



# **SELF STUDY REPORT**

**FOR**

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

**JCT COLLEGE OF ENGINEERING AND TECHNOLOGY**

JCT COLLEGE OF ENGINEERING AND TECHNOLOGY, PICHANUR,  
COIMBATORE DISTRICT, TAMILNADU-641105.

641105

[www.jct.ac.in/engineering/](http://www.jct.ac.in/engineering/)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**October 2019**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

Shri Jagannath Educational, Health and Charitable Trust was established by renowned and philanthropic personalities with an objective of providing Education to all, especially the down trodden and rural populace. Considering the growing demands for Technical Education in the Country, the Trust started an Engineering College, namely, JCT College of Engineering and Technology (JCTCET) in Pichanur in Coimbatore in the academic year 2009-2010.

The Management strives hard to enhance the professional knowledge, skills and attitudes of educators; so that, they would in turn improve the Teaching-Learning process. The college aims at developing a deep understanding of the human values and social concerns among the Engineering Graduates.

Started with 3 UG Courses, now the Institute offers 9 UG Courses – Automobile Engineering, Civil Engineering, Computer Science & Engineering, Electrical & Electronics Engineering, Petrochemical Engineering and Petroleum Engineering and 4 PG Courses – Engineering Design, Power Electronics & Drives, Structural Engineering and VLSI Design.

Students are encouraged to get equipped and sensitized to understand full implications of their decisions, actions and ever inactions. Above all, the college promotes Technical Education to meet the requirements of a developing nation in the context of global competitiveness at the threshold of the twenty-first century.

A team of educated, enlightened, experienced technocrats with vision and firm determination to promote high quality of education will strive to provide every facility for achieving excellence.

### **Vision**

To emerge as a Premier Institute for developing industry ready engineers with competency, initiative and character to meet the challenges in global environment.

### **Mission**

- To impart state-of-the-art engineering and professional education through strong theoretical basics and hands on training to students in their choice of field.
- To serve our students by teaching them leadership, entrepreneurship, teamwork, values, quality, ethics and respect for others.
- To provide opportunities for long-term interaction with academia and industry.
- To create new knowledge through innovation and research.

### **Quality Policy**

- To create quality professionals to meet the emerging Industrial, Social and Economical needs.
- To create a good ambiance to the Students for their Academic Excellence and Innovation.

- Enhancing the skills and Knowledge of the Faculty and Staff through career development programmes.
- Encouraging and fostering a spirit of teamwork.
- Aiming at continual Improvement in all our activities.
- The management supports the team of educators to improve their professional knowledge through career development programmes, which enhance them to bring out graduates with social values.
- Students are motivated to take up decisions and they are continuously updated with technical knowledge that is essential for a developing nation.
- Helps the students for career development by improving their communication skills and technical knowledge.

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

### **Institutional Strength**

- Highly transparent governance and administration with well-defined decentralization of authority by the Committed Management.
- In-house Management Software System (ERP) for effective implementation of academic and administrative procedures.
- Curriculum enhancement through Value Added Courses and teaching contents beyond syllabus both in Theory and Practical.
- Strong industry linkage for Internships and Field visits.
- Student centric practices with the help of Guardian and Teacher mentoring system.
- Brand Name and most preferred institution in the region of existence.
- Highly competent and committed young and dynamic team of Members of faculty with good percentage of retention.
- State of art infrastructure facility with disciplined and pleasant campus climate for Curricular, Co-curricular and Extra-curricular activities.
- Excellent training programs for better placements.
- Merit scholarships for the Students for their academic excellence.

### **Institutional Weakness**

- Lack of Consultancy and Research activities by the Members of Faculty.
- Limited availability of advance research laboratories.
- Lack of flexibility in admitting students from other states and abroad to our various degree programmes.
- Funding / financial support from Government and Non-Government organizations.
- Village location and poor admission quality.

### **Institutional Opportunity**

- Achieving Autonomous Status through attaining A Grade in NAAC.
- To strengthen collaboration with industry in research, consultancy, training, projects & Internships.
- To emerge as a role model in the field of engineering education by adapting best pedagogic practices.

- To attract meritorious student to improve results.
- To encourage more Members of faculty for pursuing Doctoral degree for undertaking more industry projects.
- To strengthen the extended community service by starting the social relevant clubs.

### **Institutional Challenge**

- Generation of more avenue of funding through research projects and consultancy.
- Cope up with the current competition in engineering education in the region.
- Rapid challenges in the area of technology warrants continuous up gradation of facilities and constant up gradation of skills of the Members of faculty.
- To improve the alumnae participation in the institute development activities.
- To increase number of quality publications with good index and impact.
- To increase number of patents and translation of technology into product.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- JCT College of Engineering and Technology is affiliated to Anna University. The Institution takes utmost care in effective curricular planning and implementation.
- Institute prepares academic calendar adhering strictly to the regulation and academic calendar prescribed by University.
- Academic monitoring is a continuous process for maintaining quality of teaching and learning.
- Institute offers industrial certificate courses to the students every year.
- Many faculty members are involved in university work.
- Faculty members also actively participate in the syllabus revision meeting.
- On the basis of feedback collected from the various stakeholders, faculty members give suggestions for curriculum enrichment.
- New courses are introduced in R17 syllabus from 2017-18 progressively. Academic flexibility is provided to the students by offering elective courses prescribed by the University.
- Credit based system for both UG and for PG programs have been introduced.
- In addition to the prescribed curriculum, institute gives lot of thrust on curriculum enrichment by offering additional skill oriented programs in terms of value added courses, seminars, workshops, industrial visits, internships, field projects for the overall development as well as enabling students for better job opportunities.
- Courses addressing issues like gender equality, environment and sustainability, human values and professional ethics are incorporated in the university curriculum.
- The institute takes care of gender equality and also inculcates ethical values and social responsibilities among faculties and students by conducting various activities.
- Structured feedback on Curriculum is collected from various stakeholders like students, teachers, parents, alumni, employer. Feedback collected is analysed and action taken report is made available on institute website.

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

- The Institute gets Students admitted for different programs through the Centralized Admission Process, Tamil Nadu Engineering Admissions - TNEA conducted by the competent authority of State Government of Tamil Nadu. The admission process ensures inclusion of Students from all categories through social reservations defined by State Government of Tamil Nadu.
- The institute is having well defined mechanism to assess the learning levels of the students. Advanced learners and slow learners are identified and appropriate measures are taken accordingly.
- For Advanced learners measures taken are, training program, guidance for Competitive Exams, publication of research papers etc.
- Measures like Mentoring for academic related issues, conduction of remedial classes , are taken for slow learners.
- Teaching learning process is student centric which is made effective by technologically enriching faculty members with the help of various training programs. Experiential and Participative learning are main focus in teaching learning process.
- Most of the teachers use innovative teaching methods, Learning Management System, ERP and ICT tools to increase the involvement of student in this process .
- Institute has implemented mentoring scheme for taking care of stress related issues.
- The institute has qualified and experienced faculty as per norms. Faculty members are encouraged to improve their qualification and to participate in research activities. Total 27 faculty members are having Ph.D. Degree and most of others are pursuing.
- College has given emphasis on implementing reforms in **Evaluation Process**. In Centralized Examinations and evaluation system, Internal examinations are conducted at central level and end semester examination is conducted on University pattern. The complete process is transparent and adhere strictly to the academic calendar.
- Course Outcomes (COs) are defined for all subjects and mapped with Program outcomes (POs) and Program Specific outcomes (PSOs) . Attainment levels of COs, POs and PSOs are calculated and if not satisfactorily attained, corrective measures are taken. The implementation of Outcome Based Education is evident through National Board of Accreditation of four UG Programs ( Mechanical Engineering, Computer Science and Engineering, Petrochemical Engineering, Electrical and Electronics Engineering).

## Research, Innovations and Extension

- The Institute is actively engaged in making adequate resources available, encouraging active research involvement of teachers and scholars in research as well as recognizing any achievement of teachers through research
- The faculty members submit research proposals to Government as well non Government agencies regularly. The research proposals have been sanctioned to faculty members resulted in fetching grants.
- Institute has created an Ecosystem for Innovation by setting up Incubation Center for Transfer of Knowledge. Institute makes sincere efforts for Transfer of Knowledge by conducting Workshops, Faculty Development Program, Conferences etc. Institute has Intellectual Property Rights (IPR) Cell. The Institute conducts Workshops & Seminars on (IPR) & Industry -Academia innovative Practices.
- Institute has stated Code of Ethics to check malpractice and Plagiarism in Research. The institute provides incentives to faculty members who receives Recognition/ awards.
- Faculty members and Students are motivated to attend Conferences, to Publish articles and for pursuing funded Research and Innovation. This has resulted in good number of publications in Conferences proceedings as well as in Journals
- For developing sensitivities towards community issues, gender disparities, social inequity etc. and to

inculcate values and commitment to society. National Service Scheme unit promotes Extension activities such as Swachh Bharat , AIDS Awareness, Gender Issue, blood donation camp, campus cleaning, educating school children awareness programs for environment, tree plantation etc in the neighbourhood community in collaboration with government and nongovernment units.

- 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 big way.

### **Infrastructure and Learning Resources**

- Institute has state of art infrastructural facilities to support teaching-learning, research and administrative services as per and above the AICTE norms. The institution has adequate physical facilities like classroom, seminar halls, laboratories, tutorial rooms, computing equipment, etc. The adequate facilities for extra-curricular activities like outdoor and indoor games, cultural activities, and health & yoga are available. Adequate number of classrooms and seminar halls are available with ICT facilities to satisfy the curricular and co-curricular requirements.
- The college has well planned spacious computerized library with large number of books, e-books, e-journals, e- materials and educational videos along with a browsing center. Library is automated using Integrated Library Management System software. The library has different sections along with multimedia room and reading room. Remote access to e-resources of the library is available to faculty members and students.
- The college is having computers in 3:1 student to computer ratio exclusively for the students with LAN and Wi-Fi facilities, and licensed software as per curriculum requirements. The college is having language lab for improving communication skills of students in addition to computer centre. The college is having internet facility as per norms. A facility for e-content development is available.
- The college campus is under the surveillance of CCTV cameras. The institute has maintenance cell with well planned and systematic procedure for maintenance of physical, academic and support facilities. Enough budget is allocated for the same. The equipment, furniture, computers and generator are well maintained. The college campus is lush green with well-maintained lawns, trees and plants.

### **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 fee concession to students under economically weaker class and meritorious students.
- Facilitating mechanisms like career guidance & placement cell, soft skill development cell 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 promote students for Vocational Education & Training.
- Institute has a well defined mechanism for redressal of grievances of students through Grievance Redressal committee, Anti-ragging committee & Sexual Harassment committee.
- The Institute concerns for student progression to employability and/or to higher studies.
- 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 competitive exams cell, institute motivate & guide 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 exhibit their talent, managerial skills and creativity through participation and organizing in various co-curricular and extra curricular activities.
- Their participation at university, national and international level brought good number of awards to the college.
- The students actively participate in academic and administrative decisions at institute level. Departmental student's forum 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/meeting. Alumni contribute for the development of students through financial and non-financial means. Alumni help students for placement & career planning.

### Governance, Leadership and Management

- JCT College of Engineering and Technology is a flagship institute run by Shri Jagannath Educational Health and Charitable Trust established in 2009-10. The institute strives to bring excellence with the involvement of the governing body and stakeholders to achieve the vision, mission and goals of the institute. Effective **leadership** has developed the **organizational culture** in the institute. The Governing Body give guidelines for framing policies of the Institute in tune with the vision and mission.
- The institute believes in practicing **decentralization** and involves stakeholder's representatives in decision **making**. The vision and mission of the college is well articulated
- The institute has developed the **strategic plan** to achieve the goals which is deployed in a transparent and effective manner. Principal & Heads of the department, plan and implement quality improvement strategies taking into consideration the feedback of all stakeholders.
- College has well framed statutory and non-statutory cells as per the norms of regulatory bodies like AICTE / UGC / Anna University.
- Institute has different cells consisting of stakeholder's representatives. Committees/cells work effectively to meet the objectives.
- The college has implemented e-governance in areas like academics, administration, admission etc. to make the system effective.
- Institute has appraisal system to asses performance of teaching and non teaching staff. The institute believes that the success of the institute depends on the quality of human resources and focuses on employee performance.
- The Institute provides welfare measures like Group Insurance, Lien facility, and study leaves etc. to the staff. Financial support is provided to faculty members for attending conference, workshop, STTPs etc. as per the institute policy.
- All finance and accounts are duly audited regularly. The resource mobilization strategy provide guidelines for mobilization and optimal utilization of resources.
- Internal Quality Assurance Cell (IQAC) monitors, reviews, and evaluate academic and administrative processes to ensure the quality. The four programs (Mechanical Engineering, Computer Science and Engineering, Petrochemical Engineering, Electrical and Electronics Engineering) are NBA accredited. The institute is participating in NIRF.

## **Institutional Values and Best Practices**

- Women Empowerment is facilitated by several activities, by which the Institute raises awareness about gender- equality and ensures fair treatment for all.
- Safety and security of students and 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 and renewable energy usage among students.
- The institute spends a considerable amount of its budget towards Green Practices.
- 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 persons.
- The institute has its core values and code of conducts adhered to by all within the campus.
- The locational advantage has been explored and is being reaped by the Institute. Similarly the disadvantages have been identified and steps have been taken to overcome them.
- The Institute engages itself in various social activities for the benefit of the nearby communities, including sharing of infrastructure.
- All the major anniversaries of national importance are celebrated 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.
- A number of 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. Amongst the several practices, most prominent are (1) Integrated Academic Management System (IAMS) and (2) Skill Development through Industry sponsored Laboratories.
- The Institute is highly distinctive in Integrated Diversified Techno Values, as we have majority of Students from both the states of Tamil Nadu and Kerala. The high levels of different Ethical and Cultural Values, the Students are executing various services to the benefit of the local village People utilizing their technical skill. The focus is on improving the livelihood of the Villagers by providing the training on latest electronic gadgets for channelizing their efforts.



## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	JCT COLLEGE OF ENGINEERING AND TECHNOLOGY
Address	JCT College of Engineering and Technology, Pichanur, Coimbatore District, Tamilnadu-641105.
City	Coimbatore
State	Tamil Nadu
Pin	641105
Website	<a href="http://www.jct.ac.in/engineering/">www.jct.ac.in/engineering/</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	G. RAMESH	0422-2636900	9361433301	0422-2636901	principal@jct.ac.in
IQAC / CIQA coordinator	V.J.ARULK ARTHICK	-	9361488804	-	iqac@jct.ac.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	22-06-2009

**University to which the college is affiliated/ or which governs the college (if it is a constituent college)**

State	University name	Document
Tamil Nadu	Anna University	<a href="#">View Document</a>

**Details of UGC recognition**

Under Section	Date	View Document
2f of UGC	27-04-2016	<a href="#">View Document</a>
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>	29-04-2019	12	

**Details of autonomy**

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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**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	JCT College of Engineering and Technology, Pichanur, Coimbatore District, Tamilnadu-641105.	Rural	30	43840

## 2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Automobile Engineering	48	Twelve standard or Higher Secondary Education for Regular and Diploma for Lateral Entry	English	60	60
UG	BE,Civil Engineering	48	Twelve Standard or Higher Secondary Education for Regular and Diploma or Lateral Entry	English	60	60
UG	BE,Computer Science And Engineering	48	Twelve Standard or Higher Secondary Education for regular and Diploma for Lateral Entry	English	120	120
UG	BE,Electrical	48	Twelve	English	60	60

	And Electronics Engineering		Standard or Higher Secondary education for regular and Diploma for Lateral Entry			
UG	BE,Electronics And Communication Engineering	48	Twelve Standard or Higher Secondary Education for Regular and Diploma or Lateral Entry	English	60	60
UG	BTech,Food Technology	48	Twelve Standard or Higher Secondary Education for Regular and Diploma for Lateral Entry	English	60	60
UG	BE,Mechanical Engineering	48	Twelve Standard or Higher Secondary Education for Regular and Diploma for Lateral Entry	English	120	120
UG	BTech,Petroleum Engineering	48	Twelve Standard or Higher Secondary Education for Regular and Diploma for Lateral Entry	English	60	60
UG	BE,Petrochemical	48	Twelve Standard or	English	120	120

	Engineering		Higher Secondary Education for Regular and Diploma or Lateral Entry			
PG	ME,Civil Engineering	24	UG Engineering	English	18	18
PG	ME,Electrical And Electronics Engineering	24	UG Engineering	English	18	18
PG	ME,Electronics And Communication Engineering	24	UG Engineering	English	18	18
PG	ME,Mechanical Engineering	24	UG Engineering	English	18	18

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

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	16				28				118			
Recruited	15	1	0	16	23	5	0	28	73	45	0	118
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				40
Recruited	22	18	0	40
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				30
Recruited	24	6	0	30
Yet to Recruit				0

### Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	16	1	0	5	1	0	4	1	0	28
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	17	5	0	72	40	0	134

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			
	Male	Female	Others	Male	Female	Others	Male	Female	Others	Total
D.sc/D.Litt.	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

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

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	562	967	0	0	1529
	Female	197	98	0	0	295
	Others	0	0	0	0	0
PG	Male	2	12	0	0	14
	Female	2	16	0	0	18
	Others	0	0	0	0	0



Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	201	153	137	126
	Female	60	68	32	14
	Others	0	0	0	0
ST	Male	6	6	3	1
	Female	2	2	0	0
	Others	0	0	0	0
OBC	Male	457	455	865	860
	Female	151	159	136	130
	Others	0	0	0	0
General	Male	897	1011	678	0
	Female	82	102	93	681
	Others	0	0	0	86
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		1856	1956	1944	1898

## Extended Profile

### 1 Program

#### 1.1

**Number of courses offered by the institution across all programs during the last five years**

**Response: 448**

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

#### 1.2

**Number of programs offered year-wise for last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
13	13	13	13	13

### 2 Students

#### 2.1

**Number of students year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
1856	1956	1944	1898	1823

File Description	Document
Institutional Data in Prescribed Format	<a href="#">View Document</a>

#### 2.2

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

2018-19	2017-18	2016-17	2015-16	2014-15
505	505	505	505	505

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

**2.3****Number of outgoing / final year students year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
483	511	529	466	430
File Description		Document		
Institutional Data in Prescribed Format		<a href="#">View Document</a>		

**3 Teachers****3.1****Number of full time teachers year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
162	188	190	179	149
File Description		Document		
Institutional Data in Prescribed Format		<a href="#">View Document</a>		

**3.2****Number of sanctioned posts year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
162	188	190	190	159
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

**4 Institution****4.1****Total number of classrooms and seminar halls****Response: 43****4.2****Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)**

2018-19	2017-18	2016-17	2015-16	2014-15
1000.17	898.91	690.20	560.65	523.37

### 4.3

**Number of computers**

**Response: 581**

NAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The institution ensures effective curriculum delivery through a well planned and documented process

##### Response:

JCT College of Engineering and Technology is affiliated to Anna University and follows an academic curriculum prescribed by the University. The College undergoes the following methods for effective implementation of the curriculum:

- Institute Academic calendar is outlined adhering to University announced Calendar of Events
- Rigorous academic delivery plan and monitoring system to encourage innovative thinking, problem-solving capabilities and research orientation among learners.
- Planning and monitoring of overall academic activities and its functioning through active Internal Quality Assurance Cell (IQAC)
- Department Advisory Committee (DAC) carries out the study/investigation to reveal whether the syllabi and its contents intentionally and systematically provide students with opportunities to attain the appropriate knowledge, skills and attitudes. This process helps to identify the gap between the University Curriculum and Program Outcomes. The identification leads to rectification/remediation.
- Principal conducts a common meeting with all teaching and non-teaching staff before the commencement of every semester. Students are made aware of commencement of semester through common notice.
- HOD allocates the teaching load based on the curriculum to faculty members on the basis of competency matrix, experience and performance in previous years. Time table is framed with provision for Value Added Programmes (VAP), seminar and library hours.
- Each faculty prepare their course plan in-line with the departmental academic calendar. The detailed course file with checklist provided by IQAC is prepared by each faculty. Schedule of internal, external and project examinations are displayed on notice board from time to time.
- Institute has adopted innovative and creative teaching-learning process, tools and techniques by implementing the advanced concept of pedagogy, use of ICT, learning management system, student-centric methods, participative learning etc. for enhancing teaching and learning experience.
- The curriculum delivery is ensured by supplementing classroom teaching with expert lectures from industry, seminars, mini projects, in-house and industry interacted projects, industry visits, industrial internships, hands-on-sessions, tutorials, case studies, e-learning, NPTEL lectures, certificate courses, technical quiz, assignments, internal-tests etc.
- Contents beyond curriculum are identified and taught both in the classroom and in the laboratory to expose students to recent trends in the industry. Institute has taken initiative to provide soft skill training, value added courses and counselling for holistic development of students.
- Faculties are encouraged to take part in refresher courses, workshops, FDPs and certification

courses for skill up gradation.

- Student's progress can be easily monitored in ERP software.
- Each faculty is entrusted with the task of mentoring 15 students on academic and personal issues, thereby strengthening the bond between teachers and students.
- Monitoring of course delivery and syllabus completion through formal and informal feedbacks. Systematic examination process, standard question papers, proper and prompt evaluation and dispatch of reports to parents.
- Encouraging students to do innovative project work in national level. Motivating students for doing research work and present papers in seminars and conferences and publish in journals.
- Adequate emphasis is given for co-curricular and extra-curricular activities and a plethora of opportunities are offered to enrich one's personality. Every week, 3 hours are conserved for these activities.

### 1.1.2 Number of certificate/diploma program introduced during the last five years

**Response:** 76

#### 1.1.2.1 Number of certificate/diploma programs introduced year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
14	12	14	12	10

File Description	Document
Details of the certificate/Diploma programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.1.3 Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years

**Response:** 2.25

#### 1.1.3.1 Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	2	01	0	0

File Description	Document
Details of participation of teachers in various bodies	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

<b>1.2.1 Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</b>  <b>Response: 77.46</b>	
1.2.1.1 How many new courses are introduced within the last five years  Response: 444	
File Description	Document
Details of the new courses introduced	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
<b>1.2.2 Percentage of programs in which Choice Based Credit System (CBCS)/Elective course system has been implemented</b>  <b>Response: 100</b>	
1.2.2.1 Number of programmes in which CBCS/ Elective course system implemented.  Response: 13	
File Description	Document
Name of the programs in which CBCS is implemented	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
<b>1.2.3 Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</b>  <b>Response: 61.43</b>	
1.2.3.1 Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years	

2018-19	2017-18	2016-17	2015-16	2014-15
371	184	376	237	349

File Description	Document
Details of the students enrolled in Subjects related to certificate/Diploma/Add-on programs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 1.3 Curriculum Enrichment

#### 1.3.1 Institution integrates cross- cutting issues relevant to Gender, Environment and Sustainability, Human Values and Professional Ethics into the Curriculum

##### Response:

The Institution believes that integrating cross cutting issues with the curriculum would create positive effect on the student in terms of their education and societal commitment. Courses in Environment and Sustainability, Human values and Professional Ethics are offered by the College.

##### Gender

In order to create increased awareness among students towards gender issues, an awareness seminar on gender sensitization is introduced for the students and is effectively implemented by the college. The aim of gender sensitization program is to bring definite orientation in the thinking practices and approach of individuals concerning gender. The program deals with issues pertaining to the relationship between men and women, caste, declining gender ratio, struggles with discrimination, sexual harassment, new forums for justice. Gender equity is attained by conducting programs like seminars, debates, group discussions for both boys and girls on a single platform.

##### Environment and sustainability

The College conducts neighborhood community activities through NSS dept. The outstretch activities organized by the College enhance the students' learning experiences and inculcate the values and skills in them.

Through these activities the students get socialized and learn to think beyond individual interests and for social welfare. The theoretical knowledge got in the classroom can be applied for the benefit of society. Teamwork, Leadership Skills, Effective Communication Skills, and Effective Decision Making are just a few things students learn while participating and organizing various Projects and programme under these activities. The students get a wonderful platform to learn about culture, traditions and values of people. These out stretch activities help the students to contribute in national development and social integration, and also inculcate value of male –female equality, humanity and notion of equal rights. The additional activities also create awareness about bad social practices in a society and prepares them for



eradication of it.

The curriculum course introduced helps the students to understand the importance of ecological balance for sustainable development, the impacts of developmental activities as well as mitigation measures and understanding the environmental policies and regulations

### **Disaster management**

This course gives the capacity to integrate knowledge and to analyze, evaluate and manage the different public health aspects of disaster events at local and global levels, even when limited information is available. It also gives the capacity to describe, analyze, and evaluate the environmental, social, cultural, economic, legal, and organizational aspects influencing vulnerabilities and capacities to face disasters. It also helps in the design and performs research on the different aspects of the emergencies and disaster events while demonstrating insight into the potential and limitations of science, its role in society and people responsibility for how it is used.

### **Human values and Professional Ethics**

This course help the students to appreciate the essential complements between 'Values' and 'Skills' to ensure sustained happiness and prosperity which are the core aspirations of all human beings. To facilitate the development of a holistic perspective among students towards life, profession and happiness based on a correct understanding of the human reality and the rest of existence.

### **1.3.2 Number of value added courses imparting transferable and life skills offered during the last five years**

**Response: 77**

1.3.2.1 Number of value-added courses imparting transferable and life skills offered during the last five years

Response: 55

<b>File Description</b>	<b>Document</b>
Details of the value-added courses imparting transferable and life skills	<a href="#">View Document</a>
Brochure or any other document relating to value added courses.	<a href="#">View Document</a>

### **1.3.3 Percentage of students undertaking field projects / internships**

**Response: 22.95**

1.3.3.1 Number of students undertaking field projects or internships

Response: 426	
File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

<b>1.4.1 Structured feedback received from 1) Students, 2) Teachers, 3) Employers, 4) Alumni and 5) Parents for design and review of syllabus-Semester wise/ year-wise</b>  <b>Response:</b> A. Any 4 of the above	
File Description	Document
URL for stakeholder feedback report	<a href="#">View Document</a>

<b>1.4.2 Feedback processes of the institution may be classified as follows:</b>  <b>Response:</b> A. Feedback collected, analysed and action taken and feedback available on website	
File Description	Document
Any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average percentage of students from other States and Countries during the last five years

**Response:** 14.46

##### 2.1.1.1 Number of students from other states and countries year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
213	305	274	273	305

File Description	Document
List of students (other states and countries)	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 2.1.2 Average Enrollment percentage (Average of last five years)

**Response:** 66.09

##### 2.1.2.1 Number of students admitted year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
408	572	487	473	479

##### 2.1.2.2 Number of sanctioned seats year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
732	732	732	732	732

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.1.3 Average percentage of seats filled against seats reserved for various categories as per applicable reservation policy during the last five years****Response:** 41.54

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

2018-19	2017-18	2016-17	2015-16	2014-15
206	262	209	200	172

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.2 Catering to Student Diversity****2.2.1 The institution assesses the learning levels of the students, after admission and organises special programs for advanced learners and slow learners****Response:**

The Secretary, Tamilnadu Engineering Admissions (TNEA), admits first year B.E./B.Tech students through single window system based on their Higher Secondary Examination (HSC) marks, and The Secretary, Tamilnadu Common Admissions (TANCA), admits first year M.E./M.Tech students through single window counseling based on common entrance test (TANCET). After the students got admitted to our institution, orientation programs are organized for the freshers to help them understand the engineering curriculum. Introductory lectures for all the subjects are devoted to discuss and understand special needs of the students. Students are categorized based on their previous qualifying examinations marks, assessment test, class room performances and personal performance. Assessing the students based on internal examinations helps to identify slow learners and quick learners. Direct second year, diploma students are given special classes for MATHS I and MATHS II to gain the knowledge about basics of mathematics. In order to motivate both the slow learners and advanced learners workshops are organized to enhance their skills. Guest Lectures are arranged for the students as to gain the knowledge about the experts to follow.

Students pass and technical knowledge are the very much important aspects for the best placement of the college. Result is improved by giving better attention to the slow learners. Two Slip tests per week and three continuous internal tests per semester are conducted to the students of all the branches. From the results of the first slip test for the first year and for the other students slip test and the previous year university results are considered to segregate the slow learners from the advanced learners. Students getting ? 50% marks slip tests and ? 3 arrears are consider as advanced learners, rest of them are slow learners.

**Programmes for Advanced Learners:**

- They are guided to refer international books for their study
- They are advised to do mini projects and are participating in the project competitions conducted by other institutions.
- Advanced learners are also involved in clearing the doubts of slow learners

They are also trained in the following areas as per their interest for the betterment of placements, competitive examinations and higher studies.

- English communication
- Basic computer programming
- Aptitude skills
- Leadership exposure and professional skill development
- Software oriented skills
- Coaching for GATE examination and Higher studies
- Group I and II examinations
- Department oriented skill developments for placement

In addition to academics, club, cultural and sports activities are conducted which foster leadership quality, decision making ability, team spirit, precision, analytical capability, socio-psychological awareness etc. which make an individual an intellectually mature being. The college puts forward efforts to realize total development of the student.

