



# **SELF STUDY REPORT**

**FOR**

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

**ARJUN COLLEGE OF TECHNOLOGY AND SCIENCES**

**MOUNT OPERA PREMISES, BATASINGARAM (V) , ABDULLAPURMET (M) ,**

**RANGA REDDY**

**501512**

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Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

- Arjun College Of Technology & Sciences is Sponsored by Brilliant Bells Educational Society. The College is situated 20 Kms away from L.B Nagar, on Vijayawada National Highway-NH9, Near Ramoji film city, In the Mount Opera Premises, Hyderabad, Telangana ,India. The college is located in 10 acres of serene environment which is lush green and free of pollution. ARJUN COLLEGE is modeled on a premier educational institution and is sponsored by instructive group. It is dedicated to imparting quality education and promoting excellence in academic pursuits in the field of Science, Engineering & Technology. ARJUN College is possessed with the objective of turning out high caliber Engineering Professionals. ARJUN College has highly talented cross-functional team which is committed to meet its objectives.

Academic or Learning in the backdrop of nature is the hall mark of Arjun . Here every effort goes into giving the academic thrust to learning. We stand by complete delivery of knowledge in terms of complete teachers and complete infra. There is no compromise on academics at any level of professional education at Arjun.

At Arjun college of Technology and Science , it is our endeavour to provide the students with a congenial environment with a focus on achieving academic excellence. We also focus on the all round development of the students by constantly conducting various activities that help to enhance the personality, creativity and innovativeness of an individual.

### **Vision**

To attain highest level of excellence in education to create a sustainable society through innovative applications of technology and sciences

### **Mission**

To create an environment for learning that shall foster the growth of professionals who shall contribute to applications of Technology and sciences in partnership with industry for welfare of the society.

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

### Institutional Strength

- Premier higher education Institute, in the field of Engineering and Management, offering variety of UG and PG programmes.
- Qualified, Experienced, Dynamic, Proficient and Dedicated faculty with an attitude to excel in the profession.
- State-of-art infrastructure, ergonomically designed classrooms,
- well- equipped laboratories, enriched library, ICT, and other Facilities to cater to the needs of students, faculty, and society.
- An ISO 9001:2015, ISO 14001: 2015 and ISO 21001:2018 Certified Institute.
- Rendering maximum support to students for training in communication skills, aptitude & logical aspects, and interview skills for boosting employability. Company-specifying and Internship to enhance employability.
- Focus on co-curricular, extra-curricular, sport, NSS, and, extension activities leading to holistic development of the students.
- Ragging-free environment
- Well-established Industry-Institute Interaction cell, Training & Placement Cell.
- Excellent Campus Placement.
- Personal counseling of each student by faculty and regular meetings with parents.
- Spiritual, pleasant, and intellectually stimulating environment of campus.
- Lush Green Environment
- Decentralization and Transparency in Administration.
- Active participation of the student in Academic and Administrative Bodies
- Faculty Development and Skill enhancement Programmes.
- Computational facility and internet connectivity.
- Well-defined Service Rules.
- IQAC has been established for Quality Audit and continuous assessment and improvement
- Well established library with good number of knowledge repositories
- Encouraging active student participation in community development programs through NSS

### Institutional Weakness

- Students' communication skill are not up to the mark as students are from rural and Poor Financial background.
- Moderate Research activities in Research & Development wing
- Limited Scope for interaction with R&D organizations,
- Inadequate Collaboration with Foreign Universities
- As students are from poor and weak financial background , less exposure to the socio cultural environment
- collaboration with industries and advanced research is limited

## **Institutional Opportunity**

- Enhancing Collaboration with foreign universities
- Enhancing R&D activities and Industry Institute Interactions
- To become Autonomous Institute
- To provide Exchange Programme opportunities for 100% of Students
- To continue to adopt new and innovative ICT-enabled practices in Teaching Learning
- Collaborative student projects with industries
- To Initiate startup programs
- MOUs with the Institute of National Importance

## **Institutional Challenge**

- To meet the aspirations of stakeholders due to the gap in conventional university curriculum and growing industrial needs.
- Competition posed by the increased number of new and upcoming unaided institutes in the region.
- To improve Patents and copyright earning Level of Research
- Motivating students toward employment in core Industries
- Blending appropriate MOOC courses with the current curriculum to add value
- Keeping pace with global development in pedagogy and research.
- Delay in receipt of a scholarship grant from the Government

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

1. ACTS Batasingaram is established in 2005. It is approved by AICTE and affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH).
2. The institute offers five undergraduate engineering programmes in Civil Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering, Computer Science Engineering and Computer Science Engineering (Artificial Intelligence & Machine Learning) with a yearly enrolment of 300 and a PG programme, Master of Business Administration with an enrolment of 60 students.
3. The institute facilitates curriculum implementation as per the affiliating university, JNTUH.
4. The subject workload is distributed to teachers based on their specialization and experience. They prepare teaching schedules, course files and subject files which are endorsed by the HOD.
5. Apart from black board and chalk, the teachers are encouraged to use innovative methods like usage of ICT tools to promote effective delivery of information to the students.
6. Bridge courses are conducted for Students admitted to second year after diploma.
7. The institute prepares a calendar of events by keeping the JNTUH academic calendar in view.
8. A Class review committee consisting of the head, academic coordinator, and class coordinators meets periodically with the student representatives to solve the issues related to syllabus coverage and problems in academics.
9. A Counseling System exists to monitor students social, emotional competencies, personal and professional problems. Each teacher acts as a counselor (mentor) and monitor 15 students.
10. Internal evaluation (25%) is as per the norms of JNTUH. The average of two internal exams, each with

10 marks for subjective evaluation, 10 marks for objective evaluation and 05 marks for assignments is considered for internal assessment. The external exams are evaluated for 75 marks (75%) by the university end examination.

11. Evaluation of teaching-learning process is through a review meeting of the IAC after the first mid examination in each semester.

13. Student evaluation of teacher's performance on a 10 point scale is collected at the end of each semester. Quality enhancement measures like special training, encouraging them to attend faculty development programmes etc are adopted for teachers who score below 6.

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

The teaching-learning process is one of the major objective and strength of our College. ACTS focuses on learner-centric approaches in the delivery of curriculum for the all-round development of students. The College has initiated many novel methodologies and techniques in teaching learning as its differentiators.

- Student centric method of teaching is the most approved pedagogy followed by the ACTS.
- The College takes appropriate measures to cover the syllabus and also improve the student's general academic knowledge and technical skills. The traditional method of teaching is supplemented by experiential learning and participative learning.
- The entire campus is Wi-Fi enabled. It helps the faculty and students to familiarize with digital libraries, video lectures.
- The teachers as facilitators interact and encourage the students to come up with innovative ideas in the class.
- The students are encouraged to prepare models, charts, collages and they are displayed on the notice board or kept for view of other students at a noticeable spot in the campus, for the motivation of other students.
- Students are encouraged to do live Industry Oriented Mini Project and Project work as part of the fulfillment of the course work, which is mandatory.
- Students are taken on industrial visits to get hands-on experience and clarify their doubts on the emerging technologies in their areas of interest.
- Group discussions, JAM, technical quiz, programming contests are conducted to promote academic excellence and psychological relaxation to the students through department associations.
- Students are given independent skill based responsibilities like organizing Technical events, Cultural Fest and Food Fest within the campus. This inculcates the students to attain leadership qualities, organizing abilities and team building capacity.
- Eminent personalities from academia and industry are invited to supplement the theoretical knowledge of the students with their practical experience.
- Students are guided by the faculty on various career prospects, competitive examinations and selection of special choice based subjects in the beginning of the academic year.
- The institute has various clubs to promote independent learning such as Student Activity Centre and Photography Club.

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

ACTS encourages research orientation in faculty, the institute evolved a support system which provides

1. A common computer center is provided to staff and students. Access to e-journals, international and national journals is provided.
2. DELNET and INFLIBNET facility helps to explore e-journals and reference books needed for research.
3. Incentive is provided for paper presentations and book publications.
4. Faculty members are encouraged to attend and conduct workshops, technical seminars, conferences through financial support.
5. The institute has collaborations with professional bodies like ISTE, IETE, SESI, CSI etc under which workshops/seminars/conferences are conducted.
6. Our faculty are invited by other institutes to give extension lectures on emerging fields.
7. Students are supported for doing and exhibiting live projects. Best project work is recognized with a letter of appreciation.
8. Extension Activities such as Swach Bharath, Blood Donation Camps, Tree Plantation are taken up.
9. The college has Collaboration with Industries, Academic Institute and Professional Bodies for sharing research facilities and undertaking collaborative research and is benefited academically in a remarkable way.

### **Infrastructure and Learning Resources**

- The institute was established with an objective of serving the rural and backward regions of Telangana.
- Apart from providing quality technical education, the institute also aims at teaching students social responsibility through activities that extend to the community around.
- Students are encouraged to involve actively in various social service activities. This enables them to recognize their capacity to help others in improving their quality of life, contribute to sustainable development and solve social problems.
- The faculty and students of the institute teamed up in organizing tree plantation programs under the name Haritha Haram within and around the institute premises.
- Through Shramadhan event, students helped dig water recharge pits.
- The student and faculty in collaboration with NSS unit and NCC wing have actively participated in Swacha Bharath Abhiyaan scheme to promote awareness of Clean India movement in the nearby villages.
- Students of our campus are educated about the fact that blood donation is a safe and simple way of making a big difference in people's lives, so blood donation camps are organized regularly assisted by NSS and NCC volunteers.
- National Yoga day is conducted to spread the awareness that yoga is a means of increasing stamina and reducing stress.
- Prevent Cancer programs were organized to help people ward off general fears of cancer.

- An awareness program was conducted on digital payments, GST and tax payments for merchants of nearby areas.
- To educate about fundamental duties, National Voter's day is conducted on January 25th every year.
- "Help the Helpless" team from the institute regularly visits orphanages and old age homes, donates both in cash and kind to help improve their living conditions and give moral support.
- The institute's physics department, in collaboration with Indian Association of Physics Teachers (IAPT) conducts extension activities in schools and institutes of surrounding regions of north Telangana. These include stage shows, hands-on experiments, physics exhibits etc. to provide better understanding of fundamentals of physics.

