each other.
- To achieve a high degree of belongingness with ATC and the society.
- To foster a feeling of brotherhood and friendship among the members of the society.
- To work as a vendor for Institute.
- To foster communication among the alumni and to promote relations through interactive meetings and get-togethers.
- To provide adequate avenues to draw up the knowledge and expertise of the alumni for overall development of institute and to attain a good position and influence in the academic, social and business world.
- To collect, publish and disseminate information that is relevant to all the members of the Society.
- To play a significant role in the placement of students in reputed organizations.
- To provide guidance to the present students in their endeavor for better employment and higher studies.
- To encourage a spirit of loyalty, friendship, service, and benevolence among members of the society.



<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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:**

Institute's vision and mission are as

**Vision**

To be a most preferred **Rural Technical Campus** in the region by creating competent multifaceted Engineers and Professionals ready to serve the industry and society at large.

**Mission**

To establish state-of-the-art facilities and create a conducive environment for transforming the rural minds into competent, skilled, professional, researchers, technically sound, innovative aptitude, and ethics through value-based education to develop the nation for global competitiveness.

ATC focuses on the needs of rural students of society by providing quality education at a minimum price. We at ATC believe in the decentralization of administration. The Institution's policy believes in the involvement of all staff in decision-making. To streamline the same, various committees at the Institute level are formed which look after academic and administrative activities which lead to the realization of the vision and mission of the Institute.

ATC has a CDC with the Principal as Chairman, Deans, HoDs, and Registrar. Dean Administration as a member taking care of all administrative issues. The meetings are held every two months. The Governing Body(GB), College Development Committee(CDC), Internal Quality Assurance Cell(IQAC), and Departmental Advisory Board(DAB) play vital roles in the evolutionary reforms of ATC. The Principal is assisted by Deans, HoDs, Registrar, Section in-charges, and coordinators of various cells/committees in the decision-making process of the Institute. Faculty are assigned the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well-developed process to ensure quality benchmarks of academic and administrative activities.

IQAC(formerly QAC) formulates a perspective plan taking into consideration inputs from all stakeholders with suggestions of HoDs and DABs under the guidance of CDC and GB. This plan is presented and deliberated in CDC under the chairmanship of the Principal to get consensus. This plan is forwarded to the GB for approval. Deployment of the quality policy is done by providing the requisite academic infrastructure, a learning environment, and harmonious work culture. Student surveys and feedback from all the stakeholders play a vital role in framing and revising policies.

CDC discusses the progress plan and takes the appropriate decisions and prepares the resolutions in a tune with the vision and mission of ATC. As per the suggestions of the CDC and GB, the IQAC prepares a comprehensive implementation plan for execution. The implementation plan includes infrastructure and

facilities to develop and procure learning resources, appointment, and training of human resources, conduction of academic activities, co-curricular and extracurricular activities, and training and placement of students. IQAC has developed a strategic plan in line with the vision and mission of ATC. Faculty opinions and participation is given due weightage by their participation in various committees like Anti-ragging, Research, Examination, Placement, and Internal Complaint Committee (ICC). ATC maintains the culture of retention of faculty for realizing its Vision. ATC has a good representation of women faculty at all levels of the organization.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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:

ATC has the vision to create versatile engineers ready to serve society. The leadership of ATC is through participative management all the way through a structured organizational system with the involvement of all Stakeholders. Key components of the organizational structure of ATC are GB, CDC, Principal, Deans, HoDs, Teaching, and Non-teaching staff. They review institutional strategic plans which in turn set academic objectives and identify the financial and recruitment strategies. The organizational structure lends itself to sustaining institutional capacity and educational effectiveness through the involvement of external members in various Committees/Boards. Various stakeholders of ATC are members of different committees. The decision-making procedures are made at appropriate levels in the organizational hierarchy.

As per SPPU and government guidelines, faculty are appointed, and all service rules are followed at ATC. Various committees are constituted with well-defined functions that give academic and administrative leadership.

#### Governing Body(GB)

GB is responsible for formulating the policies of ATC, providing the right direction for 360-degree development, and ensuring proper governance periodically. It chalks out a roadmap to achieve the desired goals.