**Programmes for Slow learners:**

- Remedial Classes are conducted by the subject experts beyond working hours which is not a part of their time-table.
- Video presentation classes from NPTEL for better understanding in important topics
- Regular communication of the performance to the respective parents through post and mobile
- Effective mentoring and for the welfare of the students, 20 students are attached to a faculty mentor.

**2.2.2 Student - Full time teacher ratio**

**Response:** 401:35

File Description	Document
Any additional information	<a href="#">View Document</a>

**2.2.3 Percentage of differently abled students (Divyangjan) on rolls**

**Response:** 0

**2.2.3.1 Number of differently abled students on rolls**

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

## 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

#### Response:

The following are the various Student centric methods to enhance Teaching- Learning

#### Course Delivery Methods:

- Lectures and presentations
- Tutorials
- Laboratory exercises, Simulations and experimental exercises
- Written Assignments
- ELearning: NPTEL Videos, SWAYAM and online resources for self-learning,
- Learning management system(LMS) materials.
- Case Studies, Webinars and Spoken tutorial courses

The college encourages teachers to use the latest pedagogical teaching technology including audio–visual teaching aids. Student learning is enhanced by adopting approaches / methods such as seminars, conferences and special lectures. The faculty members are encouraged to participate in State / National level seminars and conferences for which beneficial assistance is given by the college.

Challenging assignments and projects are given to the students to hone up their intellectual calibre, sharpen their inquisitiveness, induce them to experience the thrill of learning and enjoy the pleasure of achievement

Study material and periodic assignments are also made available to the students . This enables students to come prepared for the classes. This practice has led to better interaction in the classrooms and laboratories.

Invited talks by experts from the industry and academia; and add on courses are organised by the departments, to cover contents beyond the syllabus and recent trends. MOUs are signed with leading industries to bridge the gaps in the curriculum.

#### Interactive Learning Environment:

- It consists of the interaction between students and interactive e-learning platforms.
- Case study to impart skills and enhance students interaction and involvement in learning process.
- Another mode of providing learning experience to students is arranging guest lectures, invited talks and student's seminars by the Department Associations.

### **Collaborative Learning:**

- The Institute also promotes industry sponsored projects and research projects through industrial visits and internship.
- In activity based learning students are encouraged to participate in project competitions, design contests, and various technical festivals.
- Arranging industrial visits and field visits for special surveys.

### **Independent Learning:**

- E-learning platforms are provided to facilitate independent learning wherein students can access course contents online. Thus e-learning platforms bridge the gap from classroom learning, and also supplement advanced learning.
- Available e-learning platforms include JLEKTZ(Learning App) learning resources through CDs and DVDs.
- Wi-Fi facility is available on campus to allow students to access technical resources such as NPTEL Lectures, video clips, etc.

Student-centric learning is provided in the practical sessions. **Experiential learning** is ensured through individual or group projects. Competitive and Team Spirits are developed through group discussions. Ability of problem-solving is attained through an algorithmic approach. ICT based learning is promoted through Assignment, Quiz. Analytical and presentation skills are shaped through a case study. Research activity is inculcated through paper presentation and publication.

**Interactive lectures** with questions and assignments for which students have to consult books and journals etc. from the library & also surf the internet for Topic-specific questions.

Separate document about the spoken tutorial and NPTEL course participants detail to be given. (Example: [mvjce.edu.in/teaching-and-learning](http://mvjce.edu.in/teaching-and-learning))

### **2.3.2 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc.**

**Response:** 100

#### **2.3.2.1 Number of teachers using ICT**

**Response:** 162

File Description	Document
List of teachers (using ICT for teaching)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Provide link for webpage describing the " LMS/ Academic management system"	<a href="#">View Document</a>

### 2.3.3 Ratio of students to mentor for academic and stress related issues

**Response:** 1856:135

#### 2.3.3.1 Number of mentors

Response: 133

File Description	Document
Any additional information	<a href="#">View Document</a>

### 2.3.4 Innovation and creativity in teaching-learning

**Response:**

Teaching-Learning is a phenomenon where the teacher and the student are learning. The teacher is refining his/ her subject knowledge and effective teaching skills, whereas the student finds it easier to understand the subject and its application. Traditional teaching has been replaced with more innovative and creative ways of disseminating, sharing and facilitating knowledge development in students. The various innovative teaching methods that our teachers follow to make their class more interesting are:

- Using an **LCD projector** to present lectures in an effective manner
- **Course materials and Question bank with answers uploaded** in the ERP website.
- Conducting **workshops/seminars** to update knowledge in domain areas.
- Using **smart classroom** for effective teaching
- Participating in the **Faculty Development programme** conducted by other colleges
- Demonstrating **project demo** to the students
- Arranging **lecture series** by **subject experts** in advanced technology
- Encouraging and empowering students to participate in **National & International Conferences and Journal Publications.**
- **Getting feedback from students to improve the quality of teaching**

**Case study:** They are constructed by stating a performance that describes specific knowledge, attitudes, or skills that a student should be able to demonstrate the following exposure to a learning activity.

#### Discussion Method

The discussion involves two-way communication between participants.



- Audio & Video tools
- Animated presentation
- Puzzles and Games
- Introduce concepts with a story
- Real-World Learning

Our faculty has been taking efforts with interest to demonstrate live/practical/ day-to-day examples, sometimes taking some live examples from the students to discuss a topic, coupled with technology. Newer approaches to teaching and learning such as Outcome-Based Learning (OBE) and Case Study.

- Laboratories with Internet Connection allow the students to widen their knowledge and skills.
- The students are made to think innovatively and implement their theoretical knowledge by doing mini-projects. A minimum of one mini-project and four seminar presentations are given to the students each academic year. These projects are evaluated on the basis of their innovativeness and practical application.
- The final year projects are evaluated on the basis of course outcome, innovativeness and practical applications. They have been given encouragement by awarding scholarships (prizes and certificates in college day functions)

Our College associated with uLektz Learning Solutions for providing innovative way teaching. uLektz is the social learning platform providing a one-stop solution for academics, skills and careers to students. It is available as Web-based Solution and also as Android App. This Android App is developed in our college name and it is available in the Google Play store through which students can get their Course Materials, Important Questions and Home Works by Mobile Phone itself. As we are associated with uLektz Learning Solutions, Thousands of their E-Books can be accessed by students in free of charge. It also enables the Staff to send Home Works and Study Materials.

(link:<https://play.google.com/store/apps/details?id=com.ulektz.JCTCET&hl=en>)

## 2.4 Teacher Profile and Quality

### 2.4.1 Average percentage of full time teachers against sanctioned posts during the last five years

**Response:** 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5 years	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>

**2.4.2 Average percentage of full time teachers with Ph.D. during the last five years****Response:** 10.6**2.4.2.1 Number of full time teachers with Ph.D. year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
26	22	19	16	08

File Description	Document
List of number of full time teachers with PhD and number of full time teachers for 5 years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**2.4.3 Teaching experience per full time teacher in number of years****Response:** 9.32**2.4.3.1 Total experience of full-time teachers**

Response: 1510.22

File Description	Document
Any additional information	<a href="#">View Document</a>

**2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years****Response:** 2.81**2.4.4.1 Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	1	0	0

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
e-copies of award letters (scanned or soft copy)	<a href="#">View Document</a>

#### 2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

**Response:** 4.09

##### 2.4.5.1 Number of full time teachers from other states year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
9	8	7	7	7

File Description	Document
List of full time teachers from other state and state from which qualifying degree was obtained	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Reforms in Continuous Internal Evaluation(CIE) system at the institutional level

**Response:**

University guidelines are strictly adhered to with respect to evaluation process. There are three internal tests conducted. The schedules of internal assessments are communicated to students and faculty in the beginning of the semester through institute academic calendar which is prepared based on the university academic calendar. Before a week internal exam time table is displayed on the notice board.

- Questions are framed, such that they adhere to Anna University standard. It follows the Bloom's Taxonomy and Outcome based Education in which CO's are attained.
- There are 5 Course Outcomes (CO's) for each subject. The first internal test question paper is prepared in which it covers two CO's, second internal test covers another two CO's, third internal test covers another one CO.
- The subject handling faculty prepares question bank that covers equal number of questions from each unit, covering all the topics Department internal exam coordinator under the guidance of HOD, checks for the standard of the question bank.
- Faculty prepares the answer key / Scheme of evaluation and it is documented with a copy of sample question paper for the future reference
- After every internal exam, the HoD and the Principal verifies the student performance by analysing

the individual subject result through course file.

Our Institution policies:

- JCT College of Engineering and Technology has adopted various methods to improve Internal Evaluation.
- Students are awarded with internal assessment marks as per the university norms.
- Three internal test and one model examination is conducted to award internal marks for students
- Students performance is evaluated through internal examinations.
- Retests are conducted for failures as well as absentees to boost the internal assessment.
- University questions are given as assignments for poor students.
- Continuous evaluation of student performance is carried out in laboratories as well as in class rooms.
- Bright and average students have the option of adopting student' centric evaluation like assignments, mini-projects, seminars, practical sessions and viva-voce.
- Outcome based education (OBE) system followed by the institution and each student should have achieved the goal.
- Each courses having Course Outcomes, based on CO, faculties mapping Co-PO and Co-PSO and calculate CO attainment. The result of CO attainment will also be used to evaluate the attainment of Programme Outcomes (PO) and the attainment of Programme Specific Outcomes (PSO)
- Institution falls under which group, low-risk students, medium- risk students or high-risk students. The result of CO attainment will also be used to evaluate the attainment of Programme Outcomes (PO). The outcome of analysis will be used to improve the teaching and learning experience in the particular course.

CIE norms include performance of students in the following parameters:

- Continuous assessment test, class test & preliminary examinations
- Continuous assessment of Assignments/Tutorials
- Mock practical/oral examinations

### **2.5.2 Mechanism of internal assessment is transparent and robust in terms of frequency and variety**

#### **Response:**

Institute is affiliated to Anna University, Chennai and the rules and regulations for evaluation process are laid down by the affiliating University and are communicated to students through syllabus copies supplied at the beginning of the first year of their academic program.

- Student attendance is periodically communicated (through SMS) to the parents.
- The answer scripts of examinations are shown to the students after evaluation to bring out the discrepancies if any, and to the notice of teacher concerned, and the necessary corrections are carried out.
- The students are made aware of the evaluation procedures including revaluation and challenge valuation, examination pattern of college and the university, well in advance through circulars as

well as the information printed in the college calendar.

- Three internal tests along with one model exam are conducted, the actual mark what the student obtained is entered in the web portal.
- The student attendance is displayed on the notice board in four phases as per the schedule is given by Anna University.
- The percentage of attendance and CIA test marks of each student is uploaded in the Anna University web portal.
- The student can view their attendance and marks using their login credentials and also the same will be mailed to their parents.
- The marks obtained by the students are made available at the ERP website for students and parents.
- Student performance is continuously monitored through the internal test and the students are divided into two categories ie., slow learners and advanced learners.
- Special coaching classes are conducted for the slow learner to improve their performance.

#### **Strategies adopted for facilitating Slow Learners:**

- The students who cannot score a minimum of 50 percentage of marks are found to be slow learners. For slow learner special attention is taken by mentor as well as concern subject faculties.
- The faculties regularly give assignments and conduct special coaching classes for slow learners.
- Extra classes are organized to clarify doubts and re-explaining of critical topics for improving the performance and also remedial classes are organized to clarify doubts, re-explaining of critical topics.
- Slow learners who are not able to manage with the teaching in regular classes are assisted through clarification of their doubts, revising important concepts and extra assignments to strengthen their learning.

#### **Strategies adopted for facilitating Advanced Learners:**

Advanced learners are identified through their performance in examinations, interaction in classroom and laboratory. Encouraging self-learning, E-Learning, participating in conferences, seminars. etc.,

#### **Strategies adopted for student improvement:**

- Hands-on training, webinars, and seminars are given for the students to improve their knowledge.
- Guest lectures are provided for the students by subject experts and industrial experts.
- ICT enables teaching methodology helps the students to understand the concept easily.
- Tutorial classes are conducted to all students for all branches of Undergraduate courses.
- University questions are given as Assignments and provide counselling for their carrier growth
- To provide additional details on the important topics to prepare for competitive examinations.

#### **2.5.3 Mechanism to deal with examination related grievances is transparent, time-bound and efficient**

**Response:**

- The internal examination and model examinations are conducted by the department. The exams are conducted based on the academic calendar. The dates, portions, time duration all are informed through circular to the students well in advance to the CIA test.
- The university has allocated 80% marks for the end semester exams and 20% internal marks.
- Timetable for the examinations, hall allotment and seating arrangement are displayed in the notice boards.
- Faculty members should prepare their subject question papers and the entire subject question papers verified and duly signed by the Head of the department to meet out the standards.
- After evaluation of internal assessment answer scripts, the scripts are given to students.
- Any grievances related to university question paper such as out of syllabus, repeated questions, missed marks, wrong question number during end semester exams are intimated to the principal, after making feedback analysis of university question papers by the subject handling faculties with Department Head, will be communicated to the university by the Principal.
- University decision or information after resolving the grievances is intimated immediately to the concerned departments, once it is obtained through the principal. It is also conveyed to the students through class coordinators and subject handling faculties.
- If a student has any grievances related to the evaluation of university answer scripts are intimated to the subject handling faculty and head of the department if necessary.
- In order to maintain transparency, students can apply for photocopy of their answer script and they may decide on re-valuation/re-totalling.
- If there is any deviation in awarding marks, it will be immediately clarified and rectified if required by the subject handling faculty. Those answers scripts are acknowledged by the students then they are collected and retained by the subject handling faculty. If any changes are made then the subject handling faculty will countersign in the paper.
- Then the finalized mark is entered in the ERP software.
- Then consolidated marks are sent to parents within a week through the letter.
- The result analysis of each examination will be prepared in the format provided and the same is duly submitted to the Principal by the class faculty adviser after obtaining the approval from the Head of the department.
- Slow learners and those who score very low marks in the internal assessment tests and model exams are allowed to appear for the re-test conducted by the faculty concerned. This provides an opportunity to improve their internal assessment marks.
- The class committee meeting is conducted by Head of the department along with concern subject handling faculty in respective classes
- Discipline committee conducts enquiry and based on the severity of the malpractice and duration taken for the receipt of proper explanation from the students and parents, the issue is closed after initiating proper action.
- Thus this mechanism provides complaint box, class committee meeting, and counselling hour, transparent, time-bound and efficient dealing of examination related grievances of the students.

#### **2.5.4 The institution adheres to the academic calendar for the conduct of CIE**

##### **Response:**

The institute prepares its own academic calendar for each semester by considering Anna University academic calendar. It incorporates all curricular, co-curricular and extra-curricular activities.

