



Yearly Status Report - 2018-2019

Part A

Data of the Institution

1. Name of the Institution	TRIDENT ACADEMY OF TECHNOLOGY
Name of the head of the Institution	PROF. (DR.) MAHENDRA NATH DWIBEDI
Designation	Principal
Does the Institution function from own campus	Yes
Phone no/Alternate Phone no.	09437122660
Mobile no.	9861191195
Registered Email	info@trident.ac.in
Alternate Email	pri@tat.ac.in
Address	F2/A, Chandaka Industrial Estate, Infocity Area, Chandrasekharpur
City/Town	Bhubaneswar
State/UT	Orissa
Pincode	751024

2. Institutional Status

Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Urban
Financial Status	private
Name of the IQAC co-ordinator/Director	Dr. Sidhartha Sankar Mohapatra
Phone no/Alternate Phone no.	09437315446
Mobile no.	9337779181
Registered Email	iqac@tat.ac.in
Alternate Email	pri@tat.ac.in

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://tat.ac.in/best-practices/quality-practices/
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4. Whether Academic Calendar prepared during the year

if yes, whether it is uploaded in the institutional website: Weblink :	Yes https://tat.ac.in/academics/calendar/
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5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To

1	B+	20699	2016	02-Dec-2016	01-Dec-2021
6. Date of Establishment of IQAC				07-Dec-2016	
7. Internal Quality Assurance System					
Quality initiatives by IQAC during the year for promoting quality culture					
Item /Title of the quality initiative by IQAC			Date & Duration	Number of participants/ beneficiaries	
Seminar on How to reduce plagiarism in student project			06-Aug-2018 1	64	
Seminar on How o use Blooms Taxonomy in Question Preparation			04-Jan-2019 1	122	
L::asset('/', 'public/').'/public/index.php/admin/get_file?file_path='.encrypt('Postacc/Special_Status/'. \$instdata->upload_special_status)}}}					
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.					
Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount	
No Data Entered/Not Applicable!!!					
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9. Whether composition of IQAC as per latest NAAC guidelines:			Yes		
Upload latest notification of formation of IQAC			View Link		
10. Number of IQAC meetings held during the year :			4		
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website			Yes		
Upload the minutes of meeting and action taken report			View Uploaded File		
11. Whether IQAC received funding from any of the funding agency to support its activities during the year?			No		
12. Significant contributions made by IQAC during the current year(maximum five bullets)					
All the departments were encouraged to conduct seminars, workshops, conferences etc. three workshops and three technical talks were conducted in this academic year. • Members of faculty and staff were encouraged to upgrade their knowledge by attending seminars, workshops and conferences. • The faculty members of the institute were encouraged and supported to present and publish research papers in reputed national and international journals, • Students were also encouraged to undertake projects and industrial tours. Industrial tours were conducted to places like Doordarshan Kendra and BSNL(RTTC). • Students were encouraged to take up higher studies by appearing in the exams like GATE, CAT, XAT.					
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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year					
Plan of Action			Achievements/Outcomes		
Enriching the curriculum by augmenting the number of add-on courses Objective: To update knowledge and skills of the students for better job opportunities			Other than the regular courses imparted to the students the students were given additional courses in Advance Java and CCNA. Experts from industry and corporate bodies were invited to motivate them and help them in managing stress, develop emotional intelligence.		
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14. Whether AQAR was placed before statutory body ?			Yes		
Name of Statutory Body			Meeting Date		
D-FOUNDATION			15-Dec-2018		

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2019
Date of Submission	09-Feb-2019
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	E GOVERNANCE DEVELOPED BY OUR INHOUSE IT DEPARTMENT The area where EGovernance is operational 1. Library 2.Finance 3. Maintenance 4.Academic

Part B

CRITERION I - CURRICULAR ASPECTS**1.1 - Curriculum Planning and Implementation****1.1.1 - Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words**

Trident Academy of Technology (TAT), is an affiliated college of Biju Patnaik University of Technology (BPUT), Rourkela, Odisha. It follows the university's prescribed syllabus and the scheme of Academic Administration and studies. The Institute focuses on enhancing the employability of the students by offering them with the best of faculty, infrastructure and self-development activities. Feedback from stakeholders is considered as an important tool for continuous improvement. The college prepares an academic calendar following the BPUT calendar. The academic monitoring committee takes care of the time table and the class distribution per subject. The lesson plan with course objectives and course outcomes is prepared by the concerned subject teacher before the commencement of the semester and is duly approved by the head of the department and made available to the students. The course progress is reviewed both qualitatively and quantitatively by the head of the institution. The institution also plans some courses to bridge the gap between the academy and the industry requirement. The attendance of all the theory classes are updated and regularly monitored through e-governance of Trident Academy of Technology. The academic progress is also maintained by each faculty for each semester and verified by HODs on timely basis. The effective implementation of the curriculum is assessed by conducting tests on a regular basis and through a well - defined feedback system. The college has a regular process of collecting feedback from the students on the curriculum which is analyzed, discussed in Academic Monitoring committee meetings and the necessary steps are taken for the improvement. The tutorial classes are conducted for the thorough understanding of the students which in turn contributes to their performance index. The faculty members use the following modes of delivery in their classroom: 1. Chalk and Talk method
2. Learning by doing 3. Power point presentation
4. Tutorial/Remedial classes 5. Assignments and Quiz tests
6. Group Tasks 7. Class tests 8. Models/Charts
9. Internet 10. e-Books, e-tutorial, Lecture notes and lecture CDs. The HODs distribute the syllabus among the faculty members of their departments. The faculty members are instructed by the HODs to complete the syllabus within stipulated time. Extra classes are arranged in case of failing to complete the syllabus in the given time. New Text Books and; Reference books are ordered every year for the teachers and students. For implementation of curriculum, teachers adopt the TAT Teaching & Learning methodology which includes presentations, assignments, and seminars, quiz tests, surprise tests etc. for effective learning. The Board of Studies of the University prepares the curriculum of the subjects. The college receives regular updates of circulars through letters and emails from the university, regarding the changes or modifications in the curriculum. Timely meetings are conducted and instructions are given for submission of assignments and conduct unit tests and class tests as per plan and publish the result before semester examination. To facilitate faculty members regular FDPs are conducted in the subject areas and beyond the syllabus.