### **Student Support and Progression**

- Institution takes utmost efforts to provide necessary assistance to students, to enable them to acquire meaningful experiences for learning in the campus and to facilitate their holistic development and progression.
- Students are benefited by scholarships and freeships from all central and state government schemes under SC/ST/OBC and other categories. Institute provides scholarships to students under economically weaker class and meritorious students.
- Facilitating mechanisms like career guidance & placement cell, soft skill development cell, Finishing School, etc. are working hard for capability enhancement and development of students.
- Institution has a well-structured, organized guidance and counselling system for different learning abilities and bridging the curriculum gap. Institution.
- Institute has a well-defined mechanism for redressal of grievances of students through Grievance Redressal committee, Anti-ragging committee & Anti-Sexual Harassment committee.
- The Institute concerns for student progression to employability and to higher studies. T&P activities and preparation for GATE is active. The institution has a mechanism for career guidance and placement of the students. The institute conducts soft skill development, career counselling, and personal enhancement sessions to ensure the success in placement. Through skill development cell, institute motivates & guides the students for higher studies, which has improved progression to higher studies.
- The institution has the required infrastructure and promotes active participation of the students in sports, social, cultural and leisure activities. The student exhibits their talent, managerial skills and creativity through participation and organizing in various co-curricular and extracurricular activities.
- The students actively participate in academic and administrative decisions at institute level. Departmental student's forum, student chapter are available where students play an important role in decision making and organizing department level activities. College has a registered and active Alumni Association. Every year the college organizes alumni meet.. Alumni contribute for the development of students through financial and non-financial means. Alumni help students for placement & career planning.

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

The governance of the institution is reflective of an effective leadership in tune with the vision and mission of the institution

- ACTS started in 2005 and is sponsored by Brilliant Bells Educational Society. Thus it has delivered successfully over a decade in the cause of learning excellence.
- The College is situated 20 Kms away from L.B. Nagar, on Vijayawada National Highway-NH9, in the Mount Opera Premises, Hyderabad, Telangana. The college is located in 10 acres of serene environment which is lush green and free of pollution.
- ARJUN COLLEGE is modeled on a premier educational institution and is sponsored by instructive group. It is dedicated to imparting quality education and promoting excellence in academic pursuits in the field of Science, Engineering & Technology. ARJUN College is possessed with the objective of turning out high caliber Engineering Professionals.
- Arjun college with a view to strengthen the teaching-learning process and its quality, college has introduced staff development programs.. The college also encourages faculty to pursue their higher education while doing service by providing assistance in the form of academic leaves reduction in their class work etc., Experience the complete learning. Completeness of the wherewithal for engineering studies hallmarks the institution. No let up anywhere. No compromise at all. Space, labs, classrooms, power, grounds, waiting rooms, and library name it and you have it in complete measure.
- Special/ Guest lectures on weekends.
- Special classes on career guidance along with weekly seminars
- Awareness Programmes for job readiness.
- Entrepreneur Development Cell (EDC), established with the support of JNTUH, to develop the entrepreneur skills of students for their setting up small and medium enterprises.
- Extracurricular activities are organized by the clubs – such as dance club, debate club, music club, dramatic club, health club and photography club.
- The National service scheme (NSS) operates through a unit which conducts outdoor camps and reaches out to the people in rural areas. Some of the activities are teaching computers, conducting blood donation camps, planting saplings etc.

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

ACTS is a co-education institution, catering quality technical education to the student community by providing equal opportunity to both Boys and Girls.

Since its inception ACTS has maintained equal opportunities without any discriminations on gender basis. Gender sensitive programs have been conducted regularly for students as well as for faculty members. Gender equity is seen in our academics, employment and other initiative programs. Gender sensitization course has been introduced to bring awareness on equality for all students under guidance of JNTUH.

ACTS is always taking utmost precautions regarding safety and security especially for girl students and faculty. This is monitored at various levels. Various committees such as



Board of Governors regularly monitor the activities of various statutory committees of the institution

Academic Advisory Committee suggests curricular activities addressing the issues related to gender.

Women's Development Cell organizes activities responding to the issues related to gender in the society. Social activities such as awareness rallies are conducted.

Grievance Redressal cell / Internal Committee closely monitor the issues related to gender and suggest all possible remedies to curb menace due to gender.

Discipline Committee, Student Activity Committee, Anti-Ragging committee, NSS Unit, HODs, PDs monitor the Girl students' safety and security.

These committees take adequate care to address the social security of the people in the campus and tries to influence the people of nearby areas. The institute is under CCTV surveillance so that safety and security in the campus is sensitive for all genders and prevention of untoward incidents.

The institute made the Women Development Cell to be very active to motivate the girl students to face the challenges in the society.

It works to promote gender sensitivity and produce harmonious atmosphere on the campus.

Common Room is provided for students to lead a healthy and stress-free life in the college campus. The institute has separate rooms for both girls and boys so that they can use it for taking rest when they do not feel well.

The women rest rooms are arranged with sanitary napkins for keeping health hygiene along with eco-friendly conducive environment.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	ARJUN COLLEGE OF TECHNOLOGY AND SCIENCES
Address	Mount Opera Premises, Batasingaram (V) , Abdullapurmet (M) , Ranga Reddy
City	Hyderabad
State	Telangana
Pin	501512
Website	<a href="http://www.arjunengg.com">www.arjunengg.com</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	Mohammed Yousuf Ali	040-9866301410	9866301410	-	principalacts@gmail.com
IQAC / CIQA coordinator	Jada Lingiah	-	7799353449	-	hodeceacts@gmail.com

Status of the Institution	
Institution Status	Private and Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	

State	University name	Document
Telangana	Jawaharlal Nehru Technological 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>	07-07-2022	12	latest approval from AICTE

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	Mount Opera Premises, Batasingaram (V) , Abdullapurmet (M) , Ranga Reddy	Urban	10	14765

## 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	BTech,Cse	48	Intermediate	English	60	46
UG	BTech,Cse	48	Intermediate	English	60	19
UG	BTech,Ece	48	Intermediate	English	60	48
UG	BTech,Eee	48	Intermediate	English	60	43
UG	BTech,Ce	48	Intermediate	English	60	35
PG	MBA,Mba	48	Intermediate	English	45	45

### 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	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	5				5				114			
Recruited	4	1	0	5	5	0	0	5	72	42	0	114
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				56
Recruited	36	20	0	56
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				10
Recruited	7	3	0	10
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.	4	1	0	5	0	0	0	0	0	10
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	72	42	0	114
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

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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	531	0	0	0	531
	Female	84	0	0	0	84
	Others	0	0	0	0	0
PG	Male	51	0	0	0	51
	Female	51	0	0	0	51
	Others	0	0	0	0	0
Diploma	Male	0	0	0	0	0
	Female	0	0	0	0	0
	Others	0	0	0	0	0

<b>Provide the Following Details of Students admitted to the College During the last four Academic Years</b>					
<b>Category</b>		<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>
SC	Male	20	23	16	10
	Female	10	12	11	5
	Others	0	0	0	0
ST	Male	8	9	10	6
	Female	4	8	3	3
	Others	0	0	0	0
OBC	Male	58	62	48	36
	Female	20	21	24	9
	Others	0	0	0	0
General	Male	85	90	95	55
	Female	40	40	23	31
	Others	0	0	0	0
Others	Male	16	25	18	10
	Female	9	12	5	7
	Others	0	0	0	0
Total		270	302	253	172

### **Institutional preparedness for NEP**

1. Multidisciplinary/interdisciplinary:	<p>Vision of the Institute is “To attain highest level of excellence in education to create a sustainable society through innovative applications of technology and sciences ” Mission of the Institute is “To create an environment for learning that shall foster the growth of professionals who shall contribute to applications of technology and sciences in partnership with industry for welfare of the society. • As per JNTUH curriculum Choice-Based Credit System (CBCS) is followed based on the structure defined by Affiliating University. •Institution/department encourages students to do mini&amp; major projects in their interested areas that help society. • We empower the students to reach their pinnacle in careers as</p>
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	<p>engineers so as to expand the image of the engineering and technology profession. • To inculcate positive thinking thereby demonstrating the value of diversity and inclusion in society. • To impart skills and bring awareness about the latest technologies, industry requirements, and overall personality development. • To help students in having a career vision and nourish their Design and Innovative skills, paving the way towards a career in core companies. • To gain a competitive advantage by developing a technical skill set that is in demand. • To meet the demand for Business Entrepreneurs, Innovators, and Creative thinkers in Society. • To build relationships with industry and improve interdisciplinary training of technical skills, collaborate with training companies for domain specific employability.</p>
<p>2. Academic bank of credits (ABC):</p>	<p>Academic Bank of Credits (ABC) is a virtual/digital storehouse that contains the information of the credits earned by individual students throughout their learning journey. It will enable students to open their accounts and give multiple options for entering and leaving colleges or universities. There will be “multiple exits” &amp; “multiple entries” points during the higher education tenure &amp; credits will be transferred through the ABC seamlessly. ABC can be considered as an authentic reference to check the credit record of any student at any given point in time. Thus, the concept of ABC is fuel to boost the efficiency of faculty and help students embrace a multi-disciplinary educational approach. The idea is to make students “skillful professionals” and help their overall growth. In a crux, the Academic Bank of Credits will be a game-changer in transforming Indian education to a great extent. However, Arjun College of Technology and Sciences is affiliated to JNTUH wherein we follow the choice-based credit system defined by the University. Choice Based Credit System (CBCS) has been implemented from the academic year 2016-17 including Professional electives and Open elective courses in the curriculum to facilitate the multidisciplinary approach to engineering problem-solving. The students are given the choice to select the open elective/ professional elective subjects in association with NPTEL Courses(MOOCs) with a minimum of 8 weeks of courses that reflects in the credit-based system. The</p>