This calendar is displayed in notice board and institution website at the beginning of the semester and also circulated among to all the faculties as well as students. Regular meetings and reviews are conducted by HoDs and Principal. The reviews and corrective actions if any are discussed in the Principal meeting.

The CIE dates are based on the university academic calendar. After each CIE, the marks should be feed in the university web portal. Hence any deviation in the dates may create trouble to feed the marks in the university web portal. To avoid this institute adheres to the academic calendar. This way the institute adheres to the academic calendar for the conduct of CIE.

#### **Provision of CIE in academic calendar:**

The participation and performance of students in all such technical and extra-curricular activities are also a part of the motivation to write competitive examinations and involvement in studies.

It also includes the schedule of monthly attendance display and Internal assessment, class committee meeting, workshop, webinar, assessment etc.. This helps students to prepare for the same well in time. It also includes the schedule of display of results of these examinations. Academic calendar notifies the date of assignment retests. Student can submit assignments in time based on the academic calendar. Final year students carry out their project presentations as per the academic calendar. Before the practical/oral examinations, mock practical/oral examinations are arranged for the students. Schedule of this mock examination is also prescribed in the academic calendar. The academic calendar also gives the schedule of various experiential/participative activities designed by the institute as per the Project-Based Learning (PBL) Model such as Lab Innovations, Industrial Visits, Value Addition Programs (VAP), technical events.

Apart from the technical activities, academic calendar describes the tentative schedule of extracurricular activities such as sports and cultural events. In order to ensure the satisfactory performance of the students in the evaluation process, parents are also involved in discussions through parent meet organized as per the academic calendar. The institute takes efforts to communicate the requirements and progress of students in the evaluation process through the Teacher Guardian scheme. This helps in ensuring effective conduct of CIE and achieving desired outcomes.

## **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 on website and communicated to teachers and students**

**Response:**

**Mechanism of Communication of Program outcomes, program specific outcomes and course outcomes**

**The Vision, Mission, PEOs, POs and PSOs of all departments are published at :**

- College website
- HOD cabins , Meeting rooms , Departmental Library ,Department corridors

- Departmental Notice Boards, Class Rooms, Laboratories Notice Board
- Course Files ,Laboratory Journals
- Departmental News Letters & Departmental Magazines

#### **Course Outcomes are published at**

- College website
- Communicated by course teachers to the students.
- Available in Course files
- Available in lab manuals and practical records of students.

#### **Process of dissemination of Vision, Mission and POs / PSOs among the stakeholders and it's awareness:**

- The Vision, Mission and POs / PSOs are published on college website, departmental website through which it is disseminated to those stake holders who visits these websites.
- The Vision, Mission and POs / PSOs are displayed on flex board in HoD cabin, meeting room, departmental library, department corridors, Departmental Notice Boards, Class Rooms, and Laboratories, Notice Board etc. This also is one of the ways of conveying these to stake holders particularly students, faculty, parents, visitors etc.
- The Vision, Mission are published in Laboratory records. This is circulated among the students and hence is also the one way of conveying these to students, faculty, parent and other stake holders.
- Department conducts meeting of External stakeholders like industry persons, employer, alumni, parents and Internal Stakeholders i.e. students, faculty etc. once/twice in a year.
- Tentative schedule of these meeting is prepared by department in the faculty meeting. Procedure for conduction of these meeting is also discussed with senior faculty of the department. In each meeting Vision, Mission and POs / PSOs of the department are conveyed to the all internal and external stakeholders. This way all the stakeholders who attend meetings become aware of Vision, Mission and POs/ PSOs of the department.

#### **Process of dissemination of COs among the students:**

Newly admitted students are informed about COs in induction program. Every teacher, before start of his/her first lecture, informs course objectives and course outcomes. After completion of each unit of the course, teacher again informs about the CO..

#### **2.6.2 Attainment of program outcomes, program specific outcomes and course outcomes are evaluated by the institution**

##### **Response:**

##### **Attainment of Course Outcomes**

The assessment of course outcomes are through Internal examinations, assignments, Seminars, Projects, Viva voce. The internal questions are set with respect to blooms revised learning level. Each question is mapped to Course outcome. Program shall have set Course Outcome attainment levels for all courses.



Course Outcome is evaluated based on the performance of students in internal assessments and in university examination of a course. Internal assessment contributes 30% and university assessment contributes 70% to the total attainment of a CO.

### CO Assessment Tools:

The various assessment tools used to evaluate COs and the frequency with which the assessment processes are carried out are listed below

### Direct Assessment Tools

DIRECT ASSESSMENT TOOLS			
Course Type	Assessment Tools	Minimum Frequency	
Theory	Internal Assessments	Twice per course	
	University Exam	Once per course	
Practical	Daily Performance	Every lab session	
	Model Lab exam	Once per course	
	University Exam	Once per course	
Seminar	Presentation	Once for final year	
Project	Zeroth Review	Once per course	
	First Review	Once per course	
	Second Review	Once per course	
	Demonstration/external evaluation	Once per course	
	Evaluation by Guide	Continuous evaluation	

### **Attainment of Program Outcomes and Program Specific outcomes**

PO/PSO assessment is done by giving 80% weightage to direct assessment and 20% weightage to indirect assessment. Direct assessment is based on CO attainment where 80% weightage is given to attainment through university exam and 20% weightage is given to attainment through internal assessments. Indirect assessment is done through program exit survey, alumni survey and employer survey where program exit survey and employer survey are given a weightage of 25% each and alumni survey is given a weightage of 50%.

For CO,PO,PSO attainment the attainment levels shall be set considering average performance levels in the university examination or any higher value set as target for the assessment years. Attainment level is to be measured in terms of student performance in internal assessments with respect to the Course Outcomes of a course and in university examination. The attainment is calculated with rubrics set in each year.

Target may be stated in terms of percentage of students getting more than university average ,class average marks or set by the program in each of the associated COs in the assessment instruments (midterm tests, assignments, mini projects, reports and presentations etc.). Attainment is measured in terms of actual percentage of students getting set percentage of marks. If targets are achieved then all the course outcomes are attained for that year. Program is expected to set higher targets for the following years as a part of continuous improvement. If targets are not achieved the program should put in place an action plan to

attain the target in subsequent years.

### 2.6.3 Average pass percentage of Students

**Response:** 63.77

2.6.3.1 Total number of final year students who passed the examination conducted by Institution.

**Response:** 309

2.6.3.2 Total number of final year students who appeared for the examination conducted by the institution

**Response:** 483

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.7 Student Satisfaction Survey

2.7.1 Online student satisfaction survey regarding teaching learning process

**Response:** 3.84

## Criterion 3 - Research, Innovations and Extension

### 3.1 Resource Mobilization for Research

**3.1.1 Grants for research projects sponsored by government/non government sources such as industry ,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 6.42

3.1.1.1 Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0.54	0	0.11	00

File Description	Document
List of project and grant details	<a href="#">View Document</a>
e-copies of the grant award letters for research projects sponsored by non-government	<a href="#">View Document</a>

**3.1.2 Percentage of teachers recognised as research guides at present**

**Response:** 3.09

3.1.2.1 Number of teachers recognised as research guides

Response: 04

File Description	Document
Any additional information	<a href="#">View Document</a>

**3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year**

**Response:** 0.05

3.1.3.1 Number of research projects funded by government and non-government agencies during the last five years

Response: 02

3.1.3.2 Number of full time teachers worked in the institution during the last 5 years

Response: 890

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations including incubation centre and other initiatives for creation and transfer of knowledge

#### Response:

An Active “Innovation and Incubation Center” is functioning for nurturing and overseeing innovation and entrepreneurship. The aim is to encourage entrepreneurship among locals with the colleges serving as central points. It is a platform for nurturing, encouraging and developing innovation and entrepreneurial skills among the students, research scholars and alumni, as well as students of the region in and around Coimbatore. Entrepreneurship in India is on the verge of explosive growth. The investors, venture capital, media, startup clubs, Service providers, mentors and training companies are going to grow exponentially.

#### Objectives of the incubation centre:

- 1.To promote new technology/knowledge/innovation-based startups.
- 2.To provide a platform for speedy commercialization of technologies developed by the host institution or by any academic/technical/R&D institution
- 3.To build a vibrant startup ecosystem, by establishing a network between academia, industries and other institutions.
- 4.To provide cost-effective, value-added services to startups like mentoring, legal, technical, intellectual property related services.
- 5.To create jobs, wealth and business aligning with national priorities
- 6.To Motivate students and encourage them to take up entrepreneurship as a preferred career choice.
- 7.Preparing students for successful launching of their start-ups
- 8.Developing customized teaching and training materials for start-ups and engaging them in pre-startup activities
- 9.Capacity Building Activities for faculty as well as students

#### Salient features of the centre:

- 1.To encourage entrepreneurship and innovation and incubation of ideas.
- 2.To support the incubation and design the projects each year.
- 3.Each project will be executed by a team of entrepreneurs (students/alumni/ Industry)
- 4.Each project will be given infrastructural support such as workspace, internet etc.
- 5.The program will cater to the projects that solve problems and find the solution to local needs (district and state) rather than global problems and needs.
- 6.The problem can be from any discipline but one should provide an IT solution to the selected problem.
- 7.To facilitate the students to get internships through the companies which are under incubation.

**Technological development activities by Incubation centre:**

In the incubation centre, the technological development activities are carried out by the students and faculty members such as Mobile application development, Web development, Software testing, Administrative services, Software development and Mobile app development services.

An initiative supported by Ministry of Micro, Small and Medium Enterprise, Government of India. JCTCET aims to nurture technology and knowledge-based entrepreneur's right from the ideation stage to starting a business venture. The incubation facility at JCTCET will focus on working with the start-ups in the areas of;

- Nanotechnology
- Composite material
- Embedded Systems
- Internet of Things
- Electrical and Electronics
- Electronics Instrumentation & Sensors
- Automated Test Systems
  
- Applying for Patents and IPR
- Market study

**3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years**

**Response:** 52

**3.2.2.1 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years**

2018-19	2017-18	2016-17	2015-16	2014-15
00	01	00	02	00

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during the last 5 years	<a href="#">View Document</a>
List of workshops/seminars during the last 5 years	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 The institution has a stated Code of Ethics to check malpractices and plagiarism in Research

**Response:** Yes

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.3.2 The institution provides incentives to teachers who receive state, national and international recognition/awards

**Response:** Yes

File Description	Document
e- copies of the letters of awards	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.3.3 Number of Ph.D.s awarded per teacher during the last five years

**Response:** 0.8

##### 3.3.3.1 How many Ph.Ds awarded within last five years

**Response:** 03

##### 3.3.3.2 Number of teachers recognized as guides during the last five years

**Response:** 4

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

**Response:** 0.13

##### 3.3.4.1 Number of research papers in the Journals notified on UGC website during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
6	6	5	3	0

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 1.6

3.3.5.1 Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	19	3	1	2

File Description	Document
List books and chapters in edited volumes / books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Extension Activities

### 3.4.1 Extension activities in the neighbourhood community in terms of impact and sensitising students to social issues and holistic development during the last five years

**Response:**

JCT College of Engineering and Technology has conducted many extension activities through registered NSS unit, which takes the responsibility of community-based activities. NSS unit organizes programs such as Tree Plantation, Swachh Bharat, Cleanliness drive, blood donation camp, Visit to orphanages in the nearby villages. Organizing such events creates awareness about the society and their social responsibility.

Awareness programs are organized on gender equality, environmental awareness, NSS unit organized a guest lecture on topics like gender issues, women's security on different occasions. And also promotes



faculties from various department to organize and conduct different extension activities and workshop in other institutes which is located in and around Coimbatore. Under this, all departments have conducted many extension activities for society in vicinity and at different other locations. For holistic development of the students- tests, sports, cultural events, drama, technical and nontechnical events are organized.

JCTCET promotes institution-neighborhood community network by engaging students in all social activities. The institution not only concentrates on academic performance but also ensure the students to be a good citizen by teaching moral values. Students are encouraged to actively participate in social activities like Awareness against Drug, Blood stem cell donation awareness program, Dengue awareness, Sanitary survey, eye camp and rally on voter's day, road safety day and donating things to orphanage through national service scheme and social responsibility clubs.

The institution involves the students to actively participate in the extensional activity programs organized by,

- National Service Scheme (NSS),
- Social Responsibility Club,
- Red Ribbon Club,
- Women Empowerment Cell,
- Youth Red Cross(YRC)
- Fine Arts Club.

The institution is taking different initiatives to improve the quality of life of the public people located in and around the institution. Our institution ensures all the students are involved in representing different social issues through many extensional activities through different student clubs. The College NSS Unit also has arranged blood donation camps in collaboration with government headquarter hospitals and district blood banks. The Eco club is creating awareness among the students of the institute regarding road safety, pollution-free, consequences and hazards of Plastic usage day to day life. The institution is taking at most care on neighbourhood development without much scarcity in terms of basic needs and other relevant needs of the society. In the NSS program, we provide opportunities to students to empathetically understand and appreciate the problems of the communities, awaken social consciousness and inculcate in them a sense of dignity of labour and fellow feeling.

In addition to the National Service Scheme (NSS) a group of students committee acts as a unique and strong mentoring process through which many social activities are observed:

- This organizes career guidance programmers in the village to create awareness among school-going students for choosing their career-oriented courses after finishing the school education.
- It Organizes awareness programmer on Road safety by distributing pamphlets of wearing helmet, seatbelts, drink and drive, minor driving, following safety rules etc.,
- Create awareness on Anemia by printing and distributing relevant pamphlets among the public.

### **3.4.2 Number of awards and recognition received for extension activities from Government**

**/recognised bodies during the last five years****Response: 3**

3.4.2.1 Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

File Description	Document
Number of awards for extension activities in last 5 years	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., during the last five years**

**Response: 34**

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

2018-19	2017-18	2016-17	2015-16	2014-15
5	8	4	2	3

File Description	Document
Number of extension and outreach programs conducted with industry,community etc for the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years**

**Response: 67.73**

3.4.4.1 Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
1200	1000	831	475	150

File Description	Document
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 3.5 Collaboration

**3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years**

**Response: 182**

3.5.1.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
42	36	29	21	11

File Description	Document
Number of Collaborative activities for research, faculty etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)**

**Response: 52**

3.5.2.1 Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs

with ongoing activities to be considered)

2018-19	2017-18	2016-17	2015-16	2014-15
10	8	8	4	1

File Description	Document
e-copies of the MoUs with institution/ industry/ corporate house	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

**4.1.1 The institution has adequate facilities for teaching- learning. viz., classrooms, laboratories, computing equipment, etc.**

**Response:**

The Institution has well established system and procedure for maintaining and utilization of physical, academic and support facilities. The infrastructure is also made available for government and non government agencies for the social welfare activities. For the maintenance of these facilities, a systematic policy is adopted through making budgetary provision and subjected approval of local management committee.