1.1.2 - Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employability/entrepreneurship	Skill Development
STAAD PRO V8i	Nil	17/08/2018	40	EMPLOYABILITY	YES
AutoCAD	Nil	06/12/2018	60	EMPLOYABILITY	YES
JAVA	Nil	15/01/2019	60	EMPLOYABILITY	YES

1.2 - Academic Flexibility**1.2.1 - New programmes/courses introduced during the academic year**

Programme/Course	Programme Specialization	Dates of Introduction
No Data Entered/Not Applicable !!!		

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1.2.2 - Programmes in which Choice Based Credit System (CBCS)/Elective course system implemented at the affiliated Colleges (if applicable) during the academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BTech	CSE, ETC, EEE, EE, MECH, CIVIL, IT	16/08/2018
MBA	MBA	16/08/2018
MCA	MCA	16/08/2018
Mtech	CSE, ETC	16/08/2018

1.2.3 - Students enrolled in Certificate/ Diploma Courses introduced during the year

	Certificate	Diploma Course
Number of Students	100	Nil

1.3 - Curriculum Enrichment

1.3.1 - Value-added courses imparting transferable and life skills offered during the year

Value Added Courses	Date of Introduction	Number of Students Enrolled
MATLAB SIMULATION	06/08/2018	30
CATIA	16/04/2019	35

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1.3.2 - Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BTech	ETC	82
BTech	CSE	160
BTech	EEE	35
BTech	CIVIL	60
BTech	MECH	125
BTech	EE	45
BTech	IT	10

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1.4 - Feedback System

1.4.1 - Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

1.4.2 - How the feedback obtained is being analyzed and utilized for overall development of the institution? (maximum 500 words)

Feedback Obtained

The Academic Monitoring Committee of the Institution looks after the overall academic activities under the guidance of the Dean, Academics. The committee analyses the university prescribed syllabus for different courses and identifies the curriculum gaps based on following feedback system: Feedback from the teachers supervising the course: The teachers supervise and review the course curriculum and wherever need be, compare the same with syllabus adopted by other institutions of repute and current industry requirements so as to achieve the course outcome. Feedback from the Industry Experts and Employers: The Training and Placement Cell (TPC) provides inputs based on the feedbacks collected from industry experts and employers. Feedback from the students: The students provide the feedbacks after completion of each course on their understanding, content delivery and significance of the course for their overall career development. Further, students also interact with their mentors on regular basis. The mentors forward the points raised by the students to the concerned faculty members. Feedback from the stakeholders: The feedback from the Parents, Alumni, and Stakeholders are taken through interaction, discussions and meetings. Alumni inputs are valuable assets for an educational institution's academic development. They help build link between industry and institutions. But since ours is an affiliated institution, their help in curriculum development not has been that useful. However, their inputs collected verbally and informally help the institution improve knowledge delivery to a great extent. The feedbacks from the stakeholders are analysed, discussed in Academic Monitoring Committee meetings and those found to be out of the purview of the institution are sent to the University by the Principal for further discussion. The Institution has tried to bring in changes and also introduced enrichment programmes to supplement the curriculum.

CRITERION II - TEACHING- LEARNING AND EVALUATION

2.1 - Student Enrolment and Profile

2.1.1 - Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
No Data Entered/Not Applicable !!!				

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2.2 - Catering to Student Diversity

2.2.1 - Student - Full time teacher ratio (current year data)

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2018	2178	297	155	17	7

2.3 - Teaching - Learning Process

2.3.1 - Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
172	107	3	8	3	5

[View File of ICT Tools and resources](#)
[View File of E-resources and techniques used](#)

2.3.2 - Students mentoring system available in the institution? Give details. (maximum 500 words)

Mentoring is a powerful personal and career development tool that can enable the mentee to achieve or exceed their life#39s goals and aspirations. Trident Academy of Technology follows the mentoring scheme wherein faculty members are allotted with the responsibilities to mentor the students for their overall academic and social progress and developments. As a part of this scheme, mentor-teachers frequently interact with the students by convening meeting at least once in a week to assess and find problem areas in students everyday learning and development processes. The number of Faculty Mentors are 85. The number of students per mentor is 30:1(First year) amp 15:1(Second year onward) .The frequency of meeting is once in a week. As a part of mentoring system, each class is divided into 2/4 groups of 30/15 students in every batch. Each group is then allotted to different faculty members as mentor. In first year one mentor is allotted 30 numbers of students and when students go to subsequent years the ratio is decreased for better contact i.e. one mentor for 15 students. The mentors convene periodic meeting with the students and discuss various issues like academic, research, teaching and other related issues. They are advised to telephone their mentors for any college related activities. The minutes of the meeting are discussed in the staff council meeting and necessary, appropriate steps and decisions are taken and implemented. Role of Mentors are: (1)The Mentor shall exercise an effective control and influence over the students under his/her charge. (2)The Mentor shall assist in academic and overall development of the student under his/her charge.(3)The Mentor shall enquire into their various problems and help them to solve either by himself or by bringing it to the notice of the Head of the institution or the parents of the students.(4)The Mentor shall maintain the quarterly mentoring record and shall submit to the Head of the institution on the last working day of every session.(5)The Mentor shall send quarterly progress report to the Parents/Guardians of the student, wherever deemed necessary. Responsibilities of HOD: (1)Meet all mentors of his/her department at least once a month to review the proper implementation of the system. (2) Advice mentor (3)Initiate necessary administrative action. (4) Keep the principal informed. This practice has been proven very successful as it provides a good platform for the students to express their thought, needs and grievance. Students are also becoming more interactive with the mentors and approach them without any hesitations to report any issue related to classes, facilities and others. The discussion on such issues and students feedback in faculty meeting has helped greatly to make few necessary changes in the functioning of the respective department and take corrective and precautionary measures.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2475	172	1 : 14

2.4 - Teacher Profile and Quality

2.4.1 - Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
172	172	0	5	21

2.4.2 - Honours and recognition received by teachers (received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the year)

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2018	Dr.Shakuntala Mohapatra	Associate Professor	BEST RESEARCHER AWARD

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2.5 - Evaluation Process and Reforms

2.5.1 - Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme	Programme	Semester/	Last date of the last semester-end/	Date of declaration of results of semester-

Name	Code	year	year-end examination	end/ year- end examination
No Data Entered/Not Applicable !!!				