#### College Development Committee(CDC)

CDC is formed as per section 97 of the Maharashtra Public Universities Act,2016 which looks after the overall functioning and progress of ATC through necessary guidelines.

**Internal Quality Assurance Cell(IQAC)**

IQAC plays a vital role by suggesting reforms in various academic and administrative areas. Regular meetings are conducted with Deans, HoDs, and faculty to discuss various aspects of quality enhancement.

**Deans**

ATC has designated various deans as Academics, Administration, Research, Quality Assurance, and Students for policy-making and smooth conduction of various activities.

**Registrar**

Works as head of the administrative office.

**HoDs**

Contributes to the growth of the department by organizing teaching, research, student activities, and training program at the department level.

**Training and Placement Officer(TPO)**

TPO helps to initiate and coordinate the industrial interactions related to the training and placements of students.

Various statutory committees such as ICC, Anti-raging, SC/ST, research, examination, library, academic monitoring, and SSC have been formed to facilitate the smooth functioning of the related activities. Various academic and administrative support sections such as admission, accounts, library, workshop, physical director, Rotaract club, Entrepreneur Development Cell, and Alumni association have been formed to support, monitor, and facilitate the academic, administrative, and student development activities. This makes the administration more participative and transparent.

**Service rules and procedures:**

Employee Service rules and procedures are guided by SPPU Statutes(latest edition), the Constitution of the college, and the rules of the State Government as amended from time to time in this regard. The recruitment rules for the teaching staff are as prescribed by the UGC and the eligibility is as per AICTE. The promotional policies for the employees are according to SPPU. Employee service books along with personal files are maintained at ATC. ATC has prepared a Code of Conduct booklet following all the service rules and procedures of SPPU and state government.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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	<a href="#">View Document</a>

## 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:**

Various welfare schemes are provided for the benefit of teaching and non-teaching staff at ATC which are as listed below

- Vacation leave, medical leave to eligible faculty.
- Study leaves for faculty to qualification improvement,
- On-duty leave to conduct research, to attend FDP, conferences.
- Maternity leaves up to 6 months to eligible faculty.
- C-Offs to faculty if worked on the holidays.
- Unused leaves like C-Offs, CLs, and ELs are paid at the end of the year.
- Partial financial support to faculty members to conduct research, and publish papers.
- Financial assistance to attend FDP, Conferences, Workshops, and Seminars in the field of specialization.
- Festival/Medical advances are given to employees who desire to avail. The amount is given as an advance and thereafter deducted from monthly salaries.
- Free transport for non-teaching staff and at a subsidized rate for teaching staff.
- Issue relevant documents to avail loans for needy staff members.
- Distribution of the revenue generated through consultancy activities such as testing, online

examinations to faculty, and staff.

- Institution has the Yoga center under which Yoga, meditation, and stress management sessions are organized.
- ATC has installed an RO unit for potable drinking water.
- Hygienic canteen facility.
- Pantry for faculty members.
- Gymnasium and sports facilities after working hours.
- Doctor on call facility is available for staff and students.
- Provision of gratuity for eligible staff.

#### **Performance appraisal system for faculty:**

Quality education is crucial for improving understudy results and accomplishments. ATC has a well-planned execution and evaluation framework. It is executed with the assistance of the Performance Appraisal Report(PAR) which assesses in general execution. Execution is self-evaluated and appropriately filled in PAR.

It is based on mainly three categories

1. Teaching, learning, and evaluation-related activities
2. Professional development, co-curricular and extension activities
3. Research and Academic Contribution
4. Counselling for increasing admissions.

Student satisfaction is given utmost importance at the Institute and hence it is a part of the faculty appraisal system. The feedback helps to review and improve the quality of the teaching-learning processes and measure the effectiveness of course design and delivery. The feedback is conducted in online/offline mode with complete confidentiality and anonymity. Apart from feedback, faculty is also assessed on performance of the students in examination.

Every year faculty fills PAR at the end of the calendar year which is reviewed by the HoD and then by Principal/Dean Administration for further consideration for appreciation or corrective action.