**Physical Facilities:**

The College is protected under property insurance cover including equipments, library, sports, fitness equipment and IT. Physical facilities related maintenance is done regularly as per requirement. The College has Herbal garden maintained by Gardener. Toilets and Bathrooms are maintained by sweeper. Various equipments like generator, vending machine, inverter, water purifier, fire extinguisher, CCTV etc. are available. Maintenance is made by college as and when required. All equipments are maintained by respective technicians. Gardener, sweeper and technicians work on need based payment.

**Academic and Support Facilities:**

The college has made available modern teaching aids like LCD projectors. For the maintenance of these equipments, we hire local service provider on need basis.

**Laboratory:**

Recurring and non recurring register is maintained by every department. Local technicians are hired as per requirement for maintenance of equipment

**Library:**

The library is secured by providing additional channel gate. The Central Library of JCTCET follows the rules and regulations framed by its top management. It has ample space and well equipped facilities for reference and information retrieval of its users. Approximately, 24000 volumes of books are available as collections.

A dedicated team of staff members helps the students and faculty members to retrieve their desired materials from library. All the documents in the library are classified, catalogued, and indexed according to DDC (Dewey Decimal Classification) and arranged alpha numerically for easy retrieval. All the books are bar-coded and automated with integrated library management software named **“Dolphin Software Solutions”**.

**Computers:**

Computers, printers, Scanners Computer software and hardware are maintained as per requirement.

#### Co- curricular activities:

The College has its own auditoriums having a seating capacity of 400 Nos. In addition to that three seminar halls are available. Each seminar hall having a seating capacity of 200 Nos with LCD projector attachment and audio system facilities.

**Classrooms:** Class rooms are well maintained and kept neat and clean by our college employees. Electricity material and furniture are maintained as the local service providers are hired as per requirement

Particulars	Description	Available
Class room	Good acoustic conditioned, with green board facility	38 Nos
Tutorial Room	Well equipped with white boards, benches	09 Nos
Seminar halls	Seating capacity of around 200 Nos with LCD projection and public address system	03 Nos
Laboratories	Well equipped with multiple sets of apparatus	69 Nos
Workshops	Well equipped in all respect to conduct workshop activities	05 Nos
Computer Centre	Equipped with latest configuration desktops and software.	01 Nos
Library & Reading Room	Equipped with digital library facility	01 Nos
Drawing hall	Equipped with drawing boards	01 Nos

#### 4.1.2 The institution has adequate facilities for sports, games (indoor, outdoor),gymnasium, yoga centre etc., and cultural activities

##### Response:

The institutions has always encouraged and supported the co-curricular and extracurricular activities. The institutes have also carried forward the legacy of society by promoting the co-curricular and extracurricular activities at their level.

To encourage personality development, team spirit and leadership qualities among students, the institute encourages students to participate in various sports and games at different levels. The institution has a fully competent and qualified Physical Director to train the students to participate in events conducted by the University. Specialized training will provided the students participating in various Universities, Zonal level tournaments. Every year college promotes students to participate in various sports events conducted by university and other organization College has playground with sports facilities like volleyball, football, Cricket, athletics etc. Apart from outdoor games college has made a provision of indoor games such as table tennis, carom, chess etc.

Participate in NSS camps every year. Blood donations camps, social awareness camps, tree plantation, Eye screening tests, adult education, road safety program and other social awareness programs are the commonly organized events by the NSS, RRC and YRC of the institute.

To facilitate all the cultural and extra-curricular activities of the institute, seminar halls & open auditorium are made available. Talented students, faculty acts as guide to support the aspirants and encourage them to participate in these cultural and extracurricular activities. Students will get every opportunity to exhibit their talents in different events like Cultural day, Fresher's, Farewell functions, College Annual day etc., Students are encouraged to organize various cultural activities in the college. Festivals like Teacher's Day, Engineer's Day, Pongal festival, Onam festival, etc are celebrated by students actively. Students are also encouraged to participate in different competitions held at various institutions. All the departments conduct various cultural fests for their department students.

The Institute has an excellent gymnasium center on the separate block. A trained gym instructor provides training and monitors to gym center. Yoga classes are conducted for the faculty and students by expert yoga trainers.

The College Health Center is functioning in the campus with general physician and a nurse. An Ambulance facility is also available for transport during medical emergencies to nearby hospital. Our college Cafeteria provides hygienic food and beverages at nominal cost from morning to till evening.

Sl.No	INDOOR FACILITIES	OUTDOOR FACILITIES	
1	Chess	Kabaddi	
2	Table Tennis	Volleyball	
3	Carom	Badminton	
4	Gymnasium	Football	
5	Auditorium	Cricket	

#### 4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

**Response:** 100

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

**Response:** 043

File Description	Document
Number of classrooms and seminar halls with ICT enabled facilities	<a href="#">View Document</a>
any additional information	<a href="#">View Document</a>

#### 4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

**Response:** 36.9

##### 4.1.4.1 Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
427.17	184.61	578.97	379.14	220.35

File Description	Document
Details of budget allocation, excluding salary during the last five years	<a href="#">View Document</a>
Audited utilization statements	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

### 4.2.1 Library is automated using Integrated Library Management System (ILMS)

#### Response:

The Institute has an integrated library management system, SOUL, which contains functions like acquisition, circulation, cataloguing. The Institute library has 24,450 volumes and 6676 Titles and subscribes to several national journals. The library provides open access to students. Through posters, the Institute familiarizes the students about the library and the e-services provided by it. It has ample space and well-equipped facilities for reference and information retrieval of its users.

A dedicated team of staff members helps the students and faculty members to retrieve their desired materials from the library. The books are indexed, categorized according to programs and subjects and arranged alphabetically. The software contains details about the authors' name, title and publishing house.

All the books are bar-coded and automated with integrated library management software named "Dolphin Software Solutions".

Name of the ILMS Software – Dolphin Software Solutions

Nature of automation (Fully or Partially) – Fully

The library has an advisory committee comprising of faculty members of the Institute and librarian.

#### Library advisory committee:

Sl. No	Name	Designation
1	Dr. G.Ramesh	Chairman
2	Dr R.Perumal	Convener
3	Mr K.Balan	Librarian
4	Mr T.Baskaran	In-charge
5	Dr A.Thirumurugan	Member
6	Mr V.Sridhar	Member
7	Mrs J.Esther Hellan Prasanna	Member



8	Mr N.Aravindh	Member
9	Mr A.Kannan	Member
10	Mr G.Deebanchakkarawartha	Member
11	Mr P.Suresh kumar	Member
12	Mr J.Saravanan	Member

- The committee keeps an effective control as well as facilitates a smooth and optimal utilization of the Library. Through its frequent meetings, it discusses and prepares proposals for the said purpose with respect to various matters related with development and smooth functioning of the library.
- The committee recommends the procurement of new books/journals/periodicals/e-journals and CDs on the requisition by the faculty/students.
- On receipt of new books in the library, committee members verify them specifically.
- The committee supervises the automation of the library.
- The committee discusses and then suggests the budget for the purchase/procurement of books/journals and other necessary requirements for the library.

#### **Library automation:**

The library is automated since 2009-10. At present five computers for administration and circulation and 15 computers with internet facility for student's access is available. Books and students' identity cards are bar-coded. CCTV surveillance cameras are installed.

#### **Open Public Access Catalogue (OPAC):**

OPAC facility with two computers is provided for the students and staff. WEB OPAC facility is made available online.

#### **E-Resources:**

<b>Name of the E-resources</b>	<b>URL s</b>
J-Gate (Engineering and Technology)	<a href="https://jgateplus.com/home">https://jgateplus.com/home</a>
I-EEE (ASPP)	<a href="https://ieeexplore.ieee.org/xplore/home.jsp">https://ieeexplore.ieee.org/xplore/home.jsp</a>
DELNET Discovery Portal	<a href="https://164.100.247.30/">https://164.100.247.30/</a>
NPTEL Online Videos	<a href="https://www.digimat.in/">https://www.digimat.in/</a>

#### **DELNET Facility:**

Institute has DELNET service with the objective of resource sharing through interlibrary loan service and institution membership. It is also helpful in undertaking scientific research in the area of Information Science and Technology.

#### **4.2.2 Collection of rare books, manuscripts, special reports or any other knowledge resources for library enrichment**

#### **Response:**

**LIST OF RARE BOOKS**

S.No	Acc. No	Title	Publisher	Author	
1	15919	CEMENTING	DWIGHT K.SMITH	HENDRY L.DOBERRY MEMORIAL FUND OF	
2	15918	FUNDAMENTALS OF FORMATION EVALUATION	DONALD P. HELANDER	OGCL PUBLICATION	
3	18531	STANDARD HANDBOOK OF PETROLEUM	WILLIAM C.LYONS	ELSEVIER	
4	10817	PERRY CHEMICAL ENGINEER	DON.W.GREEN	MC GRAW HILL	
5	13940	PETROLEUM ENGINEERING HAND BOOK	HOWARD B.BRADREY	FIRST PRINTING	
6	22835	HANDBOOK OF NATURAL GAS TRANSMISSION AND PROCESSING	SAEID MOKHATAH	ELSEVIER	
7	23036	REFINING PROCESSES HANDS	SURENDAR PARKASH	ELSEVIER	
8	22833	CHEMISTRY OF PETROCHEMICAL PROCESSES	SAMI MATA	GULF PROFESSIONAL	
9	11057	LARGE - SCALE INHOMOGENOUS THERMODYNAMICS	YOU G ZHU	CISP	
10	22837	HEAT TRANSFER IN PROCESSES ENGINEERING	EDUARDO CAO	MC GRAW HILL	
11	22980	FOOD PACKAGING	GORDON L.ROBERTSON	CRC PRESS	
12	4873	WASTEWATER ENGINEERING TREATMENT & REUSE	METCALF EDDY	TATA MCGRAW HILL	
13	5207	A HAND BOOK OF LAND TENUSE IN TAMILNADU -2009	C.SITARAMAN & COS. PVT LTD	SAMBANDHAM	

File Description	Document
Any additional information	<a href="#">View Document</a>

**4.2.3 Does the institution have the following:****1.e-journals**

- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases

**Response:** B. Any 3 of the above

File Description	Document
Details of subscriptions like e-journals,e-ShodhSindhu,Shodhganga Membership etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

**Response:** 13.34

4.2.4.1 Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
16.90	10.92	12.34	14.96	20.27

File Description	Document
Details of annual expenditure for purchase of books and journals during the last five years	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

#### 4.2.5 Availability of remote access to e-resources of the library

**Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 4.2.6 Percentage per day usage of library by teachers and students

**Response:** 27.01

4.2.6.1 Average number of teachers and students using library per day over last one year

Response: 515	
File Description	Document
Any additional information	<a href="#">View Document</a>

## 4.3 IT Infrastructure

### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

#### Response:

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

#### LAN Facility

There are 28 data network switches (Gigabyte) , CCTV cameras, Intercoms and 1 SOPHOS Cyberoam firewall for content filtering for 2000 users simultaneously.65 Mbps of internet **connectivity is shared across the campus.**

#### Server configurations in Data Centre

There are 12 servers with GB RAM, 1.2 TB hard drive, student biometric server, faculty biometric server and application servers.

Storage server-2TB\*5=10 TB

Back up device-3TB for critical server back up

#### Work Station:

580 desktops are provided to all the department labs with configurations of core i3 Generation 4GB, 1 TB hard disk with LAN connectivity, AMD system processor with 2GB hard disk and 160 GB hark disk are available to carry out academic and administrative work.

#### Software:

100 genuine windows licenses, with window 7pro and windows XP. We also use open-source operating systems such as Fedora, Ubuntu, Red hat Linux. All windows systems are protected with Sophos end protection anti-virus.

#### Printers:

48 Laserjet printers and scanners, 3 Xerox work centres are provided across the campus for academic and administrative purposes.

#### Updates and up gradation:

Updates are maintained regularly through WSUS (Windows Server Update Service) and anti-viruses are updated through the cloud portal. Around 30 desktops with Core 2 Duo, 2GB RAM, 80GB hard disk was replaced with an upgraded configuration of core i3 7th Generation 4GB, 500 GB hard disk with LAN connectivity

## WI-FI

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

All computers in the campus are connected to the internet as it is essential for them to work, also surplus Ethernet ports are provided for laptops or other devices in need of internet connectivity.

A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions, etc. The entire campus including Hostels has Wi-Fi connectivity and speed of the internet connectivity is Mbps. Individual Computers are provided to all HoD's and the faculty can access the common computer lab. Faculty and Students use internet facility for research work and for updating.

The central library is connected to network through Online Public Access Catalogue for online access of E-Journals throughout the campus.

## Updations in IT Facilities and Wi-Fi

Si.No	Items	Upto2018	Till now
1	No. of Computers	550	581
2	Bandwidth	48Mbps	65 Mbps
3	Desktop Configuration	Core i3	Core i3 7th Gen

Wi-Fi Access Points were installed in the following various locations. Also, the Wi-Fi access points are updated constantly during regular intervals as and when required.

TP-Link-2012

TP Link-2018(Updated)

### 4.3.2 Student - Computer ratio

**Response:** 115:36

#### File Description

#### Document

Any additional information

[View Document](#)

**4.3.3 Available bandwidth of internet connection in the Institution (Lease line)****Response:** >=50 MBPS

File Description	Document
Any additional information	<a href="#">View Document</a>

**4.3.4 Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)****Response:** No

File Description	Document
Facilities for e-content development such as Media Centre, Recording facility,LCS	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**4.4 Maintenance of Campus Infrastructure****4.4.1 Average Expenditure incurred on maintenance of physical facilities and academic support facilities excluding salary component, as a percentage during the last five years****Response:** 32.37

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

2018-19	2017-18	2016-17	2015-16	2014-15
474.43	473.43	244.55	238.49	158.04

File Description	Document
Details about assigned budget and expenditure on physical facilities and academic facilities	<a href="#">View Document</a>
Audited statements of accounts.	<a href="#">View Document</a>

**4.4.2 There are established systems and procedures for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc.****Response:**

Adequate infrastructure facilities are key for effective and efficient conduct of the educational programs. The institute is having state of art infrastructure to contribute to the effective ambience for curricular, extra-curricular and administrative activities. The institution has well established system and procedure for maintaining and utilization of academic, physical and support facilities. All campus buildings are well lit with modern amenities.