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2.5.2 - Reforms initiated on Continuous Internal Evaluation(CIE) system at the institutional level (250 words)

The college maintains a transparency in the evaluation procedure by strictly following the university evaluation procedure. The notices of the different examinations are displayed in the website as well as on the college notice board. The internal evaluation carries 50 marks under different heads like two internal assessments carrying 30 marks whereas surprise test, assignment test, quiz and attendance of the students carry 5 marks each. Question papers for the assessment are set by the subject teachers following the semester pattern of the affiliating university. The assignment test is conducted at the end of every module. At the end of the syllabus a quiz test is conducted based on multiple choice questions covering all the modules. The concerned faculty members evaluate the papers and show the marks to the students in the class. Their doubts are cleared and the techniques of scoring better marks are explained to them. Separate question papers are prepared for the defaulters of the respective exams and exams are conducted. Seminars are the integral part of student evaluation. Students chose relevant topics from their course and present papers on it. Marks are awarded to the students based on their presentation skills, domain knowledge and communication skills. Students are guided and helped by their faculty members to take up, analyse and design a project work from their domain knowledge based on engineering issues. Their projects are evaluated internally as well as externally by subject experts. Practical examinations are a mandatory part in the internal evaluation system where students are evaluated regularly after successfully completing the experiments followed by viva voce test.

2.5.3 - Academic calendar prepared and adhered for conduct of Examination and other related matters (250 words)

The college strictly follows the academic calendar prescribed by the affiliating university. Before the beginning of every new session the senior academic members and the administrative staff meet to discuss how to execute the university academic calendar ensuring that the curriculum is enriched through theory sessions, sessional activities and seminars adhering to the prescribed syllabus and subject weightage by the said university. The academic calendar helps the faculty members and the students to space out their teaching and learning process by the yardstick of regular assessment. The faculty members plan their respective course delivery research work referring to the total number of working days as prescribed by the affiliating university for the smooth conduction of the academic and co- curricular activities. Department heads closely supervise and monitor the completion of the syllabus as per the lesson plan prepared by faculty members. The students also come to know about the beginning of their semester, their internal exams dates and the semester exam date. The academic calendar is intimated to all the students and the stake holders of the college by displaying it on the college notice board as well as publishing in the college website. The Principal takes the help of the Internal Academic Committee frequently to review the semester#39s progress and provides suitable suggestions towards the course completion in time. In case of revision of academic calendar by the university, the institute incorporates the necessary changes accordingly.

2.6 - Student Performance and Learning Outcomes

2.6.1 - Program outcomes, program specific outcomes and course outcomes for all programs offered by the institution are stated and displayed in website of the institution (to provide the weblink)

<http://tat.ac.in/wp-content/uploads/2023/05/C-2.6.1-2016-17.pdf>

2.6.2 - Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
No Data Entered/Not Applicable !!!					

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2.7 - Student Satisfaction Survey

2.7.1 - Student Satisfaction Survey (SSS) on overall institutional performance (Institution may design the questionnaire) (results and details be provided as weblink)

<http://tat.ac.in/wp-content/uploads/2023/05/C2.7-2018-19.pdf>

CRITERION III - RESEARCH, INNOVATIONS AND EXTENSION

3.1 - Resource Mobilization for Research

3.1.1 - Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Major Projects	15	AICTE, Govt of India	500000	500000
Major Projects	15	AICTE, Govt of India	700000	700000
Major Projects	365	DST , Govt.ofIndia	1996000	1996000

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3.2 - Innovation Ecosystem

3.2.1 - Workshops/Seminars Conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the year

Title of workshop/seminar	Name of the Dept.	Date
Workshop on Entrepreneurship Awareness Camp (EAC)	EEE	24/09/2019
Workshop on Entrepreneurship Awareness Camp (EAC)	MCA	14/11/2018
Workshop on Entrepreneurship Awareness Camp (EAC)	MBA	05/12/2018
Workshop on Entrepreneurship Awareness Camp (EAC)	CIVIL	07/12/2018
Workshop on Entrepreneurship Awareness Camp (EAC)	ETC	24/12/2018

3.2.2 - Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
IoT based water and sanitation management for public washrooms (Swachh Bharat)	1.Prasanjeet Sethy 2.Subham Kumar Patro	Cisco IoT Hackathon India	10/08/2018	STUDENT
Smart Appliances	Suchitra Sahoo	Cisco IoT Hackathon India	10/08/2018	STUDENT
Deloitte Innovation Award	Subham Kumar Patro	Smart India Hackathon	12/04/2019	STUDENT

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3.2.3 - No. of Incubation centre created, start-ups incubated on campus during the year

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
Trident Incubation center	Ayush Aggarwal	Ministry of Micro Small Medium Enterprises Govt of India New Delhi	Machine Learning based Optical Character Recognition (MCLOR)	Online food delivery app	15/02/2019

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3.3 - Research Publications and Awards

3.3.1 - Incentive to the teachers who receive recognition/awards

State	National	International
2	5	2

3.3.2 - Ph. Ds awarded during the year (applicable for PG College, Research Center)

Name of the Department	Number of PhD's Awarded
ALL DEPARTMENTS	0

3.3.3 - Research Publications in the Journals notified on UGC website during the year

Type	Department	Number of Publication	Average Impact Factor (if any)
National	MATHEMATICS	2	1
National	CHEMISTRY	2	1.2
International	PHYSICS	1	2.68
National	MCA	1	0.61
International	MCA	3	Nil
National	ETC	9	3

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3.3.4 - Books and Chapters in edited Volumes / Books published, and papers in National/International Conference Proceedings per Teacher during the year

Department	Number of Publication
CHEMISTRY	1
MCA	4

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3.3.5 - Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or PubMed/ Indian Citation Index

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
No Data Entered/Not Applicable !!!						

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3.3.6 - h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
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No Data Entered/Not Applicable !!!

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3.3.7 - Faculty participation in Seminars/Conferences and Symposia during the year :

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	5	2	0
Presented papers	3	3	0	1
Resource persons	0	1	0	0

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3.4 - Extension Activities

3.4.1 - Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
Plantation drive	Green Club	3	12
SWACTHA HI SEVA	NSS Green club	12	45

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3.4.2 - Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Flower show	Basant pushpapardarshini	NALCO	37
Annual state flower show	Special display	Regional plant Resource centre plant lover association	59
Annual state flower show	Gardening skill	Regional plant Resource centre plant lover association	48
Flower show	Basant pushpapardarshini	NALCO	44

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3.4.3 - Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
World AIDS Day	Youth Red Cross	Awareness Program	7	100
SWACTHA HI SEVA	Youth Red Cross	Awareness Program	12	45

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3.5 - Collaborations

3.5.1 - Number of Collaborative activities for research, faculty exchange, student exchange during the year

Nature of activity	Participant	Source of financial support	Duration
FUNDED PROJECT	Dr. Sakuntala Mohapatra	Board of Research in Fusion Science and Technology (BRFST), Gandhinagar.	365

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3.5.2 - Linkages with institutions/industries for internship, on-the- job training, project work, sharing of research facilities etc. during the year

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
STUDENT PROJECT	Major Projects	TRIDENT ACADEMY OF TECHNOLOGY	23/08/2018	19/02/2019	586

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3.5.3 - MoUs signed with institutions of national, international importance, other universities, industries, corporate houses etc. during the year

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
No Data Entered/Not Applicable !!!			