Every non-teaching staff also fills a self-appraisal form at the end of the academic year. The self-appraisal is first reviewed by the HoD for Technical staff and by the registrar for the administrative staff and then by the Principal/Dean Administration for further considerations for appreciation or corrective action.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 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:** 0.6

#### 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
0	0	2	0	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 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:** 15.04

#### 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
15	30	18	11	9

#### 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
48	48	42	42	36

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:

#### Internal audits:

An internal approval system for all expenses is in place. Accordingly, bill/voucher is recommended by the Staff/HoD and approved by the Principal, Vice-chairman, and Hon. Chairman of ATC. All the bills/vouchers are audited by an internal auditor/account department on a routine basis. A proper record of all the expenses is maintained by the accounts department.

#### External audits:

External audit is performed by an independent Chartered Accountant appointed by ATC that initially reviews the reports and observations made by the accountant. Taking into cognizance these observations, an exhaustive list of requirements is given for compliance and submissions to the statutory auditor for completing the auditing of the financial statements of the institute and providing a realistic statement through his audit report that the books of accounts reflect a true and fair view of the operational activities and the financial position of the Institute for the relevant financial year. ATC has an external audit on a regular basis carried out once per year by Mr. U. S. Kadam and Company, Chartered Accountants, Ahmednagar. The method of accounting followed is of mixed hybrid. ATC maintains bills and records regarding collection of fees from students and accounts are maintained which is audited by a chartered accountant. The principal, administrative office and account's staff help chartered accountant's company for audit. They submit yearly audit reports and audit financial statements to the institute authorities. Necessary compliances are done accordingly by accounts department.

The major source of receipts is tuition fees and development fees from the students. Audited income and expenditure statement of academic and administrative activities of the previous four years are available. No major objections are found in the audit by the statutory auditors whereas minor audit suggestions are compiled as per the procedure.

File Description	Document
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Provide Link for Additional information	<a href="#">View Document</a>



## 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:

IQAC was established on 1st August 2022 as per guidelines by NAAC for monitoring and assuring quality parameters in the teaching-learning process. Dr. Dineshkumar U. Adokar is the coordinator of it. Cell precisely assures the quality of education at ATC by planning excellent academic and research culture to adhere norms of NAAC in line with Vision/Mission. The dynamic and innovative environment is developed by executing quality enhancement strategies.

### Roles & Responsibilities:

IQAC Coordinator is directly responsible for development of quality culture at ATC. The roles and responsibilities carried by IQAC coordinator are:

- To develop and apply quality benchmarks/parameters for academic and administrative activities.
- To coordinate the dissemination of information on various quality parameters of higher education and encourage self-assessment and innovation.
- To facilitate creation of learner-centric environment conducive for quality education and faculty maturation to adopt the required knowledge and technology for participative teaching-learning process in consultation with DA and AMC.
- To coordinate and document various activities leading to quality improvement.
- To coordinate in preparation of the Annual Quality Assurance Report(AQAR) of ATC based on the quality parameters/assessment criteria developed by NAAC.
- To coordinate meetings of IQAC and keep a record of MoM.
- To coordinate timely and efficient execution of decisions/policies of IQAC.
- To conduct various workshops, seminars, and training on quality-related topics.
- To enhance infrastructure required for teaching-learning and administration.
- To arrange feedback responses of various stakeholders, analyze it, and take corrective measures.

### IQAC Quality Initiatives:

- Conversation in English among Faculty Members & Students
- Use of Z-Score for Internal Continuous Assessment Marks
- Uniformity in project and internship report formats
- Verification of In-semester Examination(ISE) marks by students
- Rigorous implementation of best practices of department
- Conduct capacity building programs for faculty and students
- Pre-placement training programs for students
- Establish Incubation/Innovation Centre, Skill Development Centre, Project Lab, lab as museum
- Motivate faculty and students for research publication in reputed journals/conferences and filing patents