The infrastructure is made available for both government and non-government agencies for the social welfare activities. For the maintenance of these facilities, a systematic policy is adopted through making budgetary provision and subjected approval of local management committee. Optimum utilization of classrooms, computer labs and seminar halls are ensured by allocating time table for each department before commencement of semester. Entry is to be made in register for utilizing resources to conduct extra lectures and practical on holidays. The Institute's campus is fully Wi-Fi enabled, resulting in extensive use of internet facilities for both the staff and students. Infrastructure feedback is collected from the stakeholders via students, teaching and non-teaching staff. Suggestion box is also kept for this purpose. Feedback is analyzed and action is initiated based on the analysis outcome.

**Physical facilities:** The college is protected under property insurance cover including equipments, library, sports and fitness equipment. Adequate in-house staff is employed to meticulously maintain hygiene, cleanliness and infrastructure on the campus so as to provide a congenial learning environment. Classrooms, Staffrooms, Seminar halls and Laboratories are cleaned and maintained regularly by Non-teaching staff assigned for each floor. Wash rooms and rest rooms are well maintained. Dustbins are placed in every floor. The Green Cover of the campus is well maintained by a gardener. The college has Maintenance Committee that oversees the maintenance of buildings, classrooms and laboratories.

The Maintenance committee is headed by the Office Superintendent who in turn monitors the work of the Supervisor at the next level. The Supervisor is accountable to the Office Superintendent and functions as the coordinator who efficiently organizes the workforce, maintaining duty files containing details about their individual floor-wise responsibilities, timings, leave etc. The maintenance officer conducts periodic checks to ensure the efficiency / working condition of the infrastructure.

The Estate office workers look after the maintenance of rest rooms, approach roads and neatness of the entire premises. Housekeeping services are regularly executed and monitored. Provisions have been made available for differently-abled students, to ensure that they do not have any physical obstruction. The institution is committed to accommodate them on the ground-floor, especially front-seating arrangement, comfortable furniture, attendant facility. Elevator facilities are available for the use of differently abled.

The students are given extra attention during the college terminal examinations as well as the final examinations. Ramp facilities have been provided where it is necessary for the physical handicapped. The preview includes maintenance of Generator, Air Conditioners, CCTV cameras and Water Purifiers. Apart from contract workers, the college has trained in-house electricians and plumbers. Parking facility is well organized. It is efficiently maintained by annually renewed contract employees.

The campus maintenance is monitored through surveillance Cameras. Proper inspection is done and verification of stock takes place at the end of every year. Periodic reporting on requirements of repairs and maintenance are submitted by the HODs to the Administrative office. The requirements are collectively processed in every semester break so as to keep things ready for the new semester. Estate office manager and his team are involved in the maintenance of infrastructure facilities.



This team looks after the regular maintenance of civil works such as furniture repairs, masonry and plaster works, painting, carpentry, plumbing and house-keeping. Monitor electrical equipment such as Generator, UPS, and Batteries monthly and enter the condition/Status of equipment in Log book. Call the contractor (belonging to equipment) in case of major fault.

The contractor analyses the fault and submit its report. If the replacement of any part is necessary then call the quotations & purchase as per centralized purchase procedure. Inspect the work done by the contractor and ensure smooth functioning of equipment and report of completion of work is given to Principal.

#### **Academic and support facilities:**

The college has made available modern teaching aids like LCD Projectors, Xerox machines, CCTV cameras, three public address systems, software required for academics are made available. For the maintenance of these equipments, we hire local service provider on need basis.

**Laboratory:** Lab assistants under the supervision of the System administrator maintain the efficiency of the college computers and accessories. Recurring and non-recurring register is maintained by every department. Local technicians are hired as per requirement for maintenance of equipment.

**Library:** The library holdings in terms of books, journals and other learning materials and technology-aided learning mechanisms which enable students to acquire information, knowledge and skills required for their study programmes. All security measures are taken as per rules of library science. The library is insured fire extinguisher systems are available in the central library. We follow open access system. For the security reason, we maintain property counter. Book Binding is done as per need to the books and back volumes annually. The library is secured by providing additional channel gate.

**Computers:** Computers, printers, Scanners Computer software and hardware are maintained as per requirement. Office automation software is covered under AMC, Antivirus is updated regularly.

**Classrooms:** Class rooms are well maintained and kept neat and clean by our college employees. Electricity material and furniture are maintained as the local service providers are hired as per requirement.

**Medical Centre:** Staff such as compounder, dresser, nurse and helpers etc. For indoor treatment two beds for boys and one for girls is also provided. A separate MI room is also provided in the Girls hostel. The Centre also has an Ambulance for emergency cases. All medical staff stays on campus.

**A Convenience Shop and a Cafeteria** cater for the daily needs, refreshments, and snacks. All items are sold with nominal profit margin. For variety the menu in the Cafeteria is changed every day.

File Description	Document
Any additional information	<a href="#">View Document</a>



## Criterion 5 - Student Support and Progression

### 5.1 Student Support

#### 5.1.1 Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years

**Response:** 42.26

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

2018-19	2017-18	2016-17	2015-16	2014-15
584	731	828	891	965

File Description	Document
Upload self attested letter with the list of students sanctioned scholarships	<a href="#">View Document</a>
Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years	<a href="#">View Document</a>

#### 5.1.2 Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years

**Response:** 39.67

5.1.2.1 Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
848	857	754	730	576

File Description	Document
Any additional information	<a href="#">View Document</a>

#### 5.1.3 Number of capability enhancement and development schemes –

1. For competitive examinations
2. Career counselling

- 3.Soft skill development
- 4.Remedial coaching
- 5.Language lab
- 6.Bridge courses
- 7.Yoga and meditation
- 8.Personal Counselling

**Response:** A. 7 or more of the above

File Description	Document
Details of capability enhancement and development schemes	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

**Response:** 75.21

5.1.4.1 Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
483	511	529	466	430

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

**Response:** 47.34

5.1.5.1 Number of students attending VET year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	0

File Description	Document
Details of the students benefitted by VET	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** Yes

File Description	Document
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 5.2 Student Progression

#### 5.2.1 Average percentage of placement of outgoing students during the last five years

**Response:** 54.69

##### 5.2.1.1 Number of outgoing students placed year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
259	279	266	219	220

File Description	Document
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years	<a href="#">View Document</a>

#### 5.2.2 Percentage of student progression to higher education (previous graduating batch)

**Response:** 1.91

##### 5.2.2.1 Number of outgoing students progressing to higher education

**Response:** 9

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education	<a href="#">View Document</a>

### 5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

**Response: 60**

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

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

#### 5.2.3.2 Number of students who have appeared for the exams year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	1	4	15	0

File Description	Document
Upload supporting data for the same	<a href="#">View Document</a>
Number of students qualifying in state/ national/ international level examinations during the last five years	<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 national / international level (award for a team event should be counted as one) during the last five years.

**Response: 24**

#### 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

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	0	0

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at national/international level during the last five years	<a href="#">View Document</a>
e-copies of award letters and certificates	<a href="#">View Document</a>

### 5.3.2 Presence of an active Student Council & representation of students on academic & administrative bodies/committees of the institution

#### Response:

#### Class representative;

In every Department, one Class representative per class is elected. She/he will be responsible for maintaining the ambience of the classroom, maintaining the teaching aids and tools equipped in the classroom. Also, he coordinates with the faculty to arrange seminars and other co-curricular activities

#### Class Committee;

*For every class*, for evaluating the academic progress of each class.

Class representatives from each class along with the faculties handling the subjects form this committee. A faculty not handling the subject in the class forms the Chairman.

#### Sports Committee;

For coordinating the Sports Events, from each department, one student representative both boys and girls are selected as Sports coordinator. Among these coordinators committee, the chairman will be elected. These students with the guidance from Physical Director will be r coordinating the sports events

They are also responsible to coordinate the game events organized in association with district, zonal level events

#### Fine Arts Club

For coordinating the Cultural Events, from each department, one student representative both boys and girls are selected as cultural coordinators. Among these students, one committee chairman will be elected. These students are responsible for organizing the cultural events with the guidance from the staff coordinator

They are also responsible to coordinate the cultural events organized in Inter college and intra college level

### Department Association and Professional Chapters

All the Departments have student associations and their office bearers are elected, who recommends the overall opinion of the student community. Students actively participate as members of professional bodies and societies. The Head of the Department, Staff and students of the respective Departments in consultation with the Principal choose the respective office bearers.

The Student Association of every Department conducts National level Technical Symposium every year, which involves various technical and non-technical events. They are usually funded from the Management, student membership and other sponsorships

S.NO.	DEPARTMENT	ASSOCIATION NAME
1	Automobile Engineering	CRANKWAKERS
2	Civil Engineering	UTSAV
3	Computer Science and Engineering	CIXIS
4	Electronics and Communication Engineering	ESPERANZA
5	EEE	LITEBRITZ
6	Food Technology	AFFSTI
7	Mechanical Engineering	DHRUVAZ
8	PE	PEARL
9	Petrochemical Engineering	PEACE

Also the students are active members of professional chapters. The office bearers for these professional chapters are elected and various technical events like symposium, seminars, guest lectures are conducted through these students chapter of respective departments

S.NO.	DEPARTMENT	PROFESSIONAL CHAPTER NAME
1	AE	Society of Automobile Engineers
2	CIVIL	Indian Concrete Institute,
3	CSE	Computer Society of India(CSI),  Indian Society for Technical Education(ISTE) International Association for Engineers (IAENG)
4	ECE	Institution of Electronics and Telecommunication Engineers (IETE)
5	EEE	International Society for Research and Development(ISRD)
6	FOOD	Association of future Food Technocrats (AFFT)
7	MECH	Indian Society for Technical Education(I

		STE)	IEEE
8	PE	Society of Petroleum Engineers (SPE)	
9	PCE	Indian Institute of Chemical Engineers (IChE)	

### 5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

**Response:** 20

5.3.3.1 Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
16	15	14	14	14

File Description	Document
Number of sports and cultural activities / competitions organised per year	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 5.4 Alumni Engagement

**5.4.1 The Alumni Association/Chapters (registered and functional) contributes significantly to the development of the institution through financial and non financial means during the last five years**

**Response:**

JCT College of Engineering and Technology has registered alumni association with Registration No 6/2017. The alumni association exists to support the institution's goal and to strengthen the tie between alumni, society and the institution. Alumni association plays a pivoted role in the development of the institution.

The institution has the privilege to mention that it has a rich history the students success and glory. Also, it has established a wide network of old students to rejuvenate the memories of the college. The association regularly meets and interacts with the management, faculty and students to facilitate the association of alumni with their Alma Mater by promoting interaction and networking among alumni of the institute;

The alumni association provides selected alumni participation in ongoing academic activities including teaching, research, workshops, conference events, personality developments and placements.

The association has been expanded and strengthened with new enrolments. The alumnus who all is visiting the institution for various activities and their suggestions are taken into account. Alumni day is celebrated

and their achievements are recognized. The successful alumni are selected as guests of honour for awards.

#### Alumni Benefits for Students:

- Personality Development program
- Industry- institute interaction
- Guest Lecture
- Industrial Visit
- Placement assistance
- Final year student project assistance

#### Alumni Objectives:

- 1.To provide a forum for members of the **JCT ALUMNI ASSOCIATION** to interact and sustain a sense of belonging through mutually beneficial contacts
- 2.To create cooperation, mutual harmony and affection amongst the members of the association
- 3.To facilitates and encourage alumni to contribute towards the improvement of infrastructure for all-round development of the current students of JCTCET
- 4.To foster linkage among alumni and promote personnel and friendly relation through the meeting, get together, tours and trips etc
- 5.To organize the program for the entertainment and enjoyment of the members of the association
- 6.To help the students of JCTCET to develop an all-around personality
- 7.To organize seminars, workshops, meetings, press conference and other lawful gatherings from time to time
- 8.To create awareness about important social issues and help develop a sense of national /social responsibility ( through activities like medical camps, including eyes and blood donation camps, etc) amongst alumni, students and society through various activities and means
- 9.To promote literacy, cultural and other social activity by awareness programs as adult education classes, lectures, essay competitions, symposiums, cultural programs and seminars
- 10.To create a forum JCTCET to exchange views and experience and share it with the present students of the college

#### Committee Members:

Sr. No.	Name	Designation
1	Mr.Romeo Antony	President
2	Ms Jessey	Vice President
3	Mr Balamurugan	Secretary
4	Ms Priya.S	Joint Secretary
5	Mr Madhubalan	Treasurer
6	Mr Krishna Moorthy	Member
7	Mr Agil	Member
8	Ms Soniya	Member
9	Ms Jayashree	Member
10	Mr Gokul.G	Member

#### 5.4.2 Alumni contribution during the last five years(INR in Lakhs)



**Response:** ? 5 Lakhs

File Description	Document
Any additional information	<a href="#">View Document</a>
Alumni association audited statements	<a href="#">View Document</a>

#### 5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

**Response:** 18

##### 5.4.3.1 Number of Alumni Association /Chapters meetings held year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
4	2	4	1	1

File Description	Document
Number of Alumni Association / Chapters meetings conducted during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

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

##### Response:

##### Vision

To emerge as a premier institute for developing industry-ready engineers with competency, initiative and character to meet the challenges in global environment.

##### Mission

- To impact the state of the art engineering and professional education through strong theoretical basics and hands-on training to students in their choice of field.
- To serve our students by teaching them leadership, entrepreneurship, teamwork, values, quality, ethics and respects for others.
- To provide opportunities for long-term interaction with academia and industry.

#### The nature of governance, perspective plans and participation of the teachers in the decision making bodies.

- The management of our institute is assisted by Principal, Vice-Principal, Dean(Academic) and Heads of the Departments, faculty and staff members to enhance the quality of the institute.
- We conduct periodical meetings to review the quality policy and development of the institutions. The inputs will be collected from the various stakeholders through Institution, Advisory committee and feedbacks collected from them are taken as a basis by the top management to form the quality policy for the institute.
- Semester wise Academic Calendar is prepared by the HODs after discussions with the Principal. The academic plan includes arranging industrial visits for students, conferences/symposium, workshops, seminars, Guest Lectures, Project Expo, Placement Training and social activities.
- The regular meeting is conducted by the Principal with the HODs as well as with the faculty to monitor the progress of the students and departments.
- HODs will conduct faculty meetings regularly to collect the feedbacks for the smooth functioning of the department.
- The faculty members should understand the quality policy clearly and follows it in their day to day implementation. The Principal and the faculty members, in turn, deliver the curriculum to the students.

The perspective plan of the institute is to

- Modernizing Existing Infrastructure Facility,
- Development Of Research and Project Oriented Laboratory,
- Library Resources,

- More Number Of Smart Class Rooms, Board Rooms and Sports Facilities.
- Encourage More Number Of Under Privileged Students To Reap Benefits Of Government and Private Scholarships.
- Increase Number Of Research Centres and Research Out-Put in the Form Of Projects and Research Papers.