[View File](#)**CRITERION IV - INFRASTRUCTURE AND LEARNING RESOURCES****4.1 - Physical Facilities**

4.1.1 - Budget allocation, excluding salary for infrastructure augmentation during the year

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
20830000	20400648

4.1.2 - Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
No Data Entered/Not Applicable !!!	

[View File](#)**4.2 - Library as a Learning Resource**

4.2.1 - Library is automated {Integrated Library Management System (ILMS)}

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
TGILMS	Partially	1	2012

4.2.2 - Library Services

Library Service Type	Existing	Newly Added	Total
No Data Entered/Not Applicable !!!			

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4.2.3 - E-content developed by teachers such as: e-PG- Pathshala, CEC (under e-PG- Pathshala CEC (Under Graduate) SWAYAM other MOOCs platform NPTEL/NMEICT/any other Government initiatives & institutional (Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Hemant Mishra	Mathematics	Trident dspace	30/08/2018
Sk. Mohammed Ali	Industrial Process Control Dynamics	Trident dspace	30/08/2018
Mr. L.K.Sahoo	Renewable Energy System	Trident dspace	30/08/2018
Mr. P.K.Sahoo	Electrical Machine-II	Trident dspace	30/08/2018
Mr. A.N.Das	C Programming	Trident dspace	30/08/2018

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4.3 - IT Infrastructure

4.3.1 - Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/GBPS)	Others
Existing	503	348	493	40	70	5	30	300	10
Added	18	18	0	0	0	0	0	0	0
Total	521	366	493	40	70	5	30	300	10

4.3.2 - Bandwidth available of internet connection in the Institution (Leased line)

300 MBPS/ GBPS

4.3.3 - Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Tridigispac	https://tat.ac.in/academics/learning-resources/tri-digi-space/

4.4 - Maintenance of Campus Infrastructure

4.4.1 - Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
11280000	10904921	9550000	9495727

4.4.2 - Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words) (information to be available in institutional Website, provide link)

The institution has an institutional support mechanism to address all the maintenance activities. It takes complaints both physically and on line. The vigilant team of maintenance squad, pays regular round ups and takes steps immediately to the maintenance of anything raised anywhere. However, writing mail to ic@tat.ac.in is the most significant and effective maintenance mechanism that is followed for complaints related to maintenance. Regarding the issues raised in the hostels, information is sent to hc@tat.ac.in for necessary action. The support staff responds addresses the problem soon after the mail is received and sends a reply through the same regarding the solution. Campus Maintenance Cleanliness amp daily maintenance of the interior facilities (classrooms, laboratories, library, and staircase, Washrooms) is done by the outsourced house-keeping team under the active supervision of the Administrative Officer. Maintenance of Laboratory The maintenance of the equipment of laboratories is taken care of by the maintenance departments. Each laboratory is assigned with one teaching faculty as an in-charge. The technicians of the laboratories periodically monitor the working condition of the equipment/instruments/machinery in the laboratories. At the end of every academic year, technicians' preventive maintenance of their laboratories and verify the stock of the equipment. In addition to this, some of the faculty members conduct the stock verification and ensure the lab equipment#39s working condition based on that, the report is submitted to the institution head for further rectification. Based on that report, the maintenance team has taken care of the rest of the work. The laboratory halls are effectively utilized to conduct practical courses in odd and even semesters as per the curriculum with adequate equipment and facilities. Maintenance of Classroom The concerned department monitors the maintenance of the classroom ICT facilities and electrical fittings. The department technicians regularly monitor the ICT facilities such as computers, internet points, WI-FI, and LCD projector in the classrooms. If the faults occurred are unable to rectify by them will be reported to the Electrical maintenance department. The electrical fittings such as lights, fans, switches, and plug points in the classrooms are regularly monitored by the department and inform to electrical maintenance cell if there is a problem for rectification. Electrical Maintenance The Electrical Maintenance department has been established to look after the Electrical system, Air-conditioning system and purchase of equipment and other materials related to all the above works.

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 - Student Support

5.1.1 - Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	INSTITUTION SCHOLARSHIP	440	8800000
Financial Support from Other Sources			
a) National	POST MATRIC SCHOLARSHIP	592	10593000
b) International	NONE	0	0

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5.1.2 - Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implementation	Number of students enrolled	Agencies involved
SOFT SKILL	08/01/2019	545	TRIDENT ACADEMY OF TECHNOLOGY
REMEDIAL CLASSES	21/01/2019	215	TRIDENT ACADEMY OF TECHNOLOGY
YOGA	23/08/2018	249	BRAMHAKUMARI

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5.1.3 - Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passed in the comp. exam	Number of students placed
2019	GATE	200	415	8	8
2019	CAT	155	349	2	2
2019	GOVERNMENT SERVICE	130	280	2	2

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5.1.4 - Institutional mechanism for transparency, timely redressal of student grievances, Prevention of sexual harassment and ragging cases during the year

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
1	1	7

5.2 - Student Progression**5.2.1 - Details of campus placement during the year**

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed

No Data Entered/Not Applicable !!!

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5.2.2 - Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2018	3	B.TECH	CSE	NIT, IIT	M.TECH
2018	5	B.TECH	ETC	NIT, IIT	M.TECH
2018	7	B.TECH	MECH	NIT, VSSUT	M.TECH
2018	5	B.TECH	CIVIL	NIT	M.TECH
2019	2	B.TECH	ETC	SRM	MBA
2019	4	B.TECH	MECH	SP JAIN, XIMB	MBA
2019	3	B.TECH	CIVIL	SRM	MBA

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5.2.3 - Students qualifying in state/ national/ international level examinations during the year (eg: NET/SET/SLET/GATE/GMAT/CAT/GRE/TOFEL/Civil Services/State Government Services)

Items	Number of students selected/ qualifying
GATE	5
CAT	10
GRE	1

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5.2.4 - Sports and cultural activities / competitions organised at the institution level during the year

Activity	Level	Number of Participants
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No Data Entered/Not Applicable !!!