- Conduct mock Practical/Oral before submission
- Sign active MoUs with Industries for III.
- Register in online courses like SYAYAM, MOOCs, BodhiTree, NPTEL etc.
- Use of ICT tools for teaching-learning and evaluation
- Event reports with geo-tagged photos
- Different assignments, mini-projects and guest lectures for advance and slow learners
- Alumni Interaction
- Academic Audits
- Certificate/Add-on courses
- Format for Mentor-Mentee scheme

### Long-Term Goals:

- To develop quality systems for conscious, consistent, and catalytic programmed action to improve academic and administrative performance.
- Matured Research and Development Centre
- Construction of Boys and Girls Hostel
- Increase in intake of existing UG/PG/Ph.D. courses
- Acquire autonomous status
- Establish a Centre of Excellence

### Short Term Goals:

- To take steps for periodic internal academic audits of the teaching, learning, and research activities.
- To collaborate with other academic institutions, industries, and agencies for improvement of quality and brand image of ATC.
- Construction of Mega Auditorium.
- Submission of proposal for NBA and NAAC.
- Plan for in-house professional studies (GATE/IES etc.) centers.
- Establish product Innovation and Incubation center
- Plan for Entrepreneur Development Cell
- Construction of additional area for upcoming courses

Organizing technical competitions, project exhibitions, seminars, national and International conferences etc.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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### 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:** C. Any 2 of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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:

Gender equity is an essential human right, it leads to better legal protection and better racial equality. ATC organizes many programs for the overall growth of the students and staff. ATC encourages girls' students to participate in all the activities. Gender equity is promoted in admissions, academic activities, extracurricular activities, and recruitment by ATC.

Specific facilities are provided for women in terms of safety and security, girls' common rooms, and an established Internal Complaints Committee.

- **Safety and security:** The safety of students is totally vital trouble outside and inside the campus. Institute has given first preference to the safety and security of all the students and staff. ATC campus is fully equipped with multiple CCTV camera systems with a resolution of 1250×1024 and multiple DVRs to observe all the activities within the premises including the administrative building's entry gate. Security includes checking the identity cards of students and staff. A separate register is maintained at the entry gate for visitors. Security guards are available at the entrance of ATC for 24 hours in 3 shifts.
- **Common room:** There is a spacious separate common room for girls with adequate area, attached washroom, Sanitary Vending Machines, Disposal Machines, mirrors, and beds. This space has been designed to give a place to relax, study, and have informal discussions in the free time available.
- **Internal Complaints Committee(ICC):** ICC has been formed and functioning well by conducting meetings regularly according to the schedule for resolving problems related to ragging, cleanliness, hygiene, etc.

ATC celebrates national and international commemorative days, events, and festivals like Teacher's Day, Engineer's Day, Republic Day and Independence Day, Yoga Day, Women's Day, Savitribai Phule Jayanti, Girl Child Day, Nirbhay Kanya Day, Environmental Day, Marathi Bhasha Din, Mahatma Gandhi Jayanti, Chhatrapati Shivaji Maharaj Jayanti, Youth day, Dr. A. P. J. Abdul Kalam Jayanti, etc.

- **Teacher's Day:** Students of all departments organize and celebrate the birthday of Dr. Radhakrishnan on 5th September as Teacher's Day by felicitating all faculty members.
- **Engineer's Day:** ATC celebrates Engineer's Day with enthusiasm on 15th September in honor of Bharat Ratna Sir M. Visvesvaraya, an eminent engineer.
- **Republic Day and Independence Day:** Every year ATC celebrates Republic Day and Independence Day on the 26th of January and 15th of August. The program starts with Flag Hoisting by Chief Guest followed by National Anthem.
- **Yoga Day:** ATC organizes International Yoga Day on the 21st of June every year by arranging yoga sessions.
- **Women's Day:** ATC celebrates International Women's Day on 8th March every year. The eminent speakers are invited to share their views on this occasion.

- **Savitribai Phule Jayanti:** ATC celebrates Savitribai Phule Jayanti on 3rd January every year by donating books, and stationery to poor and needy students.
- **Environmental Day:** ATC celebrates Environmental Day on the 5th of June every year by arranging Tree Plantation by planting saplings by students and faculty members.
- **Nirbhay Kanya Day:** ATC celebrates Nirbhay Kanya Day every year by arranging guest lectures of eminent working women.