	<p>Structure of Assessments defined by the university is as follows: Theory Courses Two mid-exams(20) and assignments(5) are conducted that carry 25 marks each, in the semester as per the University norms. The average marks of the two mid-exams and assignments are taken as final marks. End Semester Examination will be conducted for 75 Marks. . For practical subjects there shall be a continuous internal evaluation during the semester for 25 sessional marks and 75 semester end examination marks. Out of the 25 marks for internal evaluation, day-to-day work in the laboratory shall be evaluated for 15 marks and internal practical examination shall be evaluated for 10 marks conducted by the laboratory teacher concerned. There shall be an UG mini-project, in collaboration with an industry of their specialization. Students will register for this immediately after III year II semester examinations and pursue it during summer vacation. The UG mini-project shall be submitted in a report form and presented before the committee in IV year I semester. It shall be evaluated for 100 marks. There shall be a seminar presentation in IV year I semester. The seminar report shall be evaluated for 100 marks. Out of a total of 100 marks for the UG major Project, 25 marks shall be allotted for internal evaluation and 75 marks for the end semester examination (viva voce) .</p>
<p>3. Skill development:</p>	<p>To strengthen the technical skills and soft skills of students, the Institute concentrates on the quality standards and does reviews periodically to update the academic programs through Value added /Add on courses, and technical training. To implement this, the Institute has made it a practice to enhance the career guidance and quality placement opportunities for students in line with the requirements of the industry and help in entrepreneurship. Along with the technical (Core) subjects, importance is given to life science &amp; Humanities. The subjects that are included in the curriculum are Environmental Sciences, Gen Professional Ethics, Disaster Management, and gender Sensitization, The Constitution of India, Entrepreneurship and Project management to address cross cutting issues. To enhance the skills of the students, internships and projects are allotted to the students based on their areas of interest.</p>
<p>4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using</p>	<p>Arjun College of Technology and Sciences is affiliated to Jawaharlal Nehru Technological</p>

online course):	University Hyderabad, wherein we follow the rules & regulations defined by the university. As there are no guidelines from the University, we do not strictly follow the bilingual mode, yet for the comfort of the students, some of the faculties try to follow the bilingual mode. students are motivated to join online courses on Indian culture and traditions.
5. Focus on Outcome based education (OBE):	<p>Outcome Based Education (OBE) is implemented in our Institute since 2017 since it lays emphasis on what is expected from the student when they finish their course. We strictly follow the NBA-defined Pos for our programs. For UG Programs, 12 well-defined Program Outcomes (POs) are adopted. A minimum of 2 Program Specific Outcomes (PSOs) are defined for all programs by the Institution. Course Outcomes(COs) are direct statements that describe the essential and enduring disciplinary knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course. The COs are based on Bloom's taxonomy. There is a minimum of 5 COs defined for each course and a maximum of 6. Course Outcomes are defined for every course of all programs of the institution. Course Outcomes are defined by subject handling faculty and Subject experts and approved in Department Advisory Committee (DAC) reviews. The Course Outcomes are then mapped onto Program Outcomes (POs) and Program Specific Outcomes(PSOs). Course End Survey is taken from the students at the end of the course, which helps to refine the COs further. The Institution follows the Outcome Based Education (OBE) guidelines and defines the course plan formulated by the College Academic Advisory Committee (CAC), consisting of the Head of the Institute and Heads of all departments of the institution for effective delivery. Based on the academic calendar of the university, all the departments prepare an activity calendar/academic calendar of the department as per the schedule given by the university along with other activities like remedial Classes, Industrial Visits, Guest lectures, Workshops, faculty, and student development programs. The process of attainment of COs, POs, and PSOs starts with writing appropriate COs for each course in the program. The course outcomes are written by the respective faculty member using action verbs of learning levels as suggested by revised</p>

	<p>Bloom's Taxonomy Predefined POs are collected. All the COs of every course is mapped with POs and PSOs. A correlation is established between COs and POs, PSOs on a scale of 1 (Low) to 3 (High).</p>
<p>6. Distance education/online education:</p>	<p>Arjun College of Technology and Science is affiliated JNTUH, Hyderabad, therefore we cannot offer distance education /online education on our own. Our Institution encourages faculty to adopt pedagogical methodologies. Apart from Chalk &amp; Talk and regular teaching methods, online teaching methodologies are given equal importance. Some of the methodologies are Microsoft Teams and Google Forms: Faculty used Microsoft Teams and Google classroom extensively to share notes, presentations, and student assignments. The tests exams and assignments were conducted using Google forms/classroom. Group Discussions: This involves discussion among a group of students to assess the application of various concepts to gain a better perspective on the merits &amp;demerits of the concepts. Interactive Seminars: During their presentation skills hours, each group in a class will prepare a recent research topic or technical facts and present it. Workshops/Guest Lectures/Seminars/Conferences: Workshops, seminars, and conferences are organized every year for gaining knowledge and to increase the research potential of the students and the faculty members. Working Models/Demos: Simple demo is given to illustrate the basic principles which are displayed in the laboratories. Project-Based Learning: In order to learn the practical courses more effectively, the students are instructed to do mini/major projects as per university rules. This method is extensively used to provide empirical evidence of the theory learned. Blended Teaching: Usage of Teaching aid Techniques such as video lectures, and power-point presentations are in use. We implement active learning strategies such as Collaborative and individual learning activities. Online Teaching: During the Covid-19 situation, faculty made a swift transition from classroom to online teaching by using online platforms like Microsoft Teams, ZOOM, and YouTube.</p>

**Institutional Initiatives for Electoral Literacy**

<p>1. Whether Electoral Literacy Club (ELC) has been set up in the College?</p>	<p>Electoral Literacy Club is a platform to engage students through interesting activities and hands-on experience to sensitize them on their electoral rights and familiarize them with the electoral process of registration and voting. ELC is set up by the college, the convener of the club is college AO A PALLAM RAJU. The student Coordinator of ELC Mr. GANJANABOINA SUMAN said the primary objective of the club is to sensitize the student community about the democratic programmes to create awareness. We conduct mock polling activities to give the experience-based learning of the democratic setup. We also conduct cartoon drawings, debates, mock parliaments, elocution, essay writing, and other programmes which create awareness regarding electoral procedures.</p>
<p>2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?</p>	<p>Electoral Literacy Club is set up by the college, the convener of the club is college Administrative Officer A PALLAM RAJU. The student Coordinator of ELC Mr. GANJANABOINA SUMAN. Graduate Teacher Constituency voter awareness &amp; registration drive conducted in the college premises. Students Above 18 years are guided to Fill form 6 online. They were educated about the supporting documents required to register as a voter.</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>1. Our students participate in Voter Awareness Campaigns aimed in educating the public in the nearby villages. 2. Our students assisted state administration in conducting electoral voting process. 3. Conducted a survey to know how many are still to register for voting and guided them for registration.</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>The ELC takes initiatives that are socially relevant to electoral related issues especially awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes. 1) To educate the marginalized societies and transgender about the importance of voting. 2) To educate everyone in to participate in electoral voting process to make the</p>

	voting percentage 100%.
<p>5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.</p>	<p>The students above 18 years who are to be enrolled as voters are sensitized about democratic rights which include casting votes in elections. We conduct mock polling activity to give the experience-based learning of the democratic setup. 1. Student coordinator took the responsibility of registering all the eligible voters in the campus. 2. College provided all the necessary help to accomplish the task.</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
960	806	631	440	529

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: 218

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
109	90	94	106	103

### 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
127	161	138	185	165





## 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:

1. Arjun College of Technology and Science (ACTS), Batasingaram was established in 2005. It is approved by AICTE and affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH).
2. The institute offers five undergraduate engineering programmes in Civil Engineering, Electrical and Electronics Engineering, Electronics and Communications Engineering, Computer Science Engineering and Computer Science Engineering (Artificial Intelligence & Machine Learning) with a yearly enrolment of 300 and a PG programme, Master of Business Administration with an enrolment of 60 students.
3. The institute facilitates curriculum implementation as per the affiliating university, JNTUH.
4. The subject workload is distributed to teachers based on their specialization and experience. They prepare teaching schedules, course files and subject files which are endorsed by the Head of the Department.
5. Apart from black board and chalk, the teachers are encouraged to use innovative methods like usage of ICT tools to promote effective delivery of information to the students.
6. Bridge courses are conducted for lateral entry students.( Students admitted to second year after diploma)
7. The syllabus coverage takes place as per JNTUH academic calendar.
8. The institute prepares a calendar of events by keeping the JNTUH academic calendar in view.
9. A Class review committee consisting of the head, academic coordinator, and class coordinators meets periodically with the student representatives to solve the issues related to syllabus coverage and problems in academics.
10. A Counseling System (mentor- mentie system) exists to monitor students social, emotional competencies, personal and professional problems. Each teacher acts as a counselor (mentor) and monitor 15 students.
11. Internal evaluation (25%) is as per the norms of JNTUH. The average of two internal exams, each with 10 marks for subjective evaluation, 10 marks for objective evaluation and 05 marks for assignments is considered for internal assessment. The external exams are evaluated for 75 marks (75%) by the university end examination.
12. Slow learners are identified through mid exam result analysis and remedial classes are planned for them.
13. Evaluation of teaching-learning process is through a review meeting of the Institute Academic Committee after the first mid examination in each semester.
14. Student progression is monitored by communicating the attendance and marks to parents through phone calls and whatsapp groups, which is an initiative of ICT enabled teaching-learning process by our staff and students.
15. Parent Teacher meetings are conducted once in a semester to make the parents aware of their ward's performance.

16. Student evaluation of teacher's performance on a 10 point scale is collected at the end of each semester. Quality enhancement measures like special training, encouraging them to attend faculty development programmes etc are adopted for teachers who score below 6.
17. Employability skills of students are enhanced through Training and Placement cell (T&P cell). Real-world life experiences are taught to students by inviting guest speakers both from the academia as well as industry.

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

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

Response: 82

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

### 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: 79.29

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

2021-22	2020-21	2019-20	2018-19	2017-18
692	659	520	382	416

File Description	Document
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:

Apart from professional progression, students need to be trained to become responsible for the society in which they live. Gender equality, Conservation of environment and sustainability, Constitution of India, Intellectual Property Rights, Human Values and Professional Ethics are courses that help prepare students for a life of social responsibility. JNTUH has duly introduced these courses into its curriculum and the institute is promoting their effective delivery. The curriculum is being implemented with the help of teachers who are trained at workshops held at the University level. Teachers use ICT enabled classes for effective delivery of such value-added courses. Student activities like NCC/NSS are also included in the curriculum as mandatory courses.

S. No	Value Added Course	Branch	Year
1	Environmental Science	CE, EEE, ME, ECE, CSE, CSE(AI&ML)	I-I, I-II
2	Disaster Management	EEE, ME, ECE, CSE	III - I
3	Gender Sensitization Lab	CE, EEE, ME, ECE, CSE	II - II
4	Environmental Science and Technology	CE, EEE, ME, ECE, CSE	II-I, I
5	Gender Sensitization Lab	CE, EEE, ME, ECE, CSE	II-I, I
6	Constitution of India	CE, EEE, ME, ECE, CSE	II-I, I
7	Professional Ethics	CE, EEE, ME, ECE, CSE	III - I
8	Intellectual Property Rights	CE, EEE, ME, ECE, CSE	III-I
9	Professional Practice, Law & Ethics	CE, ECE	IV-I
10	Disaster Preparedness & Planning Management	EEE, ME, ECE, CSE	III-II

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

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

Response: 71.25

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

Response: 684

<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>

## 1.4 Feedback System

<p><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></p> <p><b>Response: Yes</b></p>	
<b>File Description</b>	<b>Document</b>
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:** 65.75

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

2021-22	2020-21	2019-20	2018-19	2017-18
270	302	253	172	147

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

2021-22	2020-21	2019-20	2018-19	2017-18
360	360	360	360	300

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

#### 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:** 64.71

##### 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
129	151	127	78	78

##### 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
180	180	180	180	150

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:** 8.81

## 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:**

- Student centric method of teaching is the most approved pedagogy followed by the institution.
- The institution takes appropriate measures to cover the syllabus and also improve the student's general academic knowledge and technical skills. The traditional method of teaching is supplemented by experiential learning and participative learning.