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5.3 - Student Participation and Activities**5.3.1 - 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	Name of the award/medal	National/ International	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2018	NONE	National	Nil	Nil	NONE	NONE
2018	NONE	International	Nil	Nil	NONE	NONE

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5.3.2 - Activity of Student Council & representation of students on academic & administrative bodies/committees of the institution (maximum 500 words)

The institute encourages active representation of students in academic and administrative bodies to ensure smooth conduct of various activities. The Student Committee in particular, stands pivotal in organizing a wide variety of activities in the campus. Further, there are a few other committees as well constituted to look after various affairs of the institution. Student Committee. The Student Committee is the nominated body of a few smart, energetic and intelligent students from various branches of the institution. It stands pivotal in organizing a wide variety of activities in the campus. The committee acts as a connecting link between the top administration of the college and the students. Anti-ragging committee Anti ragging Committee has been constituted to ensure that ragging or harassment of new students by senior students of the institute is strictly prohibited. Students are nominated as members of the anti-ragging committee along with the members of staff as per the recommendations from AICTE, UGC, and BPUP. They articulate the awareness about anti-ragging during induction and Orientation Programs and ensure that the campus remains ragging free subsequently all the way. Class committee Class committees have been formed to sort out the grievances raised more specifically in academic sphere. It comprises of student members ranging from meritorious to average in terms of their performance in the class. The committee also involves the faculty members handling the courses. The smooth functioning of the academic sessions and the difficulties in learning of every course in all the semesters are received as feedback from the student members, and the suggestive measures are also invited from the student members. Apart from the curriculum, the difficulties in accessing the

infrastructural facilities are discussed with the students. Hostel committees The institute has a provision of Hostel committees comprising student representatives from various branches and semesters. The committee/HR helps the hostel administration prepare the Menu, addresses the problems of the boarders. Library Committee The college library has an advisory committee in which, along with the faculty members, students are also a part of the committee. They also sensitize the students regarding the issuing of books, journals, and magazines. The representatives create awareness among the students how to inculcate the habit of reading text books in print although reading e-books and e-content has become the trend and fashion in contemporary period of time. Internal Complaint Committee: The committee, comprising students from various branches, plays an important role in bringing the challenges, difficulties and problems faced by the students to the notice of the college administration. Complaint boxes have been placed at selected and convenient locations within the premises of the institution where in, the students drop their complaints in writing. The complaints are taken and addressed the next day only.

5.4 - Alumni Engagement

5.4.1 - Whether the institution has registered Alumni Association?

No

5.4.2 - No. of enrolled Alumni:

0

5.4.3 - Alumni contribution during the year (in Rupees) :

3000

5.4.4 - Meetings/activities organized by Alumni Association :

NIL

CRITERION VI - GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 - Institutional Vision and Leadership

6.1.1 - Mention two practices of decentralization and participative management during the last year (maximum 500 words)

Response: The very success of any institution depends on effective delegation of responsibilities and delivery of outcomes through participation of all stakeholders. The decentralization and participative management in our institution can be broadly visualized under two heads: 1. Decentralization and Participative management in General Administration 2. Decentralization and Participative management in Academic Administration Followings are few of the set activities, that comes under General Administration where participative and decentralized approach have been used to obtain effective outcomes. 1. Institution Annual Day Celebration 2. Department Promotional Committee 3. Annual Techfest Day Celebration 4. Implementation of various IQAC Initiatives 5. Activity of Library Management Committee 6. Extension and Student Welfare Activities 7. Activities of Annual Magazine Committee 8. Research and Development Activities Similarly, followings are few set of activities that comes under Academic Administration, where we implement participative and decentralized approach in getting things done effectively. 1. Activities of Central Timetable Committee 2. Students and Mentoring Activities 3. Activities of Tech Clubs-Both Institution and Department Level 4. Industrial Visit 5. Institution Innovation Cell Activities 6. Seminar and Workshop Organizing Activities 7. Activities of Laboratory Maintenance Committee A Case Study: Annual Day Celebration: The tune and scale with which the Annual Day Celebration is celebrated in the institution, it by default requires involvement and participation of faculty members and students across all the departments of the institution. Centrally the responsibilities lie with the cultural committee of the institution, which remains functional under the chairmanship of one of the Dean of the institution. For various events and activities of the Annual Day Celebration, faculty coordinators from all the departments are nominated to the cultural committee. An appropriate number of student volunteers and coordinators gets also nominated to the cultural committee, which spearhead the entire days activities of Annual Day Celebration. Proper planning including the scheduling and execution plan of the activities gets finalized in the meetings of cultural committee, and the task gets distributed among all faculty coordinators. Each faculty coordinators are allotted with student coordinators and student volunteers, who extend their support to concerned faculty coordinators for a smoother and effective organization of the event and activities. Second Case Study: Central Timetable Committee (CTC): Central Timetable Committee prepares and circulate timetable for various activities that include both curricular and co-curricular activities. The CTC comprises of faculty coordinators from each department of the institution and is headed by a faculty member not below the rank of Professor. The committee receives input for various curricular and co-curricular activities from different departments through the respective faculty coordinators, well before the commencement of the academic session. Once all the inputs get consolidated, the committee finally carve out a thoroughly designed timetable for the entire institutions.

6.1.2 - Does the institution have a Management Information System (MIS)?