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### 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	<a href="#">View Document</a>

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

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

**Response:** A. All of the above

File Description	Document
Upload supporting document	<a href="#">View Document</a>

**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:**

Education is one of the most important sectors which can contribute a lot to the well-being and smooth functioning of society. ATC believes in unity in diversity which connects students from different backgrounds in terms of social behavior, religion, knowledge, language, different communities, castes, linguistics, and other inter-caste groups. Students and staff are treated equally without any discrimination. ATC always motivates students to participate in different programs organized by Institute, inter-institute, Universities, and other Government or non-government organizations to make them sensitize towards cultural, regional, linguistic, communal, and socioeconomic diversities. At ATC all the students greet and wish each other in all festivals of different religions. ATC celebrates all festivals like Dahi-handi, Ganesh Utsav, Eid e Milad, Sankrant, Kite Festival, Navratri, and Dussehra, etc. on the campus for a healthier environment. ATC also celebrates birth anniversaries and memorials of great Indian personalities like Mahatma Gandhi, Chatrapati Shivaji Maharaj, Dr. Babasaheb Ambedkar, A.P.J Abdul Kalam, Savitribai Phule, and Sardar Vallabhbhai Patel, etc. for students to know their sacrifice, social work, nationalism towards the nation.

ATC conducts various programs like Voter right awareness, cleanliness, Swachh Bharat, Energy, and Water Conservation, and Women empowerment to develop and improve values, rights, duties, and responsibilities amongst the students as responsible citizens of India. ATC celebrates Constitution Day on 26th November every year. The objective of celebrating Constitution Day is to inculcate constitutional obligations among students, to create awareness about the constitution, and to sensitize the students about the importance of Constitution Day. Republic Day and Independence Day are celebrated by flag hoisting in the presence of the Honorable Chairman of the Institute.

ATC arranges Swachh Bharat Abhiyan to give awareness regarding cleanliness every year. This day is celebrated by organizing a rally to bring awareness to keeping surroundings clean among community people residing in nearby villages. ATC organizes Tree Plantation activity every year. When students plant a tree, they are not only planting a sapling but also hoping for the best, so tree planting is recognized as one of the most engaging environmental-friendly activities and creating awareness among students regarding the importance of tree plantation in combating climate change, and Global warming. Students and staff actively participate to plant the saplings. ATC also conducts Traffic Awareness Program to create awareness among the students regarding traffic rules to play a role in reducing the number of accidents on roads. A great initiative by ATC for the noble cause is organizing a blood donation camp every year. Students, teaching and non-teaching staff actively participate in Blood Donation program by donating blood, and certificates are issued by the Blood bank. Social Service Club in ATC works to motivate the students and is always successfully conducting activities to provide service to society. Seminars and workshops of eminent personalities are arranged on morals, values, duties, responsibilities, and saving the environment. Related activities like debates and poster presentations are conducted in the Induction Program.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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:

#### I) Digital Content Development

During pandemic situation, it is noticed that video lectures are important part of information delivery. From feedback of students and teachers, it is revealed that recorded video lectures are effective educational tool and has significant impact in changing learning environment. ATC taken initiative in training and promoting teachers for creating video lectures as per SPPU curriculum and content beyond syllabus are made available online.

#### 2. Objective:

- e-Contents are made available through YouTube channels for formal and non-formal education.
- increase student's concentration on subject they found difficult or class they miss-out to provide in-depth learning.
- reuse e-content many times without hesitation and fear.
- use e-content at anytime, anywhere, by anyone in the corner of universe.

#### 3. Context:

Well-developed e-content can be delivered many times to different learners. Individual course components i.e. units, lessons and media elements such as graphics and animations can be re-used in different contexts. The purpose of e-content development is to create an information rich source to society.

#### 4. Practice:

ATC has its own portal as digital repository, <http://www.adsulstechnicalcampus.com> for all video-lectures and supporting learning-material. Each course video-lectures are outlined with clear objectives, outcomes and plan.