The entire campus is Wi-Fi enabled. It helps the faculty and students to familiarize with digital libraries, ICT, NPTEL video lectures and registering for MOOCS (Massive Open Online Courses).

- Students are given case studies and problem solving topics to encourage them to think out of the box.
- Class seminars and peer reviews are encouraged to cultivate the habit of independent and collaborative learning.
- The students are made to learn content beyond the syllabus to keep them abreast of trending areas in the industry.
- Students are given independent skill based responsibilities like organizing Technical events, Cultural Fest and Food Fest within the campus. This inculcates the students to attain leadership qualities, organizing abilities and team building capacity.

- Eminent personalities from academia and industry are invited to supplement the theoretical knowledge of the students with their practical experience.
- Students are guided by the faculty on various career prospects, competitive examinations and selection of special choice based subjects in the beginning of the academic year.
- The institute has various clubs to promote independent learning such as Student Activity Centre and Photography Club.

Educational tours are organized by all departments.

- The teachers as facilitators interact and encourage the students to come up with innovative ideas in the class.
- The students are encouraged to prepare models, charts, collages and they are displayed on the notice board or kept for view of other students at a noticeable spot in the campus, for the motivation of other students.
- The students are encouraged to attend in house and inter - collegiate technical symposiums, workshops, seminars and present technical papers in these events.
- Students are encouraged to do live Industry Oriented Mini Project and Project work as part of the fulfillment of the course work, which is mandatory.
- Add on courses in the University curriculum are given as extra subjects to the students who are ready to empower themselves for the industry.
- Students are taken on industrial visits to get hands-on experience and clarify their doubts on the emerging technologies in their areas of interest.
- Group discussions, JAM, technical quiz, programming contests are conducted to promote academic excellence and psychological relaxation to the students through department associations.

The students are encouraged to attend workshops and conferences.

Students are encouraged to take up engineering projects in community service.

The students are encouraged to design their own applications using the available equipment in the laboratory and software.

The faculty motivates the students to participate in model making, paper presentations, software contests to nurture critical thinking and various co-curricular activities in various events organized in and outside the college.

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

## 2.4 Teacher Profile and Quality

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

Response: 100

#### 2.4.1.1 Number of Sanctioned posts / required positions for teaching staff/ full time teachers year wise during the last five years:

2021-22	2020-21	2019-20	2018-19	2017-18
109	90	94	106	103

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

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

Response: 8.96

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

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



<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

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

#### **Response:**

The Internal Assessment system is carried out in a systematic manner and is transparent. Theory courses, Laboratory courses, Seminars and Project works are evaluated internally.

During the induction program, the first year students are oriented by the personnel from the exam cell regarding the evaluation system (both internal and external). The changes in evaluation system, if any, are communicated to the students.

A detailed academic calendar is available on the website and notice-boards of the Departments. Thus, students know about the dates of examinations well in advance and they can plan their study accordingly.

Students are made aware of various parameters of Internal Evaluation system. The internal marks are based on the mid tests and Assignments for theory courses.

Different faculty members may teach the same course for different section/branch students. In such cases, internal question papers for descriptive examination are collected separately from each faculty member and selected one among them before the start of the examination. The answer scripts of internal examinations are shown to the students after evaluation to bring out discrepancies, if any, to the notice of teacher concerned, and the necessary corrections are carried out.

For the Assignment test, five questions are given to each student well before the mid examinations. They need to refer various text books and other resources, answer them and submit to the respective faculty member before the commencement of mid exams. They are evaluated by the respective faculty members and shown to students to bring out discrepancies, if any, necessary corrections are made and marks are noted. The assignment scripts are returned to students for further reference.

In laboratory courses, day to day evaluation is done in each laboratory session and marks are posted in the students' record book. The consolidated list of marks in each midterm exam is displayed in the notice boards and same is communicated to the parents.

#### **Continuous assessment in Practical Subjects:**

For practical subjects of both Under Graduate programs (R15, R16 and R18) and Post Graduate program

(R17), the institute conducts continuous internal evaluation during the semester for 25 marks. Day- to-day evaluation is carried out for 15 marks and internal practical examination for 10 marks at the end of the semester. The External laboratory examination for UG is conducted for 50 marks as per R15 regulation and 75 marks as per R16 and R18 regulations. For PG, it is conducted for 75 marks.

### Continuous assessment in projects:

For Project Work, the institute follows the guidelines prescribed by the affiliated University. Department Project Review Committee (PRC) consisting of head of the department, project coordinator and two senior faculty members conduct two review meetings for the continuous assessment in project work and evaluate for 50 marks. The university appoints the external examiner for conducting end semester project work evaluated for 150 marks.

The students' performance in **Seminar and Comprehensive Viva** are evaluated based on the parameters like, communication skills, use of modern tools, critical thinking skills, problem-solving skills, ability to work in teams, leadership qualities etc.

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:

The curriculum for each program is provided by JNTUH, Hyderabad. As the institute follows outcome based education, Course Outcomes (COs) are defined for all the courses in the curriculum by each department.

The Program Outcomes (POs) are defined by National Board of Accreditation (NBA), New Delhi and are to be fulfilled by all the programs in higher education. There are twelve POs defined by NBA and the institute follows the same. Program Specific Outcomes (PSOs) are defined by individual programs.

The POs, PSOs and COs are disseminated to all the stakeholders through various means. POs and PSOs are displayed on institute's website, various places of the campus like class rooms, corridors, Laboratories, Faculty rooms, etc., and printed on Student handbooks, lab manuals, course files, project reports, institute/department newsletters, etc.

The following platforms are used to disseminate the POs and PSOs to the stakeholders.

Induction Program / Orientation Program – Students and Parents Parent Teacher Meeting – Parents

Campus Recruitment Drives – Employers

Alumni Meet - Alumni

Symbolically through Newsletters, Technical Magazines, etc.,

The COs are published on institute's website and disseminated to students through course coordinators and lesson plan.

#### **COs are made available and communicated to teachers and students via**

- Institute website
- Course File
- Announcements to the students during the beginning of each semester and throughout.
- Discussions by faculty in the departmental meetings.
- Faculty discussing CO's during department events.
- Course exit surveys.
- Course hand book

The POs, PSOs of all the programs and COs of all courses of R16 regulations are provided in additional information.

skills and behaviour that a student should be able to demonstrate .

The course outcomes for each course are prepared by the course coordinator. For every course, 4 to 6 COs as recommended by NBA are drafted addressing most of the applicable levels of Blooms Taxonomy incorporating knowledge, skill and attitude. These COs are modified and reframed, in accordance with the changes in Curriculum and revised as per the need from time to time. These COs are discussed and finalized in the Board of Studies (BoS) of the respective programmes. The average mapping of Program outcomes for the given program is obtained by averaging the levels of mapping for each of the courses. Similarly the averaging is done for Program specific outcomes as well.

These COs , POs and PSOs are circulated to all the students and staff through conference brochures, proceedings and Faculty Development programs.

<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>

#### **2.6.2 Pass percentage of Students during last five years**

**Response:** 55.69

**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
90	120	105	94	115

**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
366	174	153	113	135

File Description	Document
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:** 3.87

File Description	Document
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:** 15.85

**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
7.8	8.05	0	0	0

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:**

**Response:**

ACTS has initiated an innovative ecosystem to inculcate research activities among students and faculty. Keeping in line with Digital India Policy for nurturing young minds and making them industry ready, the institute has established an Incubation Centre, Institution innovation Cell, Research & Development cell, entrepreneurial development cell, Intellectual Property Rights (IPR) cell, Centers of Excellence and MOUs used with different organizations.

**Institution Innovation Cell:**

It is thus envisaged to network people, ideas, experience, and resources to motivate the innovation community in the college. This cell helps to nurture the students' ideas and encourages them to bring up business proposals. The Innovation Cell may facilitate even in getting funds for the project.

The main aim of this Cell is, thus, to create intuition in terms of creative design ideas in various fields of engineering in an aesthetic approach. Innovation Cell will assist students and also encourage young talented minds by providing them with a perfect platform for showcasing their talents, working together as

teams, and participating in various competitions. It will also serve to provide the students with a platform to excel in their specialized areas of interest.

#### **Incubation Centre:**

The objective of setting up an incubation Centre is to give life to the student's ideas. These ideas could be implemented by efficiently utilizing the available resources. Faculty proactively guides and motivates the students in developing their ideas.

#### **Entrepreneur Development Cell (EDC):**

The aim of EDC is to set up a platform for aspiring entrepreneurs. This cell organizes seminars, and workshops to enhance the skill set of the students. This also helps the students in acquiring the knowledge to establish collaboration with different industries. ACTS, EDC works with an objective that promotes the students as a job creator than a job seekers. EDC conducts training programs for students to make them aware of the required statutory/ regulatory procedures for starting a business.

#### **Intellectual Property Rights Cell (IPR):**

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

#### **Research and Development Cell:**

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

#### **MOUs:**

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

#### **Centre of Excellence**

The institute has established the following centers of Excellence-

? **Center of Excellence for Skill and Personality Development Centre (SPDC):** This center provides skill and personality development programs for students from SC/ST backgrounds.

? **Departmental Centre of Excellence.** Every department has a center of excellence for the benefit of the students.

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:** 28

#### **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
05	06	08	05	04

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:** 0.67

#### **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
25	14	42	32	34

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:** 0.33**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
62	09	0	0	0

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:****Response:**

The institute's vision is "*To attain highest level of excellence in education to create a sustainable society through innovative applications of technology and sciences to develop professionals with strong ethics and human values for the betterment of Society*". Institute nurtures the students in all aspects through NSS activities conducted. The institute encourages the students to participate in extension and outreach programs and enriches them with social values and responsibilities. The Institute encourages the active participation of the students as well as the faculty in the service-oriented programs. For the overall development of the student, the institute encourages them to participate in cultural and sports activities.

**Activities for Orphans/underprivileged students:**

Every year Department conducted several activities and welfare programs for the orphan students nearby to the Institution. Departments also organized several technical workshops in the schools located in the villages. The Impact of it is that school children are motivated to learn technology.