Partial

6.2 - Strategy Development and Deployment

6.2.1 - Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

Strategy Type	Details
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Curriculum Development	Being an affiliated college under Biju Patnaik University of Technology (BPUT), Odisha, Trident Academy of Technology (TAT) does not enjoy the freedom of developing its own curriculum for regular academic delivery. However, in line with the philosophy of imparting Outcome based Education, the IQAC always takes proactive step in designing appropriate beyond-curriculum syllabus to tune the academic delivery system being followed for different programs running in the institute so as to make the student industry ready, fortified with the conceptual clarity with respect to prevailing technology, current trend and upcoming developments.
Teaching and Learning	The Teaching and Learning methods adopted by Trident Academy of Technology as a part of imparting outcome based education involves general class room delivery methods using chalk and talk practice, all class rooms being equipped with ICT based teaching support Infrastructure to help faculty members to involve presentation and demonstration of working models. In addition, faculty members adopt variety of innovative teaching practices such as Experiential Learning, Quiz, Group Discussion, Case Studies, Guest Lectures by Industry Experts, Assignments (Micro and Mini Project) to make the learning experience more productive.
Research and Development	The Institute always emphasizes on promoting research and development activity through publication of articles by both faculty members and students in indexed national and international journals of repute, book chapters, filing patents, applying for research and consultancy project proposals for receiving grant from funding agencies. Students are continuously motivated for innovation promotion through their participation in ideation boot camps, startup promotion workshops, in-house technical clubs, hackathons and other competition events. The research cell of the institute on a regular basis invites eminent researchers from reputed institutes to induce a conducive research ecosystem prevail in the institute's academic framework.
Library, ICT and Physical Infrastructure / Instrumentation	The well versed collection of large number of books, journals, magazines and periodicals covering Management, Engineering and other allied disciplines available in the Central Library of the Institute serves as an excellent learning support for the staffs and students to satiate their crave for academic knowledge acquisition, support their research and training interest. The Wi-Fi enabled digital learning infrastructures in the form of e-library facility and high speed internet connectivity in the central library has become an indispensable academic resource. Most importantly, the collection of lab manuals, lecture notes and previous year question papers are of prime importance.
Human Resource Management	The General Office Administration of the Institute composed of DGM(Administration), Administrative Officer, Asst. Administrative Officer along with a battery of support staffs is responsible for addressing the Institute's need for Human Resource Management. In this regards, the Office Administration takes care of recruitment, rewards and promotion and grievance redressal for both technical (teaching, non-teaching and maintenance) and non-technical (office and support) staffs. Continuous effort of the Institute's management for Professional Development through financially supported participation in FDPs, Workshops, Seminars is a constructive approach for manpower development of the institute.
Examination and Evaluation	The Institute's examination system comprises of a framework operating from a full and independent Examination Cell under the full administrative control of Professor-in-Charge of Examination with a number of supportive subordinate staffs: Examining Coordinators, Office Assistants and other ground level staffs collectively looking into a variety of examination related activities, such as collecting Question Packets and Answer Scripts from the University, conducting University Examination, Internal Assessment Tests, collection and dispatch of sealed answer scripts to the University, collection of student registration data, conducting lab tests, seminar, viva-voce, project and internship evaluation, making result analysis and maintaining progress statistics.
Industry Interaction / Collaboration	Apart from veteran academicians from reputed institutions being in the Academic Advisory Committee of the Institute, also includes experts from reputed Industries those who form the pivoting elements to setup and steer Industry-Academia Interface with the institute for promoting collaborative knowledge exchange. In addition to this, TAT has signed MoU with Cisco to become the Cisco Academy Support Center (ASC) and also has signed MoU with National Skill Development Corporation (NSDC) to operate in a Win-Win mode i.e., the Industry partner under MoU will provide Internship support to our meritorious students, impart industry ready value added technical courses.
Admission of Students	Admission into different academic programs of the Institute is governed by the regulations and guidelines as stated by BPUT and AICTE. The selection process for entry into B.Tech. degree programs is the JEE Main and Odisha JEE GATE and OJEE is for admitting candidates into M. Tech programs and valid score from CAT, MAT, XAT, PGAT and ATMA are for admission into the MBA stream through OJEE counselling. For admission in to MCA program, the eligibility criteria is

valid OJEE score with minimum academic qualification of Bachelor's degree and Mathematics as a subject in class XII or in graduation.

6.2.2 - Implementation of e-governance in areas of operations:

E-governance area	Details
Planning and Development	Trident Academy of Technology is accredited by both NAAC and NBA on the basis of its culture of following quality practices and approved standards. This accreditation shows and encourages the institute to maintain the qualitative as well as quantitative services related to both academic and non-academic activities of the institute. The management of the Institute supports in providing all requisite inputs for improving the quality of overall teaching and learning process, support the training and placements activities, etc. to achieve the set benchmarks. The in-house developed TAT e-Governance suit at present supports in maintaining appropriate academic delivery records.
Administration	The responsibility of the general administration of the management of the Institute lies in imparting trusted quality services to all the stake holders (students, teaching, non-teaching and other general staffs and employees) and functionalities (academic delivery through sound teaching and learning process other quality services, such as accounts, budgetary activity, establishment, stores and purchase, admission and recruitment, examination - both internal and external, security and discipline, grievance redressal, transport, infrastructure, ICT, hostel, etc.) at all levels. Different modules of the in-house developed academic information system - TAT e-Governance suit at present supports the general administration by automating a few key functionalities.
Finance and Accounts	In order to maintain transparency in all financial transactions and accounts matter, the in-house developed academic information system (AIS) - TAT e-Governance suit, accessible at https://ais.tat.ac.in/ais/ , at present supports accounts department of the institute in administering collection of students fee, outstand dues for both regular academics, hostel accommodation and other facilities, such as transport services. But, at present, Institute takes the help of COTS packages to support maintenance of all other financial transactions and accounts activities. As a routine activity, the Institute management carries out the audit of the accounts record and transactions on an annual basis.
Student Admission and Support	Immediate after a candidate's reporting in the Institute for taking admission through OJEE counseling, the in-house developed academic information system (AIS) - TAT e-Governance suit, accessible at https://ais.tat.ac.in/ais/ , supports the student admission process and other functionalities, such as keeping and validating students admission records, issue Fee Structure, issue of fee and dues outstanding statement to support student in approval of academic loan and bank finance, maintaining student database, filling of admission, scholarship, BPUT registration forms, etc. The AIS also allows the student to log into the e-Governance suit and access own accounts and academic related information in detail.
Examination	TAT has a full functional independent examination cell headed by a Professor-in-charge. The in-house AIS helps the examination cell in accessing student's academic track records and background data, their subject choice and registration details, Internal examinations and laboratory mark entry status. The examination cell of the Institute is well-equipped with all ICT based requisite office automation infrastructures, such as scanners, printers, computers and internet facilities. TAT being an approved Local examination script evaluation center of the Biju Patnaik University of Technology, all the communications are carried out through the online process as per the stipulated guidelines of the university.