#### A] Procedure adopted for Development of Digital content:

- Introduce course design and objectives.
- Encourage use of diagrams/flowcharts/related-videos while developing e-content.
- Preparation and editing of animation, graphics, graphs, bar-charts as per requirement.
- Video switching, Audio Mixing, Studio preparedness and technical support during recording.

#### B] Content Scrutiny by HoD/Expert:

- Developed digital contents are verified and inspected by Expert/Preview team consisting of HoDs and senior faculty members before uploading.
- Carry out amendment as suggested by Expert/Preview team.

#### C] Uploading Content on YouTube Channel:

- After implementing suggestions from experts, video is uploaded on YouTube channel to access anytime, anywhere.
- All students and faculty members are subscribed to YouTube channel.

### 5. Evidence of Success:

Most of the courses having above 95% result and improved in quality of teaching-learning. Students can learn at an individual pace with an opportunity for self-study and self-testing(learning). Also, there is improvement in learning with different topic difficulty. Students are getting higher count of elaborations, practice of solving numericals and problems with varying complexities. Interdepartmental students are benefitted from this activity, as number of students got placement in various software industry.

### 6. Problems Encountered and Resources Required:

Teachers should be aware of the learning characteristics of the students when they are trying to enhance their educational achievement.

**1) Audience's Challenges:** Audience/students age, gender, educational level, language, level of understanding, interests, attitude, present needs, beliefs etc. were not easy to understand.

**2) Personal Challenges:** Changing the mindsets of the teachers for developing Digital Content was not an easy task at rural level. As this content was supposed to make available on universal platform, each and everything has to be planned and executed until the best content was developed. Many times, retake was done for small errors.

### 3) Resources Required

- Internet facility
- Recording instruments & software
- Editing software
- Quality subject-specific Content in the form of PPT etc.

## II) Comprehensive Student Monitoring

Mentor plays vital role in development of students by providing professional and personal advice to improve his/her participation in academics and co-curricular activities.

### 2. Objectives:

- Monitor student's regularity, punctuality, and discipline.
- Make aware parents about performance and progress of their wards.
- Establish a first line-of-communication for each student and create sense of oneness.
- Identify and mitigate psychology, societal and other issues faced by students and refer them to experts.
- Make students self-aware of their strengths and weakness.



**3. Context:**

ATC has well-established system to inculcate discipline, punctuality, regularity, and motivate students by monitoring student's activities supported by organizational structure, policies, and practices.

**4. Practice:**

- Faculty members are Mentors of 20-22 students allocated by HoDs.
- Mentor collects personal information of student without touching sensitive issues or forcing any information and provides counseling.
- Critical issues are brought to notice of HoDs.
- Mentor meets Mentees informally outside class hours as well and guide them regarding career options.
- Students may get lost with too many students in same class from different backgrounds. They face stress of complex course, peer pressure and emotional immaturity. Therefore, it is need of hour to intervene and introduce monitoring and guidance.
- Teacher takes attendance in every class during first five minutes and enters list of absentees in academic activity register, which enables HoDs to monitor students in each lecture.
- Class in-charges prepare monthly attendance for each division and conveys to parents of defaulters to improve attendance.
- Concerned teacher enquires and counsel's student if he/she is absent for two continuous lectures.
- Class-in charges, HoDs, and DA regularly monitors, enquires and counsel students and parents.
- DA conducts periodic meetings with HoDs to review punctuality and regularity of students.
- Weightage of five marks is given to attendance in internal assessment to improve student's regularity.
- Every student participates in an event conducted in Institute or outside with prior permission of HoD.
- Disciplinary Committee of ATC promptly curbs indiscipline in campus.
- Anti-Ragging Committee monitors fresher's by frequently visiting sensitive areas within and outside campus.

**Responsibilities of Mentor:**

Mentor performs following duties:

- Meet group of students at-least twice a month.
- Maintain detailed progress and record of students and parents.
- Be in touch with parents/guardians through parents meets and/or contact parents/guardian if situation demands.
- Continuously monitor, counsel, guide and motivate students in all academic or personal pursuits.
- Advise students for career/professional development.
- Keeps contact with students even after graduation.
- Intimates HoD and suggest if any administrative action is called for.
- Maintains brief but clear record of all discussions with students.