**National Service Scheme (NSS)**

The NSS cell of our institute conducts many extension activities for the betterment of the neighborhood community in addressing their social issues. The NSS Cell maintains its social cohesiveness through extended activities through camps and activities. Days are celebrated like Swachh Bharat, Women's Day



Celebrations, Tree plantation, Water conservation, Voters Day, National Integration Camp, Girl, and women safety programs, Save environment programs, Self Defense programs for girls. The institutes conducted extensive health camps such as Blood Donation Camps and Health Awareness Programs (Such as AIDS, HIV, Covid-19, and Kill Cancer programs). The institute also visits orphanages, old age homes, homes for the blind, Say no to Tobacco and Drugs etc., to cheer them.

### Impact of the NSS Activities

? The college campus and the surrounding neighborhoods are spick and span as the result of swatch Bharat, Har Ghar Tiranga initiative under Aazadi ka Amruit Mahostov.

? By conducting health awareness programs there is a significant decline in the spread of diseases.

? There is a notable increase in the number of camps being conducted and a significant increase in the number of participants at these camps every year.

? The programs conducted on child health, Girls' and women's safety increased the confidence levels in girls and women and made them emotionally and physically strong. The programs conducted on health awareness have improved the health of the surrounding community of ACTS.

The Institute received appreciation and recognition from various organizations like NGOs and Orphanage for the activities conducted for the holistic development of the neighboring community.

File Description	Document
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:**

**Response:**

The aim of the Institution is to provide the right environment for physical, intellectual, social and boost the moral of students and staff, and to become good citizen. 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 NSS unit of Institution intended to involve the students in a variety of social service and developmental activities concomitantly with the normal academic programme.

Institute received following awards for extension activities from Government/recognised bodies.

Name of the Activity	Award/ Recognition	Name of the Award Agency
COVID-19 Awareness	&Certificate of Award	Gram Panchayat Batasingara

Precautionary Measure Camp		Abdullapurmet, Mandal	
Women Empowerment		Gram Panchayat Batasingaram	
Games & Sports Meet		ZPHS Batasingaram, Abdullapurmet Mandal	
Yoga Day Celebrations		ZPHS Batasingaram, Abdullapurmet Mandal	
Awareness of Environment Cleaning and Greening		Gram Panchayat Batasingaram	
Blood Donation Camp& Eye check-up Camp	Certificate of Award	Gram Panchayat Batasingaram Abdullapurmet Mandal	
Household Survey and Energy Audit		Z P H S Batasingaram Abdullapurmet Mandal	
Tree Plantation at Z.P.H. School			
Free Distribution of Masks, Sanitizers and Food		Gram Panchayat Batasingaram Abdullapurmet Mandal	
Health Check Camp		New Shadow Hospitals, Abdullapurmet	
Free Distribution of Masks, Sanitizers and Food			
Free Distribution of Masks, Sanitizers and Food		Gram Panchayat Batasingaram Abdullapurmet Mandal	
Household Survey and Energy Audit	Certificate of Award	Gram Panchayat Batasingaram Abdullapurmet Mandal	
Tree Plantation at Z.P.H. School		Z P H S Batasingaram Abdullapurmet Mandal	
5k Run		New Shadow Hospitals Abdullapurmet	
Yoga Day Celebrations		ZPHS Thupranpet Choutuppal	
Save Electricity Save Water		Z P H S Batasingaram Abdullapurmet Mandal	
Relevance of Plantation to Eliminate soil erosion		Z P H S Batasingaram Abdullapurmet Mandal	

Blood Donation Camp Eye Check-up Camp	Certificate of Award	Gram Panchayat Batasingaram	
Yoga Day Celebrations		ZPHS Thupranpet Choutuppal	
Haritha Haram at Z.P.H.School		ZPHS Thupranpet Choutuppal	
Eradication of Child Marriages		Gram Panchayat Batasingaram	
Relevance of Plantation to Eliminate soil erosion		ZPHS Thupranpet Choutuppal	
Blood Donation Camp & Eye Check-up Camp	Certificate of Award	Gram Panchayat Batasingaram	
Health Check-up Camp		ZPHS Thupranpet Choutuppal	
Health Check-up Camp		ZPHS Batasingaram, Abdullapurmet	
Tree Plantation at Z.P.H. School		ZPHS Batasingaram, Abdullapurmet	
Yoga Day Celebrations		ZPHS Batasingaram, Abdullapurmet	
Swachh Bharath programme		Gram Panchayat Batasingaram	
Awareness program on Girls Educations		Gram Panchayat Batasingaram	
Awareness program on Women Safety		ZPHS Batasingaram, Abdullapurmet	
Voters Day Celebration		Gram Panchayat Batasingaram	
<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>		

**3.4.3 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:** 36

**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
05	04	08	09	10

<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>

### 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: 29**

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

Arjun College of Technology and Sciences is having a sprawling campus spread over 10 acres land with adequate and modern infrastructure. The supporting facilities in the campus are developed to contribute for an effective ambience in curricular, co curricular and administrative activities.

The following facilities are present which augment the academic activities.

- Each department has separate classrooms (Total 36 Classrooms, 10 Tutorial Rooms, 2 Drawing Halls), HOD room, meeting room and department library. However, department libraries cater to the reference needs of the faculty community.
- All the departments have well-furnished separate cabins for the faculty members with LAN connections, in addition to the Wi-Fi facility all around the institution.
- Computer laboratories with internet connection in the departments for the benefit of the students.
- Online education / Examination support system with sufficient computers to enable students to carry out their academic activities in an efficient manner.
- Two Workshops and 48 Laboratories with advanced software, equipment as per the norms of JNTUH and AICTE. laboratory manuals are made available in all laboratories and students are given freehand under qualified and skilled lab assistants supervision to execute the laboratory experiments within the syllabi and also experiments beyond syllabi.
- In addition to the Open-Air Stage which can accommodate around 2000 gathering and 5 seminar halls of seating capacity 200 students, provided with LCD projector and audio/ video system which are used for conducting guest lectures, conferences and symposiums.
- Central Library with 36000 volumes. Digital library with online journals, DELNET and NPTEL Lectures 150 seating capacity including Digital Library.
- A Research Centre is established to enable the students and faculty members to undertake research oriented Project works.
- Separate examination cell with high speed internet facility to enable online distribution of Examination Papers, Servers, Xerox machine along with adequate stationary required for the conduct of CIE and external Examinations.
- Principal Office, account section with adequate furniture and accommodation to support crowds during peak hours.
- Placement wing with an accommodation to conduct training and placement activity, Career guidance to guide the students for employment / Higher studies after the graduation.

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:** 9.79**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
14	15	16	16	15

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:**

- The central library of Arjun College of Technology and Sciences has a total area of 920 sq.m. and has special designated areas for normal use as well as for reading. A total of 36000 volumes, 6084 titles, print journals around 100, approximately 1200 e journals, 500 e books and approximately 100 rare books are available.
- Well-designed infrastructure with a reading capacity of 100 students is established. Each student gets 3 to 5 text books for 15 days period on renewal basis. ACTS provides book bank facilities to the students for each semester.
- Security of resources is ensured through a system of checking at the exit point for all resources borrowed by the users. Visitors are also required to sign noting the time of entry and exit. CCTV cameras are installed in the library for strict surveillance.
- Library Committee of the college in which there are seven faculty members of the college with Principal as chairman and Librarian as the convener of the committee. The committee focuses on expansion, purchase of new books and library reforms.
- The librarian makes all efforts to acquire useful books including rare books, reports, thesis, and other knowledge resources to enrich its collection.
- Students can make use of all resources in the library like reference & text books, journals

The collection of the rare books provides knowledge bank to the students and faculty members with the

content beyond syllabi in the field of their research and academic interest.

- The library has taken up the process of digitalization of books. General library has been upgraded by the acquisition of computers, printers and photo copy machine.
- The library is computerized and efforts are on to deliver library services in an online manner.
- The students are able to borrow books for the entire length of a semester so as to help them study. Library provides books to students by maintaining bar coding system so that the students are benefitted throughout the academic year.
- Apart from the systems in the digital library there are 4 computers connected to broad band internet connection for recording the transactions of the library to library Management System (NEW-GEN-LIB software). The college library follows set norms of the competent authorities.
- The Digital Library is an additional facility for the benefit of the students and faculty consisting of NPTEL Video Lectures taught by many IIT and NIT Professor, PPTs, Course Material Files e-journals, e-books, GATE books, Handbooks, Projects, PDF Notes, Instructional guides, CDs etc.
- The selection of current titles and other reading materials is proposed and suggested by
- subject specialists of the individual departments.
- Library Management Software is followed with advanced query and search options for the affective management of library in-terms of accessibility, security and reference of text books, journals and other unique reports.

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:

- The institute aims at providing the Best facilities to students so that they can optimum utilize the available resources. The institution frequently updates its IT facilities to provide the state-of-the-art infrastructure to students.
- Around 50% classrooms have been equipped with LCD projectors and most of them are supported by audio visual systems. Mobile LCD / AV Facility is provided where ever required.
- The entire campus is under the surveillance by CCTV cameras. This is monitored by a skilled Hardware engineer with an output with Principal.
- The college is facilitated with Networked computers that are accessible to the students as well as the teachers for academic purposes.
- Printers have been arranged in the offices, laboratories, exam branch, and staffrooms. A total of 30 printers are arranged in the campus for smooth functioning. Wi-Fi and routers are arranged in the college. Students are given limited accessibility based on their academic requirement.
- There are 25 Systems in the library for the Digital Library and library automation service usage.

The facility makes the students to find the books easily.

- Complete information about the upcoming events in the institute is made available in the website so that students can have more access to information about the events. Information about the events including time, date, topic and other details like photographs and students PPTs are uploaded in the website / ECAP.
- Institute communicates the events and other academic information to parents through website so that they can come to know about the events being conducted in the campus.
- Academic calendar and other related information is uploaded to the website and made available from the beginning of the academic year.
- The institute has well equipped exam branch. The students are informed about their progress and awarded marks are posed for their information. The progress of every student is also sent to parents through SMS / WhatsApp / Mail.
- HODs are given access to ECAP software for effective counseling of the students.
- All the laboratories in the institution have been updated at regular intervals with annual general maintenance and emergency maintenance based on need to support students' learning process more flexible and effective.
- The computer laboratories are upgraded periodically with required accessories As per the syllabus updating, the required software is installed. As per the guidance of AICTE effective use of open source software is encouraged. However where ever necessary, Licenced software is made available as per the recommendations of the university BOS.
- The internet bandwidth connectivity is upgraded based on the requirement to provide the quality internet connectivity. Wi-Fi Access Points are provided for the entire campus and it is minted by two expert Hardware Engineers. Anti-virus software is installed to ensure better security and performance.
- A dedicated team with in-house staff is formed to take care of IT and related needs of the campus  
Software Development,
- Hardware and Networking maintenance,
- Website designing and hosting
- SMS solutions

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:** 3.56

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

**Response:** 270



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:** 36.08

**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
52	62	44	54	68

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:** 72.85

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
573	459	464	433	523

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:** 63.4

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
715	557	343	260	259

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:** 81.49

##### 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
90	91	86	64	96

##### 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
90	120	105	94	115

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:** 100

**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
3	6	3	2	3

**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
03	06	03	02	03

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:** 35

**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
12	00	12	03	08

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:** 3

#### 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
03	00	06	03	03

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:**

#### AIM of Alumni Association

The concept of Alumni association evolved for the needs of both ends, i.e. academicians and professionals, with the aim of building a bridge between college life and career life, so that the fresher graduates are made proactive to face the current challenges of the competitive professional world. Both ends work hand in hand to help each other for achieving the goal. The institution formed an Alumni association.