6.3 - Faculty Empowerment Strategies

6.3.1 - Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2018	Mr. Deepak Kumar Mohapatra	Faculty development program (FDP) was conducted from 25th June to 30th June, 2018 was conducted at CTTC, Bhubaneswar on CNC Programming and Operations	CTTC	5000
2018	Mr. Dipti Ranjan Panda	Faculty development program (FDP) was conducted from 25th June to 30th June, 2018 was conducted at CTTC, Bhubaneswar on CNC Programming and Operations	CTTC	5000
2018	Mr. Sambit Mohanty	Faculty development program (FDP) was conducted from 25th June to 30th June, 2018 was conducted at CTTC, Bhubaneswar on CNC Programming and Operations	CTTC	5000
2018	Mrs Kalyani Pradhan	Faculty development program (FDP) was conducted from 25th June to 30th June, 2018 was conducted	CTTC	5000

at CTTC, Bhubaneswar on CNC Programming and Operations

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6.3.2 - Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2018	FDP on How to write application for Funded Project	Nil	18/09/2018	20/09/2018	81	Nil
2018	Nil	Interpersonal Skills at work place	13/12/2018	15/12/2018	Nil	56
2018	FDP on CNC Programming and Operations	Nil	25/06/2018	30/06/2018	4	Nil

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6.3.3 - No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
Faculty development program (FDP)	81	18/09/2018	20/09/2018	3
FDP on CNC Programming and Operations	4	25/06/2018	30/06/2018	6

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6.3.4 - Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
5	5	2	2

6.3.5 - Welfare schemes for

Teaching	Non-teaching	Students
KALYAN	KALYAN	STUDENT WELFARE SCHEME

6.4 - Financial Management and Resource Mobilization

6.4.1 - Institution conducts internal and external financial audits regularly (with in 100 words each)

Response: Trident Academy of Technology conducts both internal and external financial audits in regular manner. It has a fulltime Treasurer and Accounts section to ensure maintenance of annual accounts and audits. Internal Audit: The institute conducted its internal audit at the end of each month by Internal Auditors. External Audit: External Audit was conducted by a Chartered Firm Dharani Co after completion of the financial year for the Institute and the same have been submitted at end of every year. External audit is undertaken to evaluate and examine the financial statement of the organization The internal audit of TAT includes scrutiny of the following activities of the Institute. This includes scrutiny of the following: (a) All receipts from fee, donations, grants, contributions, interest earned and returns on investments. (b) All payments to staff, vendors, contractors, students and other service providers. 3. All observations/objections are communicated through their report. 4. Chartered Accountant of the Institute conducts regular accounts audit and certifies its Annual Financial Statements which are countersigned by the external CA. 5. Work of Internal Audit of the Institute has been entrusted to the Internal Auditor of the Institute. This is mainly pre-audit of major receipts and payments and concurrent/post audit of all other receipts and payments. He also pre-checks salary fixations, pension and gratuity payments and final payments of EPF. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department. The External Auditors verifies all the receipts, payments, cashbooks, bankbooks, vouchers, dead stocks, purchase registers, postage registers and expense bills of the financial year.

6.4.2 - Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
NA	0	NA

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6.4.3 - Total corpus fund generated

0

6.5 - Internal Quality Assurance System

6.5.1 - Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	Nil	Yes	Nil
Administrative	Yes	Nil	Yes	Nil

6.5.2 - Activities and support from the Parent - Teacher Association (at least three)

Parent Teachers Meetings are conducted Every Semester and the suggestions are received from the parents towards their ward's academic and personal growth. The feedback of the parents has directly helped in the admission process of the institute. Periodic meetings for staff and students are conducted at frequent intervals which provide a holistic environment for the teaching learning process in the institute.

6.5.3 - Development programmes for support staff (at least three)

Encouraging and providing them the opportunities for their professional growth. Regular Staff meetings are conducted to address their needs and redress their grievances. Opportunities for higher studies.

6.5.4 - Post Accreditation initiative(s) (mention at least three)

Constructions of Smart Classrooms to enable ICT based teaching and learning. Improvement in RD activities. Extensive Pre-Placement Training.

6.5.5 - Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	Yes
c) ISO certification	Yes
d) NBA or any other quality audit	Yes

6.5.6 - Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2018	ACADEMIC CALENDAR PREPARATION	18/06/2018	18/06/2018	21/06/2018	11
2019	PARENT TEACHER MEETING	10/03/2019	10/03/2019	10/03/2019	140

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CRITERION VII - INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 - Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Women of Wisdom-Self defence program	22/09/2018	22/09/2018	53	22
Health Awareness for females	09/02/2019	09/02/2019	60	20

7.1.2 - Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:

Percentage of power requirement of the University met by the renewable energy sources

• The College has signed MoU with SCGJ (Skill Council For Green Jobs, Govt. of India) to upscale the knowledge in Solar Energy • The college has a 2-kw peak solar Hybrid solar system which runs on both grid and Batteries, the batteries are charged by both 3-phase grid voltage and by Solar energy. This set up is supplied to the LED Street lights of our college • This year new machines are used in existing Sewage Treatment Plant . • Existing Solar Street lights are repaired by changing new street Light poles • As per the new policy of the state electricity board, CT with 3 phase 4 wire connection is done near the Net meter of solar Energy near the transformer • Green Environment and Regular tree planting

7.1.3 - Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	2
Provision for lift	Yes	2
Rest Rooms	Yes	3

7.1.4 - Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2018	1	1	03/11/2018	2	Blood group test camp	Blood group test	93

2019	1	1	05/01/2019	1	Induction programme for local students	General etiquette during study	103
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7.1.5 - Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Professional ethics hand book	02/07/2018	<ul style="list-style-type: none"> It is provided to all stakeholders of the Institution which highlights the desirable and undesirable acts related to the profession. The code of professional ethics is applied to administrative authority, Administrative staff, Teachers and Students. It deals with various vital components of professional ethics like Integrity, Accountability, Inclusiveness etc.
Human values hand book	02/07/2018	<ul style="list-style-type: none"> It deals with basic inherent moral inclinations towards kindness, honesty, loyalty, love, peace, sympathy, truth etc. that enhance fundamental goodness of human beings and society at large. It explains various practices regarding human values like Gender equality, Righteousness, Discipline, Non-Violence etc. Different core values followed by the Institute are: Social Well-being and Development, Striving for excellence etc.

7.1.6 - Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Independence Day	15/08/2018	15/08/2018	71
Swachha Bharat Abhiyan	02/10/2018	02/10/2018	50
Alumni meet	29/12/2018	29/12/2018	60
Republic Day	26/01/2019	26/01/2019	66

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7.1.7 - Initiatives taken by the institution to make the campus eco-friendly (at least five)

1. The campus of the institution has an eco-friendly environment which is located across 11 acres of land. 2. To keep the institution atmosphere clean, a number of dustbin has been placed at different locations within the campus. 3. The waste material comes out from food, toilets etc is always cleaned by the Bhubaneswar Municipal Corporation on regular basis. 4. The waste chemicals from different laboratory are properly handled and disposed separately. Also the waste from hostels, batteries and others are disposed off properly. The most dangerous bio-non degradable waste is Plastic which is minimized by creating awareness called "SAY NO TO PLASTIC". Overall disposal of different waste of the entire institution is taken care by local Municipal Corporation. 5. The e-waste disposal of the institution is done according to norms provided by State Pollution Control Board, Govt. of Odisha. The institute administration is responsible to find out the e-waste material from each department and take necessary action for their disposal. 6. Regular plantation is done inside the campus of the institution. 7. Promote to walk on foot to stay fit healthy and to reduce noise and vehicular pollution. 8. A pollution testing lab named as "ENVIROTECH CENTER" has been established having testing facilities for water, air, soil etc which is recognised by SPCB, Govt. Of Odisha as consultant.