**5. Evidence of Success:**

- Improvement in attendance speaks volumes regarding steps taken for monitoring students.

- Enhancement in performance of students due to regular monitoring and discipline is evidence of success.

#### 6. Problems Encountered and Resources Required:

- Enquiring student in class regarding absentee, wastes time of all students.
- Poor response of parents for enquiries.
- More number of classes required than actual to complete syllabus.
- Extra efforts are required to counsel and explain parents about their role and cooperation in monitoring their wards in building the career.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 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:

##### A] Giving back to society and the Environment:

Even if you don't fancy yourself as an environmentalist, it is important to recognize the programs and policies of institutes greatly impact the quality of our life. ATC believes in high standards of academic, professional, and societal performance. We at ATC believe that college life is not all about academics, games, friends, and fun but also about learning to interact with other people and being aware of social, environmental, and gender issues and inequities in society. We provide an opportunity for every student to contribute to making the society in which they live a better place and to grow as better individuals. ATC has committed itself to the task of inculcating social values and responsibilities in its students for displaying respect for society. In line with its vision of working towards the socio-economic development of the country, ATC has taken utmost care to give back to the community. Several student committees are formed to carry-out the duties towards society. One-week intense Induction Program for freshers provides them an insight into the Institute's values and vision.

ATC protects environment with its green campus initiative and keeps a pollution-free campus by conducting different programs. All staff and students actively participate in the tree plantation during the rainy season on campus and nearer villages. The green campus concept offers an opportunity to Institute to take the lead in redefining its environmental culture. ATC work-out the time-bound strategies to implement green campus initiatives and supports to promote sustainable and eco-friendly practices.

- ATC conducts Tree Plantation programs in different areas of the city, villages, and campus. Institute has adopted practice of felicitating guests by giving saplings and many programs start with tree plantation to promote importance of tree plantation.
- ATC conducts Swatch Bharat Abhiyan frequently in the different places nearby to give awareness about cleanliness to students and society.
- Greening the campus of the Institute includes sweeping away wasteful inefficient sources and using a conventional source of energy for its daily power needs, correct disposal handling, and purchase of environment-friendly supplies and e-vehicles.
- Students and staff visit an orphanage and disabled regularly to provide help in terms of stationary, grocery, and needed equipment.
- ATC organizes Constitutional Day to give a message to the students regarding the duties and rights of a citizen of India towards the country.
- ATC organizes National Voters Day on 25th January to give awareness regarding the importance of voting.
- ATC organizes the Blood Donation Camp regularly.
- Students and staff actively participate in roadshows and programs arranged in the villages to promote the importance of the girl child and the importance of education to the girl by Beti Bachao Beti Padhao program.
- Donation is collected for needy people in the emergency situations like flood, or earthquake.

Recently ATC collected donations for the people of Kolhapur during flood time.

- ATC organizes Aids awareness programs in local areas through roadshows.
- Local students are motivated to bring bicycles one day a week.
- Posters of Ban on plastic are displayed on the campus to give awareness regarding the green environment. Nearby villages are made aware by organizing road shows.

### **B] Higher Education Awareness Programmes for Junior College and Polytechnic Students:**

Education is a lifelong pursuit that can have a significant impact on your present and future. The years spent in higher education expose students to new ideas teaches them how to think critically and give them the skills they need to succeed in the workforce. When you invest in your education, it can change your life and provide better opportunities; that's why we want you to be aware of the importance of higher education.