The College has established Alumni Association. The Alumni Association is registered under Societies Registration Act 1860.

Alumni Association meetings with Management and staff are periodically conducted in the college and at other important places including Hyderabad. It functions effectively.

### **Mission**

- To re-unite in the alma mater from where students grew and flew off.
- To build a bridge between college life and career life, so as 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 provide job opportunities to fresher bachelors through references to enhance their skills.
- To conduct orientation and training programs for students on various topics.
- To create awareness among students about the scope of their subject in their professional world.

### **Objectives of the Alumni**

- To provide a Forum for members of the Society to interact.
- To achieve a high degree of belongingness with the College and the Society
- To foster a feeling of brotherhood and friendship amongst the members of the Society.
- To enroll the members from time to time and keep them abreast with the activities of the Society and the College.
- To provide adequate avenues for drawing upon the knowledge and expertise of the alumni for furthering the cause of the College to attain a good position and influence in the academic, social, and business world.
- To foster communication amongst the alumni and to promote relations through interactive meetings and get-togethers.
- 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 our students in reputed organizations.
- To encourage a spirit of loyalty, friendship, service, and benevolence among members of the Society.

The Alumni who have acquired high positions in several fields. Alumni motivate students and provide counseling to students for seeking career opportunities. Institute along with alumni discusses with other stakeholders on various matters and academic performance and the alumni feedback is obtained for improvement in quality. On the basis of feedback obtained from alumni, the college modifies and updates all the academic activities. The financial assistance is contributed to the welfare of students such as gifts for rank holder students and achievers. Initiatives have been taken recently by the Principal to attract Alumni to come forward to conduct campus interviews from corporate sectors, IT companies, and other organizations for providing job opportunities and placement of current students. In terms of money, Alumni contributed a sufficient amount of money to Institute Alumni Account.

File Description	Document
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:**

The institution has a well-structured organization chart to achieve the Vision and Mission of the institution

**Vision**

To attain highest level of excellence in education to create a sustainable society through innovative applications of technology and sciences

**Mission**

To create an environment for learning that shall foster the growth of professionals who shall contribute to applications of Technology and sciences in partnership with industry for welfare of the society.

**Quality Policy**

"We are committed to impart quality technical and management education as per needs and expectations of the students." The Governing Body (GB) is the highest body in the hierarchy and is also the primary body in the decision making and governance of the institution. This body is constituted of the Chairman and Secretary of the society, Principal as Member Secretary, JNTUH nominee, Educationalist, Industrialist, faculty member, or any other management member as per AICTE guidelines.

College Development Committee (CDC) is another body that involved all the above members along with the IQAC Coordinator. Strategic plan framing involves a bottom-up approach with all stakeholders participating and suggesting the necessary incorporations or amendments which has to be implemented as ensured by the CDC & GB.

The Governing Body ensures truly democratic, decentralized, and transparent governance with the involvement of all faculties, committees, finance department, controller of Exams, TPO, and Heads of various committees. The GB & CDC reviews the TLP, and quality measures and is prominent in making overall decisions for the growth of the organization. Meetings are held regularly to discuss all matters related to the development of faculty, students, and overall college progress. The GB & CDC timely monitor the quality initiatives and activities through Internal Quality Assurance Cell (IQAC). IQAC conducts audits, awareness programs, reviews of TLP, feedback analysis, student surveys, and Training programs for faculty and staff Periodically. The purchase committee of the college look into decisions of purchase, and upgradation of infrastructure. Institute firmly believes in the growth and development of the institution achieved through good governance and participative management of all stakeholders and also maintains transparency and confidentiality. Good governance involves decentralization and delegating



responsibilities to Deans, Heads of the Department, various committee members, and administrative staff. This ensures participatory management and active involvement of all staff members through various committees and statutory bodies.

The Principal, Deans, and Heads of departments delegate responsibilities involving administrative and academic activities.

Decentralization is implemented through various committees, along with the involvement of stakeholders for framing guidelines, mission, vision, and Quality Policy. The performance of the institution, decision making, and policies are instantiated by the GB members with the involvement of all stakeholders. The top down approach of the governing body focuses on the development of the institution with the active involvement of stakeholders at all levels.

The institution also practices transparent governance by including minutes of meetings in the Institute website. The organization chart depicts the delegation of roles and responsibilities adhered to by every member of the hierarchy.

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:**

Institute has a well-defined hierarchy and organizational structure for effective decision-making and policy framing.

The Principal the head of the institution along with experts in prominent positions in the hierarchy are responsible for decision-making, and policy framing. The Principal, Dean, HoD along with faculty members are involved in reviewing the progress of the institution participative management is practiced by constituting various Committees involving faculty. The management has always welcomed the views and suggestions expressed by the faculties in taking the institution ahead. The institution has a number of Committees for decentralized management activities for smooth functioning and effective learning for the students. The presence of the faculty and student can be found in all the following Committees.

- 1.Grievance redressal policy
- 2.Student Mentoring Policy
- 3.IQAC policy
- 4.Green Campus Policy
- 5.Policy on Internal and External Financial Audit
6. College Academic Committee
- 7.Internal Complaint Committee (Women's Grievance Cell)
- 09.Training & Placement Cell
- 11.Sports & Games Committee
- 12.Industry Institute Interaction Cell
- 13.Anti-Ragging Committee
- 14.R&D Cell (Research Steering Committee)
15. Alumni Committee
- 16.ICT Committee
- 17.Student Council Committee
- 18.College Magazine Committee
- 19.Purchase Committee
- 20.Maintenance Committee
- 21.Faculty Self-Appraisal Committee

Service Rules, Recruitment procedures, and Promotion Policies are provided in the Service and Conduct Rule Book. Achievements of the staff are recognized with financial and nonfinancial incentives.

The Grievances of the staff are redressed timely to keep their motivation all time for their performance efficiency and satisfaction. Institutional Strategic/perspective/development plans are prepared and approved by the GB and is adopted to achieve the goals mentioned below. The goals and action plans are aligned with the Institute's Vision and Mission. College Academic Committee discusses and executes developmental issues and best practices that positively impact the teaching-learning process and corrective measures for performance improvement.

**Short-term goals: (2021-2026) (5 years)**

To appoint more good quality Ph.D. faculty

Quality assurance and endurance through Accreditation by ISO, NAAC, and NBA

Academic excellence by achieving by 100% pass in the Examinations

Encouraging student participation in co-curricular and extra-curricular activities.

Honing the life skills of the students

To conduct value-added courses for students on content beyond syllabus and Industry requirements.

Arranging 100% placements for students

Organizing programs on Entrepreneurship development.

**Long-term goals: (2021-2031) (10 years)**

To be an Autonomous Institute with excellent grade

To attain the status of Centre of Excellence in Technical Education and Research

To offer viable programs of relevance for the upliftment of rural students

To develop a strong Research & Development Centre

To develop an Innovation and Incubation center

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 measures are provided for the teaching and non-teaching faculty to ensure their well-being and value their contribution towards the progress of the institution

**Teaching Staff:**

Providing training to teachers for excellence in upgrading their credentials and skill sets.

Motivating Faculty for pursuing higher education.

Sponsoring Faculty & staff for attending workshops, and conferences at the national level by granting academic leave and financial assistance.

The salary is directly credited to the employee's bank account

Faculty members are encouraged/ assisted to undertake professional body membership for active involvement

Organizing FDPs periodically and regularly.

Systematic organization of professional society activities.

Duty leaves for attending University and Institute level assignments.

Support in the development of teaching and non-teaching staff.

Provident Fund, Group Insurance, and Gratuity for eligible Faculty.

Medical facility is available to meet medical emergencies on campus.

Medical leave for hospitalized staff members.

Maternity leave benefits, Paternity leaves, and bereavement leave to faculty & staff.

If the staff members meet with an accident, financial assistance is provided.

Baby care center is available to meet the requirements of infants for working women.

**Non-Teaching Staff:**

Festival advance as and when required.

Group insurance is available.

Crash Course in Computer Basics for the interested Supporting Staff.

Casual Leaves are provided for all the Supporting Staff.

The self-appraisal form is filled by the individual staff members and is further forwarded to

IQAC/HOD/Principal and management for evaluation.

Assessing the performance is based on the following performance indicators: -

The aim of appraisal of faculty performance is to ensure that the program objectives are served best. The following methods are practiced in the college, among other informal ways:

1. Course Monitoring

2. Student Feed Back

3. Annual Faculty Performance Appraisal

The institution organizes short-term training programs, and guest lectures, FDP's to strengthen the potential of staff which ultimately aids in strengthening the performance of every individual in the organization.

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:** 62.55**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
64	61	63	63	63

**File Description****Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), professional development /administrative training programs during the last five years****Response:** 57.04**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
60	63	63	63	63

**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
9	9	9	9	9

**File Description****Document**

Upload supporting document

[View Document](#)

Institutional data in the prescribed format

[View Document](#)

## 6.4 Financial Management and Resource Mobilization

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

**Response:**

The Institute has effective strategies to monitor the efficient utilization of financial resources. The financial budget pertaining to the functioning of the college is prepared in due consideration of the probable expenses incurred and incomes mobilized. The Institute ensures that expenses are incurred for the purpose of implementing institutional plans. Each Department prepares the budget based on the requirement such as equipment, computer as well as consumables required for the next academic session. The principal puts up the budget in Governing Body (GB) meeting for approval. Quotations are invited, evaluated, compared, and discussed with suppliers and orders are placed. The payments are released after the delivery of the respective goods it is done as per the terms and conditions.

**Mobilization of funds and its optimal utilization:** Major income is obtained from tuition fees of students.

Funds are optimally utilized in conducting -Professional development activities.

Research/publication/staff welfare schemes.

Maintenance of Campus infrastructures.