File Description	Document
Any additional information	<a href="#">View Document</a>

### 6.1.2 The institution practices decentralization and participative management

#### Response:

- Academic related powers are delegated to the academic Heads, Vice-Principal and Dean(Academic) by the Principal.
- All the departments of the college function under the direct supervision of the Principal. Day-to-day academic activities of the departments are taken care of by the HoDs.
- Entrusting examination work is to the C.O.E.
- Under direct supervision of Principal, Vice-Principal, Dean(Academic)Administrative office, examination section, library and all the UG and PG departments will be functioning.
- Time to time Principal conducts a meeting with the concerned HoDs/ in charges to discuss various issues and resolutions made will be passed on to Principal for further action.
- Similarly, the outcomes of Principal meeting will be passed on to individual faculty/staff for implementation.
- Senior faculty members are allotted to co-ordinate various academic activities, faculty development programmes and student enrichment courses.
- Placement activities delegated to all department placement coordinators through training and placement cell by the Placement director.
- Administration work is delegated by the administrative officer.
- Co-Curricular, extra-curricular activities are delegated to the faculty in-charge of various departments.

The list of various committees to decentralize the academic and administrative activities is given below. The role of various committees and functions are given in annexure

S.No.	Cell/Committee	S.No.	Cell/Committee
	<b>Academic Activities</b>	14	IPR Cell
1	Examination Cell		<b>Miscellaneous Activities</b>
2	College Time Table Committee	15	QMS Cell
3	Research & Development Cell	16	Estate Maintenance Committee
4	NBA Certification Committee	17	Hostel and Mess Committee

5	NAAC Certification Committee	18	Transport Committee	
	<b>Administrative Activities</b>	19	Canteen Committee	
6	Discipline and Welfare Committee	20	Printing -Publications Committee	
	<b>Support Activities</b>	21	Women Empowerment Cell	
7	Library Advisory Committee	22	Anti Ragging Committee	
8	Central Computing Services	23	Grievances Redressal Committee	
9	Placement - Career Guidance	24	SC/ST Welfare Committee	
10	Entrepreneurship Development Cell	25	National Service Scheme	
11	Industry- Institute Interaction Cell	26	RRC, YRC	
12	Sports Committee	27	Literary - Fine Arts Committee	
13	IQAC			

The extract of the Academic calendar for every year is prepared at the closure of the previous academic year. The principal will conduct meeting with HODs, Academic Coordinator, Placement Training coordinator, Senior Librarian and Physical Director to discuss the schedule of the academic event and finalized in accordance with the schedule received from affiliating Anna University

- Re-opening date for the next academic year (Every Semester)
- Working days / Internal Test / Model exam dates
- Symposium/National Conference
- Guest Lectures
- Industrial Visits
- Internships & Implant training
- Placement Training
- FDPs / Workshops / Conferences
- IQAC Meetings
- College Functions –Freshers’ Day, Women’s Day, Teachers’ Day, Sports day, Annual day, Culturals, Engineers Day and Graduation Day.

The prepared academic extract for every year will be approved by the Principal will be sent to Managing Director approval. After receiving the approval from the Managing Director, permission will be granted for the committees concerned for the smooth functioning of the scheduled activities.

Every year mostly all the events are conducted successfully as per the schedule. This academic extract helps to identify resource persons and Chief Guests for different activities for the event grand success.

## 6.2 Strategy Development and Deployment

### 6.2.1 Perspective/Strategic plan and Deployment documents are available in the institution

#### Response:

Yes. Available.

The Chairman, Secretary and Governing Council members have felt the need for preparing a 'Strategic Plan' document for the institution. The mandate was given to the Principal to develop strategic plan 2016-2021 for the institution. The management & Principal met and brainstormed on SWOC and stakeholders expectations. The Principal, HoDs and Faculty team met a number of times, deliberated on Vision, Mission, Quality Policy and Core Values of JCTCET and developed possible Strategic Goals to be achieved by 2021.

Strategic Goals formed the main theme for arriving at Sub Strategic Goals and strategies to accomplish them. Each Sub Strategic Goal was deliberated and strategies have arrived towards implementation. Implementation plan worked out all details such as budget, resources needed and leaders responsible to implement with timelines.

Departments play a pivotal role in the institution. Hence, each department worked out based on its Vision, Mission and Short, Mid & Long term goals. The implementation plan for the departments also reflected all details such as budget, resources needed as well as leader responsibility with timelines. HoDs form the core team for implementing departmental goals under the guidance of Principal/ Deans.

A draft document was initially discussed in the 'Planning and Monitoring Board' and later in the Governing Council for detailed review. The suggestions were incorporated towards its effective implementation. This comprehensive plan forms the guiding plan for the years 2016-2021.

#### **The institution has plans for the development of the perspective plan for the period from 2016-2021.**

- **Goal 1:** Be among the highly respected institutions in the country for undergraduate and postgraduate studies in Engineering and Technology.
- **Goal 2:** Pursue research, consultancy, innovation, and entrepreneurship activities to address the grand challenges and opportunities of the future.
- **Goal 3:** To create an environment for the students to succeed at their highest level through high-quality academic programmes, co-curricular and extra-curricular activities and community outreach programmes.
- **Goal 4:** Recruit, retain and enable a community of exceptional faculty and staff.
- **Goal 5:** To establish and maintain facilities and infrastructure, governance and administration that support towards the achievement of the Vision, Mission and Core Values of the college.

#### **Strategies adopted**

- Conducting governing council meeting regularly.
- Ensuring effective utilization and maintenance of infrastructure.
- Recruiting top-quality faculty and staff.
- Creating new departments in response to emerging demands.
- Organizing periodical academic audits.
- Implementing mentorship in all the departments.

- Collecting feedback from students, teachers, parents, employers and alumni.

### **6.2.2 Organizational structure of the institution including governing body, administrative setup, and functions of various bodies, service rules, procedures, recruitment, promotional policies as well as grievance redressal mechanism**

#### **Response:**

JCT college of Engineering and Technology is functioning with a governing body and an active administrative structure.

#### **GOVERNING BODY**

The Chairman is the Chair of the Governing council. It consists of members from the Shri Jagannath Educational Health and Charitable Trust Experts from Industries, Academia, Nominees from Anna University, Director of Technical Education, AICTE, Senior faculty members of the institution at Professor level and special invitees. Governing Council meeting is held once in a year. The council discusses and approves/ ratifies steps taken by the Management regarding finance, infrastructure, faculty recruitment, research, analysis of examination results, revision of service rules and regulations, extension activities etc. The Governing Council is constituted as per the norms given by UGC/ AICTE/ Anna University as given below.

#### **Functions of the Governing Body:**

1. Prescribe rules for admission in consonance with the reservation policy of the state government/national policy.
2. Promote research in relevant fields
3. Evolve methods of assessment of students performance, the conduct of examinations and notification of results
4. Use modern tools of educational technology to achieve higher standards and greater creativity; and Promote healthy practices such as community service, extension activities and to implement project for the benefit of the society at large.
- 5.

#### **Administrative Setup**

1. The Principal heads the administrative setup and is the key decision maker with regard to academic and administrative matters.
2. Vice Principal and Dean (Academic) support the Principal in various academic activities.
3. Registrar ensures good order in college and an atmosphere conducive to academic activity by producing timely and accurate statistics, class rosters, grades, certifications, and other reports.
4. All departments have their own respective department offices headed by the respective heads of departments.
5. The accounts manager monitors financial transactions and all the monetary transactions (both the

receipts and payments) are processed through a nationalized bank.

## HUMAN RESOURCE PLANNING

1. Prepare job vacancy list with directions from the Principal and job advert;

deciding on how best to advertise

1. Communicate with the shortlisted candidates for the interview.
2. Administer payroll and maintain staff records
3. Participating in recruitment efforts
4. Posting job advertisement and organizing resumes and job applications
5. Scheduling job interviews and assisting in interview process
6. Preparing new employee files
7. Overseeing the completion of compensation and benefit documentation
8. Administering new employment assessments
9. Processing payroll, which includes ensuring vacation and sick time are

tracked in the system

## GRIEVANCE REDRESSAL

All complaints of staff and students are tended to right away. These complaints are registered and forwarded to committee.

### Function of the Grievance Redressal Committee are

- Receives appeals from the students and staff
- Identifies the gravity of the appeal
- Classifies appeals into academic, administrative or others
- Arranges for Enquiry
- Enquires into the issue
- Discusses the enquiry
- Submits report
- Finalizes action to be taken

File Description	Document
Any additional information	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration



- 3.Finance and Accounts**
- 4.Student Admission and Support**
- 5.Examination**

**Response:** A. All 5 of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces	<a href="#">View Document</a>
ERP Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation Planning and Development,Administration etc	<a href="#">View Document</a>

#### **6.2.4 Effectiveness of various bodies/cells/committees is evident through minutes of meetings and implementation of their resolutions**

**Response:**

Various cells and committees have been constituted in our college to assist the administration in the smooth functioning of all academic and administrative activities. Each and every Cell/Committee is headed by a HoD/ Senior faculty as its convener. Each Cell/Committee has well defined roles and responsibilities as detailed below along with its composition.

The convener will take necessary proactive and preventive actions. If the corrective actions suggested require immediate attention of the Principal or the Management, then it will be immediately brought to their notice for further action.

These Cells/Committees are detailed as follows:

- **Academic Activities**
  - College Time Table Committee
  - Examination Cell
  - NAAC Certification Committee
  - NBA Certification Committee
  - Research & Development Cell
- **Administrative Activities**
  - Discipline and Welfare Committee
- **Support Activities**
  - Central Computing Services
  - Entrepreneurship Development Cell
  - Industry- Institute Interaction Cell
  - Library Advisory Committee
  - Placement and Career Guidance
  - Sports Committee
  - IQAC
- **Miscellaneous Activities**

- Anti Ragging Committee
- Canteen Committee
- Estate Maintenance Committee
- Grievances Redressal Committee
- Hostel and Mess Committee
- IPR Cell
- Literary and Fine Arts Committee
- National Service Scheme
- Printing & Publications Committee
- QMS Cell
- RRC and YRC
- SC/ST Welfare Committee
- Transport Committee
- Women Empowerment Cell

### One activity successfully implemented

Women Development Cell was started in the year (2012-2013) with **204** number of girl students and **64** women staff members both teaching and non-teaching. At present, for the academic year (2018-2019) **305** numbers of girl students and **94** women staff members both teaching and non-teaching are in this cell.

The Women Empowerment Cell has organized the Guest Lecture on “**Role of Women in Society**” at JCT College of Engineering & Technology on 05.09.2018 by 10.30 am at our seminar hall.

Chief Guest: Mrs.D.Geetha. M.A., M.Phil., M.M.M., M.Sc., LL.M (Advocate)

No. of Participants: 120

Venue: JCTCET, Seminar hall.

Date of Event: 05.09.2018

The Program was intended to create awareness among Female gender participants about;

- To eliminate illiteracy;
- To develop self- esteem and self-confidence;
- To have knowledge about their bodies and sexuality;
- To have the ability to make their own decisions and negotiate;
- To raise the women's awareness of their civil rights;
- To provide skills for income generation;
- To make participation in community/society more effective; and
- To prepare them to be good women leaders.

The students were much attentive & interactive throughout the program & it was carried out more lively by the chief Guest.

## 6.3 Faculty Empowerment Strategies

### 6.3.1 The institution has effective welfare measures for teaching and non-teaching staff

#### Response:

#### CASUAL LEAVE

All members of the staff are eligible for 12 (Twelve) days of Casual Leave (CL). The management has the right to assign employee(s) on duty on public holidays. In such cases the employee(s) will be entitled to avail compensatory off on any working day with the previous permission of the leave sanctioning authority. If compensatory off is the choice, it should be availed within 3 (Three) months from the date of carrying out duty on holiday. Compensatory leave will not be granted for external duty for which extra remuneration is paid or for normal extra work in JCTCET, as it is part of one's duty.

#### SPECIAL CASUAL LEAVE

15 (Fifteen) days Special Casual Leave (SCL) will be granted for Examination related works [Invigilation, AUR duty, Examination and Valuation].

#### ON DUTY

A maximum of 15 (Fifteen) days "ON DUTY" in a calendar year will be granted with full pay to the faculty members for the following purpose:

- Attending Conferences/Seminars/Workshops.
- Delivering invited talks.
- To interact with industry.
- To attend meetings of the university.

#### STUDY LEAVE

A faculty member who has put in at least 3 (Three) years of regular service in JCTCET will be eligible for "Study Leave". Study leave will be granted on Loss of Pay for 2 (Two) years for Post Graduate programmes and 3 (Three) years for Doctoral Programmes. Total number of faculty on study leave at a time from a department shall be restricted to a maximum of 2 (Two). If there are more applicants, they may be granted leave on the basis of seniority.

#### VACATION LEAVE

Faculty and supporting staff who have successfully completed the probation period are eligible for vacation leave.

#### FINANCIAL ASSISTANCE FOR PUBLICATION

Teachers who publish research work in reputed journals will be eligible for financial assistance. The quantum of assistance depend upon the Impact factor of the indexed Journal.

**HONORARIUM FOR THE RESEARCH PROJECT**

An honorarium of Rs.5000/- per month subject to a maximum of Rs.50,000 per annum will be granted by the management to that faculty member who is the Principal Investigator of a research project funded by national agencies like UGC, AICTE, CSIR, DST, DRDO, ISRO,DAE etc., If the fund exceeds Rs. 2.5 lakhs in an academic year, additional facilities like space, infrastructure etc., may be provided at the discretion of the management.

**HONORARIUM FOR THE CONSULTANCY PROJECT**

Revenue generated through consultancy work will be shared by the faculty members and the institution in the ratio of **60:40**. The share of the institution will be utilized for the up-gradation of laboratories and infrastructure facilities.

**6.3.2 Average percentage of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies during the last five years**

**Response:** 59.76

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

2018-19	2017-18	2016-17	2015-16	2014-15
90	104	110	102	90

File Description	Document
Details of teachers provided with financial support to attend conferences,workshops etc during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years**

**Response:** 10.8

6.3.3.1 Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
09	13	13	06	6

File Description	Document
Details of professional development / administrative training programs organized by the Institution for teaching and non teaching staff	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 6.3.4 Average percentage of teachers attending professional development programs viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

**Response:** 75.06

6.3.4.1 Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
97	111	118	115	96

File Description	Document
Details of teachers attending professional development programs during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 6.3.5 Institution has Performance Appraisal System for teaching and non-teaching staff

**Response:**

The institution has the practice of evaluating the performance of the faculty members by Faculty Performance Appraisal System.