As per our mission, "To transform the rural minds through value-based universal education of engineering and technology to develop the nation for global competitiveness and bring harmony to mankind", we conduct "Higher Education Awareness Programs" at the Junior Colleges and Polytechnics across the Maharashtra State to encourage students for higher technical education. In normal working conditions, the faculty of ATC visits nearby junior colleges, and polytechnics and deliver seminars and council each and every student personally. Also, during the pandemic situation, our faculty members conducted online webinars for the students with the ambition that the students from rural areas will fly with seven colors in the sky. As a part of this Awareness Program, we not only encourage them to higher studies but also guide them regarding filling the MHT-CET entrance form, JEE, and NEET exam form. We also update them daily regarding the admission process, criteria, and documents required for admission. We also create awareness about various government Scholarship schemes and scholarships/financial facilities that the Institute is offering to the poor and needy students of rural areas so that the students from economically backward categories can take advantage of higher education.

**C] Additional Utilization of Resources:**

- Career guidance for 12th science and polytechnic students
- Essay competitions during the induction program
- Facilitation Centers for Engineering and MBA admission process
- Extended time for student counseling for the overall development of the students
- Examination centers for State and National agencies for conducting examinations like Health Department, MIDC Recruitment, Water Resource Department recruitment, NEET, etc.

**Outcomes:**

- Because of Tree Plantation programs in the surrounding village, the barren land flourished with flora and these trees reduced the heat effect through evaporative cooling and reducing the amount of sunlight that reaches parking lots and buildings
- Also, the Tree Plantation helps to improve air quality and the ozone layer by filtering harmful dust and pollutants such as carbon monoxide, carbon dioxide, and sulfur dioxide from the air we breathe
- As a result of Higher Education Awareness Program, more students appeared for entrance examinations in medical, pharmacy, MBA, and engineering fields.
- Due to green initiative in ATC, nearby villages became clean and plastic free
- The voting percentage in Gram panchayat elections has increased
- Enhanced number of admitted girl students in various nearby colleges
- Increased number of e-vehicles and cycles
- Following traffic rules by use of seatbelts, and helmets have increased.

File Description	Document
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

Adsul's Technical Campus, Chas, Ahmednagar is established in 2011, by Sakeshwar Gramin Vikas Sanstha which is established in 2004. The Campus is situated at Chas village on 7.5 acres of land with sufficient infrastructure and is lush green, pollution free, and healthy campus having all the required facilities for the students. In the last 11 years, the Institute has grown horizontally and vertically. The Institute offers both UG and PG Programs affiliated to Savitribai Phule Pune University, Pune in the major engineering branches Like Mechanical, Computer, Electronics & Telecommunication, Electrical, Civil, and MBA. The major landmark in the development of the Institute is ISO 9001:2015 Certification. The Institute is always ready to help the student community to a large extent for placements in various Industries. Active MOUs have been signed by the Institute and is also working hard to bring various MNCs for campus placements not only limited to our own students but for the students in Ahmednagar and nearby districts. During the year 2022, the Institute has organized mega placement drives on 18th of August, 05th November, and 1st of December. All these drives were open for all the students of ITI, Diploma, any graduates, and MBA from any institute. Almost 60+ industries from Pune, Chakan, Mumbai, Shirwal, Ranjangaon, Supa, Ahmednagar, and Walunj MIDC have participated in these mega placement drives and offered placements to 654 students with packages ranging from 1.4 Lacs to 6.5 Lacs.

### **Concluding Remarks :**

The Institute is constantly focusing on the quality of education and the overall development of the students. The Institute's systematic and well-planned efforts in this area are reflected in activities carried out throughout the year, which have improved the multidimensional development of the students and are reflected through the increased number of placements. Boards of trustees, Governing Body, College Development Committee, IQAC, Academic Monitoring Committee, and numerous institute-level committees make up the governance structure. This has a significant impact on the Institute's evolutionary reforms, which are aimed at putting it on the preferred list of all stakeholders. The academic infrastructure is equipped with technology and ICT tools to improve the teaching-learning process. Continuous improvements are made to maintain and modify existing infrastructure. The IQAC keeps a close eye on academic and administrative matters. The Institute adapts its best practices to allow all types of learners to use them for 360-degree growth and entrepreneurial activities. To summarize, we work hard to develop the Institute in all aspects, including infrastructure, academics, and human resources, in order to obtain accreditations that certify the standards and processes followed, as well as to understand the scope for improvement in order to achieve the defined Vision.