Training programs/ Academic activities/ Annual fests

Laboratory maintenance

Purchase of licensed software

Internet charges

Laboratory Equipment & Laboratory Consumables

Furniture & Fixtures

Repair & maintenance

Stationary & Printing

Adequate funds are allocated for quality initiative programs like workshops, STTPs/ FDPs/Orientation programs. Funds are allocated for the enhancement of the library facilities. Funds are properly utilized for the maintenance and development of the infrastructure.

The Institute has a mechanism for financial management for internal and external financial audits. The Institution conducts internal and external audits.

**Internal Audit** is carried out by the finance committee. The finance committee reviews the budget, statement of expenses is received by the Finance committee quarterly every year. The finance committee reviews the records quarterly and investigates and checks all the installments, receipts, diaries, vouchers of the exchanges, cash books, records, and all ledgers in each monetary year.

**External Audit:** A Chartered Accountant (CA) is appointed by the Institute for auditing college accounts. The GB reviews the budget proposals and audit reports and rectifies changes for auditing in the coming year. The CA vouched for the audit and submitted the final audit report. The proposals are made on different heads such as library expenses, laboratory equipment, building and infrastructure, salary payments, sports facilities, and other maintenance expenses. Auditors prepare the income and expenditure statement, Balance Sheet, and depreciation statements. The report of the external auditor of the last year along with the audited. Balance Sheet and Income & Expenditure account is displayed on the college website for reference to stakeholders. After the duly approval, the financial accounts, and documents could

be used for all statutory purposes. The accounts are finalized, and audited statements are prepared and signed by the Principal, and CA. At the beginning of each financial year, the proposed budget is prepared in accordance with the expenditure that is going to be incurred and approved by GB. Apart from the contingency expenditure, student fund revenue, and utilization, emphasis is given to the utilization of the development fund on infrastructure development. The receipts are very transparent and readily available in the public domain.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
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:

The IQAC was started in the year 2017. An IQAC committee is engaged to take care of Quality assurance strategies and processes. IQAC has contributed significantly to continually improving the infrastructure, enhancing the faculty skills, and empowering the students with advanced technologies to make them employable and encourage entrepreneurship. Institute's policies on academic and administrative systems are in respect of the process of teaching-learning and evaluation system, academic performance, faculty recruitment, and training/qualification enhancement.

IQAC is guiding and contributing to the following quality assurance strategies and processes



- Identify the processes needed
- Organization of STTPs/FDPs/Guest Lectures/National International conferences/Quality Assurance Seminars/IPR workshops/quality Journal publications.
- Ensuring the ICT integration/OBE in Teaching Learning Process
- Monitoring activity of Bridge courses/Industry based projects
- Ensure availability of requisite information and resources
- Suggest modifications to academic planning & Curriculum
- Conduction of Academic/Administrative Audits/Stakeholder/Student Satisfaction surveys
- Organization of training programs for non-teaching staff.
- Guidance for submission of research grant proposals to various Govt and Non Govt agencies.
- Skill and Personality Development Centre (SPDC) for SC/ST students
- Activity related to accreditations, and SSR submission.

IQAC is also responsible for

- Developing, coordinating, and monitoring academic assessment activities to effect improvement in student learning.
- Plan, monitor and control the academic functioning of all the Departments.
- Introduce innovation in Teaching, Learning, and Evaluation practices.
- Advised for internships/field visits/ Add-on/Value-added courses/technical training to enhance the employability skills

**Methodologies** –Dean(Academics)/ HOD provides a teaching-learning plan and academic calendar to the faculty member well before the commencement of the semester. The class coordinator periodically reports to the HOD about the syllabus coverage and classes engaged by the faculty. The course schedules/plans/information/ materials are issued to the students. IQAC also ensures counseling is given to weak/bright students.

**Outcome** –IQAC ensures the attainment of learning outcomes for each course and program. IQAC reviews the implementation of teaching-learning reforms. Following initiative for ensuring attainment of learning outcomes as-

**(i) Course Files-** Course files of every course are used to bring objectivity and strategize the course of teaching and learning for every topic. Mapping of the COs is done with POs.

**ii) Evaluation-System** is based on OBE with a direct method which includes Internal theory and lab exams, indirect methods using various assessment tools, course exit survey, and stakeholders' feedback.

The procedure of evaluation for OBE is as follows:

**1. Internal Examinations:** Two Test examinations and one Assignment are conducted for each subject.

These are mapped to the defined COs as per Bloom's taxonomy levels.

**2. Lab Examinations:** These consists of internal performance, evaluation, and viva-voce.

**4. External Lab Examinations:** Lab performance and viva voce are performed under university-appointed External Examiners.

**5. University examinations:** Based on the university question paper, marks scored by the students are given to assess the attainment level of the course.

**6. Students' Feedback on Teaching-Learning Process:** It is collected after the completion of the course. A “continuous Improvement philosophy” is adopted. It significantly showcases the actual quality of the teaching-learning process.

IQAC conducts an academic review of all departments through audits.

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

#### 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:

Arjun College of Technology and Sciences aims to maintain gender equality and social equality. create awareness among students about the gender imbalance in society and professional areas for safety and security through conducting sensitization campaigns, training programs, and workshops. Active Anti-Ragging and Grievance Cells are concerned about gender sensitivity. The College has formulated a policy on the Prevention, Prohibition, and Redressal of Sexual Harassment and discrimination. The Institute encourages girls and boys to participate together in academic, cultural, sports, and social activities. Activities are organized to sensitize and promote gender equality among students and staff by the Women Empowerment cell.

##### Safety and Security:

- The safety and security of students across the gender spectrum is ensured through the Guidelines mentioned in the Code of Discipline includes rules for the prevention of sexual harassment.
- Department has a complaint box for the student's grievances. Suggestions and grievances are timely redressed by the concerned committee .
- Students are instructed to follow safety norms while doing experiments in Labs. Fire Extinguishers are placed in prominent locations.
- Institute has provided a free bus facility to students. For industrial visits, excursions, and study tours, both genders of faculty members accompany the students. Parents permission is sought in case a girl student participates in outside activities.
- College premises and corridors are under CCTV surveillance to ensure the effective safety of the students. Internet facility for students is available with wifi. Well-trained security guards are deployed at key locations.
- Mentors counsel allocated mentees in their academic and personal problems to create a fearless environment.
- Opportunities are given to interact with successful women entrepreneurs and leaders.
- Interpersonal skill development and stress management programs are conducted with doctors and specialists.
- Common rooms are available for girls. The first aid boxes are kept for emergencies. A doctor is available during college hours to attend to the student's health problems.

Commemorating days, events, and festivals of national importance are celebrated on the campus to educate students about the history, traditions, culture and practices of our nation in engaging and participatory ways. The Institute celebrates Independence Day by commemorating the sacrifice of our freedom fighters and leaders. Cultural programs are conducted based on Indian Culture. Republic Day is celebrated to tell them about the constitution of India. Organizes events on national festivals like National Science Day, Dusheera, and Ganesh Chaturthi. Anniversaries of great Indian personalities like National science day to commemorate India's great physicist Sir C. V. Raman, Teacher's Day to commemorate the birth

anniversary of Dr. Sarvapalli Radha Krishnan, Engineer's Day to commemorate the birth anniversary of Sir M. Visvesvaraya, the birth anniversary of Mahatma Gandhi, Dr. B. R. Ambedkar, etc are celebrated . International Women's Day is celebrated to empower Women with a motivational talk on self-confidence, decision-making, and their rights and others.

<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>

### 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

<b>File Description</b>	<b>Document</b>
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:** C. Any 2 of the above

<b>File Description</b>	<b>Document</b>
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:**

A balance between the cultural, regional, linguistic, communal socio economic diversities is regularly maintained at ACTS to have an inclusive environment for having oneness among students.

- Vasudhaiva Kutumbakam, a philosophy that inculcates an understanding that the whole world is one family. This is philosophy of our institution that tries to foster an understanding that the whole of humanity is one family. At Arjun college of Technology & Sciences we respect every Culture, regional feelings, Language, Community and all other socio-economic conditions of the community.
- Teachers always take personal interest of the students and maintain a harmonious-relation with the student.

Traditional day is celebrated to showcase the culture and heritage by the students and staff of the institution. From the member of the management to the students, every one actively participate in this event actively.

- Rangoli – a culture show of Telugu society is celebrated in the campus by the Women Development Cell every year.
- Mehandi Competitions are celebrated by the girl students to showcase the innate talent of the students
- Cultural Day is celebrated by the Student Activity Cell where students are given opportunity to showcase their skills viz., Dancing, Singing, Mimicry, Mime.
- Bathukamma is floral festival celebrated predominantly by the Telangana. In telugu, 'Bathukamma' means 'Mother Goddess come Alive' and Goddess Maha Gauri-'Life Giver' is worshipped in the form of Bathukamma. This is being celebrated by the Women's Development Cell.
- Sankranthi – the harvest festival of Telangana is also celebrated in the institution by the Students.
- Potluck lunch is another event celebrated by the staff of the institution where all the staff collectively share food from each house.
- Picnic for the staff of the institution is also arranged to have a recreation for the staff members.

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:

- Women Empowerment is facilitated by several activities, which raises awareness about gender equality and ensures fair treatment for all.
- Safety and security of students, staff are the prime concern of the Institute. All essential security arrangements have been made by the institute, including Counselling cell, well-equipped medical

room and girls' common rooms.

- The Institute takes conscious efforts to create awareness about energy conservation, renewable energy usage among students. LED fittings are installed.
- The institute spends a considerable amount of its budget towards Green Practices. These include Water conservation through various ways likes Rainwater Harvesting, safe and efficient disposal of all waste generated along with developing and maintaining a green campus which is free of single-use plastic.
- Eco friendly transportation is promoted and public transport is encouraged to keep our air quality in check.
- Arrangements have been made to make the campus equally accessible to differently abled.
- The institute has its core values and code of conducts adhered by all within the campus.
- The Institute gets engaged in various social activities for the benefit of the nearby communities.
- Anniversaries of national stalwarts are observed with fervor, which inculcates universal values and emboldens national identity and integrity amongst the students.
- The Institute maintains Academic, Financial, and administrative transparencies which gives the impetus to work with greater quality.

Several best practices have been explored and implemented and have been found to have a positive impact upon the all-round performance of students and the Institute.

Innovation Training & Placement practices , Free Bus services for students etc,

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:**

Arjun College of Technology and Sciences one of the premier institutes in the twin cities region of Telangana . The Vision and Mission statement clearly defines the college's distinctive characteristic in terms of addressing the needs of society, the institute's tradition and values.