7.2 - Best Practices

7.2.1 - Describe at least two institutional best practices

Best Practices 1. Title of the Practice: Committees and Welfare bodies. Objective of the practice: To obtain a participative and transparent institutional governance by decentralising the academic and administrative process. Context: In an effort to decentralise and streamline the academic and administrative process, the various committees are constituted. These committees, besides working towards a more efficient system of academics and the administration, also aim to inculcate in the members of the Institute a sense of responsibility towards and a belongingness for the Institution. Accordingly, the Institution allows all key decisions to be taken either by the committee of HODs or by the decentralised college committees. The practice:

All functionalities of the college are managed by 25 college committees consisting of some faculty members nominated by the committee of HODs. This ensures a transparent and decentralised governance. Some of the important committees include: Academic Monitoring Committee which is a diagnostic approach, cross referencing between curriculum and instructional elements. It provides guidance and support in improving the implementation of curriculum at the institute level. The committee understands the academic programs and supervises the teaching learning process on a routine basis. Principal and faculty members constitute Faculty Development and Performance Appraisal Committee which aims at professional development of technical teachers and researchers. The major focus of FDP is on upgrading the research and teaching skills of participants. FDP is designed as a specialized programme for career development of various technical faculties. The programme enables the participants to develop competence in understanding recent advances in research, to learn to improve ideologies and to improve presentation skills. Anti-ragging and Disciplinary Committee ensures ragging or harassment is prohibited inside the campus. Entrepreneurship and Innovation committee with Dr. Manas Ranjan

Chowdhury as the coordinator and one faculty member each from ETC, EEE, and Mechanical Engg. as members dedicatedly created an innovative and entrepreneurial culture in the institution and developed engineers with self-start-up potential. The other committees which contributed significantly to the smooth running of the system in the institute with accountability and belongingness are Canteen Committee, Scholarship Committee, Cultural Committee, E-Governance ampSystem co-ordinator Committee, Faculty Development amp performance appraisal Committee, Grievance Redressal Committee (General), Grievance Redressal Committee (women), Grievance Redressal (SC/ST), Entrepreneurship and Innovation Promotion, Industry interface (MoU, COE, Corporate Relations amp Student internship), DST-Inspire, Medical and Community Service, Cultural Committee, Industry interface (MoU, COE, Corporate Relations amp Student internship), DST- Inspire, Medical and Community Service, Library, Proctorial, Student and Staff Welfare, Revenue, Hostel-committee, Sports amp Games Committee, Attendance amp Performance Monitoring Committee, I.S.R. Committee, Career Guidance Committee. The practice was indeed successful in inspiring the students and the faculty for working together towards a better academic and organizational structure. Academic Monitoring Committee addressed the subject-wise weakness for all the students through sufficient tutorial classes and it was found that 60 percent of the weak students were able to catch up with the class in just 15 days. With the efforts of the I.S.R. Committee the Institute reached out to the distressed during natural calamities through its clubs like Manaana and Kartabya and provided relief to the victims. While appreciating the success of the college committees, the institute also had to take care of the challenges it had to overcome while initiating the college committees. Though some students were interested to contribute in these collaborative committees, some other students had to be counselled and encouraged to participate and contribute. Title of the Practice Proctorial System Objective of the practice: The main objective of the system is to maintain a healthy relationship between teachers and students so that it helps in the improvement of their overall academic performance and helps the students inculcate in them the life skills they need to take on life challenges. It would also enable the student to pick the right attitude, and that would ultimately help him/her choose a right career. The Context Quite often it has been found highly gifted students with rural back ground and lacking exposure to urban life style find it difficult to adjust with the environment which gets reflected in their poor academic record. The urban students also sometimes feel the peer pressure and get into depression. In particular, the scheme aims at addressing deficiencies in attitudes, habits, and knowledge of the students regarding study and learning. The Practice: A batch of 30 students is usually placed under the responsibility of a teacher, designated as their Proctor. The proctors meet the students associated with them once in a fortnight to acquaint themselves with their problem, grievance etc. both academic and non-academic and try to get it sorted out. The proctors maintained an academic progress report of their protegees which is shared with the parents periodically and arranged tutorial classes for the slow- learners. The practice was a huge success as it improved the number of participants in the extra- curricular and co-curricular activities. Students gradually became more organised. They opened up to their proctors and consequently, those students who were struggling with their academics, improved dramatically. The practice was claimed to be a grand success when the rural students, who were hesitant to face the public, showed interest to not only speak in the public but also perform in the cultural fests. Problems Encountered and Resources Required Allocating sufficient time for one- to- one student - faculty interaction every fortnight through mentorship program sometimes becomes a constraint for the faculty members. Holding regular orientation programme of mentorship for fresh resources is also a constraint.

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link

<https://tat.ac.in/best-practices/>

7.3 - Institutional Distinctiveness

7.3.1 - Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust in not more than 500 words

No data entered !!!

8.Future Plans of Actions for Next Academic Year

Application of ICT/e-governance in all the administrative amp academic section to make the campus fully automated. To make the campus eco-friendly and ensure a plastic free amp Tobacco free campus. Strengthening the Alumni database amp their contribution at the departmental level. To enhance amp upgrade the resources of Computer Lab facilities for creating Advanced Learning Environment. Usage of e-resources in all the academic departments. Trident Academy of Technology plans to increase the ICT enabled teaching atmosphere amp to increase the e-content development facility by teachers in the various platform. College plans to strengthen the staff development facility and organize regular training programs capacity building workshops for both teaching amp non-teaching staff members. College plans to incorporate the involvement of Alumni and industry partners in the various activities of the College. To increase national amp International Linkage with Industries amp higher education Institutions amp establish skill-driven Industry-Academia atmosphere in the College. To upgrade the evaluation system of the institute and internal Assessment through examination amp through regular online -MCQ's exam pattern, Mock Test and prepare the students for various competitive examination in a better way.