The vision of the institute is To attain highest level of excellence in education to create a sustainable society through innovative applications of technology and sciences .The Institute aims to achieve this by Implementing demanding academic programs, enhancing career opportunities by exposing the students to industries and latest technologies, and developing professionals with strong ethics and human values for

the betterment of society. Institute strengths in curricular, co-curricular, and extra-curricular areas have improved the quality of education. The attributes like more than 80% graduation rate, more than 50% placement for eligible graduating students during final year itself, and 10% of students opting for higher education reflect the existence of high-quality programs.

The basic distinction is made with the following:

- Institute provides training to the students through an internship program to bridge the gap between industry and institution
  - ICT-enabled classes are more interactive.
  - Regular Parents Teacher meet
  - Students acquire social responsibility by participating in various programs conducted in nearby villages.
  - Green campus initiatives are implemented keeping in mind the holistic perspective of land use, social well-being, and preservation of the environment.
  - Institute adopts Outcome Based Education to enable students to understand subjects.
- 
- To execute this, various programs such as workshops, STTPs, and guest lectures are arranged.
  - Institute initiates National Education Policy awareness through workshops, STTPs, and guest lectures.

Some of the innovative and best practices that have created a positive impact on the functioning of the institution are:

- Encourage students and faculty to involve in research activities.
- Book bank facility for SC & ST and other Economically Weaker students.
- Makeup/Remedial classes for slow learners. Provision of additional facilities for bright students (like fee concessions, free Transportation, etc.)
- decentralization of academic administration, well-thought student counseling (mentorship)program.
- The institute provides free ship to encourage economically backward and meritorious students.

Experienced Faculty and Infrastructure:

Institute has well qualified, senior faculty who monitor students as guides, mentors, and facilitators. Faculty training programs through refresher programs, STTPs, and FDPs help our faculty to build global competencies in the learners.

#### Enrichment of Technical Skill set:

Various Bridge Courses and Value-Added Courses are offered to make the learner industry competent as well as their lifelong learning. Problem Based Learning helps build critical thinking and problem-solving abilities among students as learners. To facilitate experiential learning, students are encouraged to take up Internships and industry based Projects. To inculcate the spirit of learning, students are encouraged to participate in the various events organized in the Institution and outside the Institution.

#### Emphasis on Soft Skill Set:

To develop public speaking skills, and teamwork and to build confidence, soft skill training is provided through collaboration with internal and external agencies. Language Lab reinforces English proficiency among learners from vernacular backgrounds. Pre placement training is offered to all students. To assess their employability, online examinations are conducted for all the students.

#### Motivating Mindset:

Fostering the proper attitude among learners plays a vital role in shaping young minds to develop the right attitude. Learners are exposed to a plethora of guest lectures by industry experts, eminent academicians, and well-established alumni. Motivating talks by eminent personalities help promote a global outreach and enrich young minds. Industrial visits are organized for learners to bridge the gap between the curriculum and industry.

To build a healthy competitive spirit and maintain physical fitness, learners are encouraged to participate in Indoor and outdoor sports. Students are encouraged to identify projects that use technology to benefit society.

#### Placements:

The Institute is equipping all students with the right talent and personality to face the industry requirements. The focus is on placement, and on creating new approaches to attract the best from the industry to our campus.

The Training & Placement Cell is well equipped with ample infrastructure in terms of Seminar Hall, Meeting Hall for Pre-Placement Talk, Presentations, etc. The Cell maintains a comprehensive database ready for reference for placement drives. The placement cell operates around the year to facilitate contact between companies and graduates. Also plays a key role in guiding the students at the college for their successful career placement resulting in increased placements in various prestigious companies over the years.

#### Social Responsibility



The Institute greatly appreciates its social responsibility and promotes student engagement, contributing to good citizenship, service orientation and holistic development of students through a large number of youth development activities which are undertaken by NSS. It periodically arranges Blood donation camp, free Medical Checkup camps, tree plantations, Traffic Awareness. Awareness on recent technology to school children in nearby villages.

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 :**

Arjun College of Technology and Sciences strives to bring out and nurture the talents and skills of youngsters with Quality Technical Education, motivate them to be self-disciplined, and develop their competence to face the challenges of globalization.

Continuous Efforts are made

- To provide value-based education.
- To produce Industry-ready Professionals through training in Soft-Skills and Personality development.
- Undertaking networking with Industry, Academic, and Research Institutions
- To provide adequate and furnished infrastructure for academic and research activities.
- To organize national and international level Seminars/Symposium/conferences.
- To promote Creativity and Innovation among students.
- To conduct a Career -Vision program to facilitate the right career choice by students.
- To encourage Entrepreneurship among students.
- To motivate the students to participate in Co-curricular and Extra-curricular activities.
- To train teachers in modern instructional methodologies to improve their teaching skills.
- To motivate the faculty to publish papers in National/International Conferences and Journals.
- To build relationships with Parents and Teachers to excel students' performance
- To provide a quality environment and services to all Stakeholders.
- To follow Ethical, environmentally responsible Engineering practices.
- To attend issues of national Importance.
- To respond to the changes in both technology and applications.

To provide systems, resources, and opportunities for continuous improvement

### **Concluding Remarks :**

Arjun College of Technology and Sciences has well framed vision and mission, considering the needs of the society. Best academics, infrastructure, laboratories, industry-interaction, self-learning and co-curricular and extra-curricular activities are some of the special features which cater to the comprehensive development of the students.

The governance comprises of Governing Body, College Development Committee, Departmental Advisory Board, Internal Quality Assurance Cell, Academic Monitoring Committee and various institute level committees.

These all play significant role in the evolutionary reforms towards positioning the college in the preferred list of all stake holders.

The College believes in promoting a culture of delegation of powers through strategic policies. The Principal of the college is assisted by Vice- Principals, Deans, HODs, Administrative Head, Sections in-charge and coordinators of various committees in decision making process at the College.

The College executes strategic planning from time to time for producing quality engineers and managers, and overall growth of the institute has well established organizational structure to execute smooth functioning of administrative and academic processes.

The College has implemented e-governance in all the areas of academic processes to ensure better academic Administration.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																																								
1.2.1	<p><b>Number of Add on /Certificate/Value added programs offered during the last five years</b></p> <p>Answer before DVV Verification :</p> <p>Answer After DVV Verification :82</p> <p>Remark : As per clarification received from HEI , DVV input is recommended.</p>																																								
2.1.2	<p><b>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)</b></p> <p><i>2.1.2.1. Number of actual students admitted from the reserved categories year - wise during the last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>125</td> <td>145</td> <td>118</td> <td>73</td> <td>62</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>129</td> <td>151</td> <td>127</td> <td>78</td> <td>78</td> </tr> </tbody> </table> <p><i>2.1.2.2. Number of seats earmarked for reserved category as per GOI/ State Govt rule year wise during the last five years</i></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>191</td> <td>191</td> <td>191</td> <td>191</td> <td>159</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>180</td> <td>180</td> <td>180</td> <td>180</td> <td>150</td> </tr> </tbody> </table> <p>Remark : As per the state government reservation, data for the metric i.d. 2.1.2.2 be 50% of the data for the metric i.d. 2.1.1.2. And as per the clarification received from HEI, DVV input is recommended.</p>	2021-22	2020-21	2019-20	2018-19	2017-18	125	145	118	73	62	2021-22	2020-21	2019-20	2018-19	2017-18	129	151	127	78	78	2021-22	2020-21	2019-20	2018-19	2017-18	191	191	191	191	159	2021-22	2020-21	2019-20	2018-19	2017-18	180	180	180	180	150
2021-22	2020-21	2019-20	2018-19	2017-18																																					
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180	180	180	180	150																																					
3.2.2	<p><b><i>Number of workshops/seminars/conferences including on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship conducted during the last five years</i></b></p> <p><i>3.2.2.1. Total number of workshops/seminars/conferences including programs conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year wise</i></p>																																								

**during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
07	06	06	06	05

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
05	06	08	05	04

Remark : As academic year should be considered in this metric, and the programs conducted beyond the assessment period should not be considered. Thus, as per the clarification provided by HEI, DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
30	21	21	44	67

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
25	14	42	32	34

Remark : As calender year should be considered, thus publication done in the year 2022, should not be considered and only UGC care listed entries only be considered in this metric. Thus, as per the clarification received from HEI, DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
62	59	0	0	0

Answer After DVV Verification :

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

62	09	0	0	0
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Remark : As the calender year should be considered in this metric, and publication done in the year 2022, should not be considered. Thus, as per the clarification received from HEI, DVV input is recommended.

**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**

**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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
11	05	07	10	09

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
05	04	08	09	10

Remark : As per clarification received from HEI, DVV input is recommended.

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
134	91	86	64	96

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
90	91	86	64	96

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
366	174	153	113	135

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
90	120	105	94	115

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

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
3	6	3	2	3

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
3	6	3	2	3

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
15	12	9	10	11

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
03	06	03	02	03

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

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

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
12	11	12	09	10

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
12	00	12	03	08

Remark : As per clarification received from HEI, DVV input is recommended.

5.3.2

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

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

Answer before DVV Verification:

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

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
03	00	06	03	03

Remark : As all activities conducted under an event will be counted as one event, and as per the clarification received from HEI, DVV input is recommended.

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**

**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**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
89	64	72	56	68

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
64	61	63	63	63



	Remark : As per the clarification received from HEI, DVV input is recommended.
6.5.2	<p><b>Quality assurance initiatives of the institution include:</b></p> <ol style="list-style-type: none"> <li>1. <b>Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements</b></li> <li>2. <b>Collaborative quality initiatives with other institution(s)/ membership of international networks</b></li> <li>3. <b>Participation in NIRF</b></li> <li>4. <b>any other quality audit/accreditation recognized by state, national or international agencies such as NAAC, NBA, ISO Certification etc</b></li> </ol> <p>Answer before DVV Verification : A. All of the above                  Answer After DVV Verification: C. Any 2 of the above                  Remark : As per the clarification received from HEI, DVV input is recommended.</p>
7.1.3	<p><b>Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following</b></p> <ol style="list-style-type: none"> <li>1. <b>Green audit / Environment audit</b></li> <li>2. <b>Energy audit</b></li> <li>3. <b>Clean and green campus initiatives</b></li> <li>4. <b>Beyond the campus environmental promotion activities</b></li> </ol> <p>Answer before DVV Verification : A. All of the above                  Answer After DVV Verification: C. Any 2 of the above                  Remark : As per clarification received from HEI, DVV input is recommended.</p>

## 2.Extended Profile Deviations

ID	Extended Questions
1.1	<p><b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b>                      Answer before DVV Verification : 95                      Answer after DVV Verification : 218</p>