The performance appraisal system has the following components

- Teaching performance
- Result percentage produced in the University Examinations
- Feedback from students and HoD/Principal
- Journal Publications

- Conference Presentations / Publications
- Workshop/Seminar Participation and organized
- Guest Lecture to be delivered
- Participation in FDPs /SDP organized in other Institutions
- Motivation to be given to Students for paper presentation/Project
- Proposals to be submitted for grants from funding agencies
- Visits to Industries for collaboration
- Industrial Visit along with students

#### **Major decisions based on performance appraisal reports by the management**

- The faculty appraisal forms are reviewed by the respective Heads of the Departments , Vice-Principal and Principal.
- The Principal conveys the performance of the faculty to the management based on the findings, measures are taken.
- The faculty members are given appraisal regularly based on their marks secured in their appraisal form.
- If the performance of the faculty is below par, they are counselled by the HoD/the Principal to show better performance in the subsequent semester.

#### **Performance appraisal system for non-teaching staff**

- Experience and Work Discipline
- Feedback from HOD , Vice-Principal and Principal.
- Participation in Community services
- Active participation in teamwork
- Skill up-gradation through Orientation Programs, Refresher Course, Short Term Courses and
- Faculty Development Programs
- Higher Studies
- Outstanding Achievements in their studies

## **6.4 Financial Management and Resource Mobilization**

### **6.4.1 Institution conducts internal and external financial audits regularly**

#### **Response:**

Yes, the Institution has a system for Internal and external audit.

An effective mechanism is followed by the institution for auditing all the accounts. The institution has appointed a full time Chartered Accountant Mr Suresh Kumar designated as Finance Officer who verifies and checks bills and vouchers, passes the bills, manages the fund and determines the fee after the discussion with the management. The institution has both internal and external audit mechanisms.

The institution has the following practices to control/monitor the flow of financial resources:

1. The financial resources of the college are managed in a very effective and efficient manner. There is a fully computerized accounts department in the college.
2. Annual Budget for the institution is evolved at the beginning of the year, considering the potential income and expenditure.
3. The departments also come up with their annual budget based on which the required funds are allocated for the year.
4. The budget submitted by the HODs is carefully scrutinized by the Head of the Institution and changes are made wherever necessary.
5. All transactions happen through the ERP and are supported by vouchers.
6. All the collections are deposited in the bank and all the expenditure (recurring, the non-recurring and are not petty in nature) are incurred through bank instruments.
7. Every bill is checked by the office clerk, Office Superintendent and Accounts Officer.
8. The bill payments are passed after ensuring the receipt of goods in good condition. Only duly authorized persons to operate the transactions through the bank.
9. For effective check on the accounts and expenditure, the two-tier system is followed by viz., internal and external financial auditing.
10. Audited financial statements including Income and Expenditure Account, Balance Sheet etc. are prepared by professionally qualified auditors and submitted to banks and other regulatory agencies.

#### 6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

**Response:** 10.01

6.4.2.1 Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	00

File Description	Document
Details of Funds / Grants received from non-government bodies during the last five years	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

**Response:**

- Budget proposals are prepared by HoDs after consultation with teaching and technical staff

members based on the requirements of the department and submitted to Principal and Management at the beginning of every financial / academic year.

- The Principal scrutinizes the budget and recommends the same to the Management Committee for the approval.
- The Management sanctions the required amount as per the budget.
- The HODs of the respective departments are given the responsibility for proper utilization of the sanctioned budget.
- All transactions are supported by bills/invoices/vouchers which are scrutinized by the accountant and approved by the Administrative officer and verified by the Management for the Final approval.
- The details of the purchased items are entered in the stock register and the bill payments are passed after the physical verification/evaluation of the items.
- Audited financial statements including Income and Expenditure Account, Balance Sheet etc. are prepared by qualified and experienced auditors.

### Delegation of financial powers

The Principal is empowered to recommend and approve the requisite amount of money for various departmental activities and purchase of laboratory equipment. Purchase of the Rs.1 Lakhs and above has to be approved for the purchase committee and the management. Financial power delegation is shown below

### Financial power delegation

S. No	Position	Impressed amount in Rs.	
1	Principal	25,000	
2	Vice Principal & IQAC Coordinator	25,000	
3	Head of Department	5,000 per Department	
4	Dean Academics	5,000	
4	Administrative Officer	10,000	
5	Placement Director	5,000	
6	Physical Director	5,000	
7	Librarian	5,000	
8	Exam Cell	5,000	

## 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**

**Response:**



To enhance the quality improvements in the academic process and also as a pre-accreditation exercise Internal Quality Assurance Cell (IQAC) was formed in our institution on 12.06.2017. The IQAC cell is coordinated by a team of faculty members from all the departments. The objective of the cell is to develop a system for conscious, consistent and catalytic improvement in the overall performance of the institution at all levels with the involvement of all stakeholders towards quality enhancement through internalization of quality culture and institutionalization of best practices.

**Following are the major contributions of IQAC:**

- Development of ICT Enabled smart Classrooms for each department
- LAN connectivity encompassing the entire college with higher bandwidth of 100 Mbps.
- Sensitizing quality assurance policies, mechanisms and outcomes to the various internal and external stakeholders by teaching and non-teaching members, general meetings, notices, college Website and through Alumni meet, parent-teacher meeting.
- Enriching the Library through the establishment of tie-ups and subscription.

This can be delineated with following examples amongst others.

**1. Evaluation of proposed research projects by Industry Experts:**

IQAC has emphasized on the importance of conducting industry-relevant research at our Institutional programme. IQAC Committee advised the faculty members to strengthen the research activities and execute industry projects to bridge the gap between industry- academics. In accordance with the same, experts from various industries were invited to evaluate the proposed research projects at the inception stage so as to provide valuable guidance and make the research projects more beneficial from the industrial perspective.

**2. External Collaborations:**

Faculty members were motivated by the IQAC committee to collaborate with various organizations for mutual benefit. This has resulted in an increase in the number of Memorandum of Understanding (MoU) signed between various organizations. These measures have helped students gain hands-on experience about the functioning of the industry and further prepared them for industrial jobs.

**3. Introduction of additional assessments**

Reformation in the number of internal assessment from 2 to 3. Earlier 2 tests are based on unit wise. The preparation for unit test–III with questions from all five units enables the students to comprehend the complete course and perform better in the university examinations To ensure uniform paper correction among different batches for the same course, the practice of submitting the question paper along with answer key was also initiated

**Significant Activities**

IQAC has initiated the steps to Self Analyze the status of MoU, Campus Placement, Teaching Pedagogy, Skill Sets of the students by the way of exercising the following activities among the students and the faculty members

**Innovative Teaching Learning Methodology Objectives:**

Platform to express the ideas

- Improving communication skill
- Working in a group – Team spirit
- Enhancing the higher order thinking skills thereby igniting their minds
- . Outcome: Individual participation of students
- Faculty members to find out a new technique for ITM.
- Young teachers come to know about various ITM.
- Online hunt, quiz, group discussion and etc.
- Various IMTs – LimeLight

**6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms****Response:**

The institution reviews its teaching-learning process through IQAC. IQAC, conducts meetings and collects suggestions from students, parents and alumni about improvement of the teaching-learning methodology. Based on suggestions given by the various stakeholders, institute modify the teaching plan and time table by including aptitude slot and personality development classes to improve the quality of students in terms of skill development and placements. These changes are suggested by IQAC members and approved by the governing body. The Head of all the departments discusses the issues related to teaching-learning

methods with the departmental staffs regarding the improvement of the teaching methods from the previous experience and put it in the IQAC meeting.

The IQAC planning body decides the academic calendar at the starting of the semester, based on this all the activities in the semester are scheduled. The four phases of IQAC monitoring during the teaching-learning process are

1. **Preparation/ Planning :** At the starting of the semester every department submits plan for Course initiation, completion. Assessment process, Innovative approaches towards student centric Learning Process.
2. **Implementation:** Every subject teacher implements its teaching plan. During this implementation, If any difficulty faced by the faculty, it discusses with the head of the department. The continuous evaluation and assessment is strictly as per instructions by IQAC.
3. **Monitoring:** The teaching-learning process is monitored every month through ‘audits by IQAC.
4. **Analysis:** Based on the monitoring report the analysis is carried out and asks the difficulty faced by the students and faculties.

**Various initiatives are taken for the students for the improvement of the teaching-learning process**

which includes:

- Use of LMS
- Presentation for the students to improve their skills
- Regular skill enhancement workshops, guest lectures from the industry person.
- NPTEL registration of students through college.
- Two internal academic audits from the internal committee.
- One external academic audit from experts of other colleges.
- Teachers teaching the same subject meetings and interaction. The teachers discuss the books and study material which they follow and also discuss the examination pattern and questions which are asked in the examinations. These meetings are held once in a month.

### 6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

**Response:** 12.2

#### 6.5.3.1 Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
19	17	07	01	05

File Description	Document
Number of quality initiatives by IQAC per year for promoting quality culture	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

### 6.5.4 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
- 2.Academic Administrative Audit (AAA) and initiation of follow up action
- 3.Participation in NIRF
- 4.ISO Certification
- 5.NBA or any other quality audit

**Response:** A. Any 4 of the above

File Description	Document
e-copies of the accreditations and certifications	<a href="#">View Document</a>
Details of Quality assurance initiatives of the institution	<a href="#">View Document</a>

#### **6.5.5 Incremental improvements made during the preceding five years (*in case of first cycle*) Post accreditation quality initiatives (*second and subsequent cycles*)**

##### **Response:**

Some of the improvements made during last five years are listed below:

##### **Academics/Teaching Learning**

- Faculty qualification is improved i.e. number faculty with PhD degree is increased.
- Partial delivery of courses by adjunct/visiting faculty is being done regularly.
- Faculty/Students are utilizing the NPTEL lectures and e-resources.
- Number of students taking access of multimedia section of library is increasing.
- The students acquire knowledge about new technologies and hands-on training of latest industrial tools in the workshops.
- Industrial Visits is a regular practice done by the departments. Providing the students an inside experience of the industry.
- One of the most efficient ways to achieve continuous improvement is feedback mechanism.
- Institute takes feedback from students, faculties, alumni, and other stakeholders regularly which gives necessary insights into areas of improvement.
- Attainment of the COs, POs and PSOs are being done regularly.
- On-line feedback system for each course has been implemented.
- Soft Skill Training and Campus recruitment training is being provided to the students to improve the personality/competency.

##### **Research and Development**

- Collaborative activities like MoUs and tie ups are increased which help in development of institution in terms of academic excellence, Research and Development, faculty and student development, Entrepreneurship and Placement.
- Entrepreneurship culture is developed among the students by organizing various motivational and awareness programs under EDP cell.
- Incubation Cell has been initiated.
- Many faculty members have now published patents and copyright.
- Faculty publication is improved. Also quality of publication is improved. Number of papers indexed in WoS, SCOPUS is increased.
- Progressively increasing number of proposals has been submitted to various funding agencies.

##### **Infrastructure and Learning Resources**

- Smarts rooms are developed.

- There are number of advanced software tools which have been purchased.
- Availability of resources for academics is increased due to sharing of e-books with the students from e-resource like National Digital Library (NDL), DELNET, etc.
- NSS cell has become active and organized many social programs. In assistance with teachers and students the Institute is working hard towards the development of society.

### **Student Progresson**

- Institute has also focused on soft skills development and training programmes through various guest lectures and workshops organized. As a result, students have become effective communicators, self-confident and self reliant as has been reflected in enhanced campus placements since 2012-2013.
- Analysis of Final year results of past 5 years further suggests an increase in pass percentage of students with distinction and a decrease in the percentage of failures.
- Efforts to increase number of students qualifying in national level entrance examinations have also been fruitful with an increase in number in last 5 years..
- In achieving excellence in the teaching-learning process and enabling slow learners to enhance their learning outcomes, faculty members were advised to write books in simple lucid language as per the syllabus of Anna University. As a result, faculty members have published textbooks consistently for consecutive years and in turn, it has positively impacted the results, the figure uploaded at the link for additional information reflects the same.

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

#### 7.1.1 Number of gender equity promotion programs organized by the institution during the last five years

**Response:** 28

##### 7.1.1.1 Number of gender equity promotion programs organized by the institution year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
7	9	4	4	4

File Description	Document
Report of the event	<a href="#">View Document</a>
List of gender equity promotion programs organized by the institution	<a href="#">View Document</a>

#### 7.1.2

##### 1. Institution shows gender sensitivity in providing facilities such as:

1. Safety and Security
2. Counselling
3. Common Room

**Response:**

JCT Institution has a clear motto to provide education to all especially for the upliftment of downtrodden and rural people clearly depicting the discrimination against caste, creed, religion and gender, thus following the policies that enlighten the vision and mission of the institution in all aspects to meet the technical education demand growth all over the world. Our Institution provides safety, security & counselling facilities to both male and female students /staff by its well defined human values and ethical principles.

Institution not only shows gender sensitivity but is also a manifestation of sensitized approach towards differently able people. Thus encouraging the physically challenged youth to opt this college for their technological studies in turn paving a path for normalized future endeavours. The various structures erected at the canteen, and the building entrances, along with the lift facility near to the class rooms that portray a disable friendly environment without having a structural demarcation for the doors. This lets us to be a pioneer in the inclusion friendly academic institutions.

#### Safety & Security

The following points below indicate the secure actions for ones safety :

- All over the campus closed circuit cameras are placed at various points like Corridors, Class rooms, Library & Canteen...etc for ease of monitoring the individual actions in the campus.
- All the girl students / women in the institution have a hassle free environment.
- Women empowerment cell conducts periodic workshops and seminars to encourage women in increasing their perspective view of global standards for their development.
- Security checks are done at the entry and exit paths of the college.
- Fire extinguishers and fire safety hose are placed at each departmental floor.
- Courses related to industrial safety - training programmes are conducted for safety in industry and for improvement in technical development skills of an individual.
- Slide board transfer facilities & lift facilities are especially provided for physically challenged people.
- Stringent rules and timings are being followed for entry and exit into hostels
- Separate Boys and Ladies hostel are available at the College premises with the wardens at every floor.
- 24\*7 security staff availability and ambulance service within the campus
- Every individual irrespective of gender can discuss/ claim an official statement or complaint regarding any wrong or unfair treatment with the Grievance cell committee available in the Institution.
- Safety during transportation is met by using well equipped facilities such as first-aid kit, emergency exit and fire extinguisher.
- Counselling is given to the students during the admission into the College to clear the stress and confusion of a Student in choosing their technical field based on their interests and skills.
- Counselling records consists of personal info of the students along with their academic details. Each faculty is given a counselling record and has to look after the respective 20 - 30 students by counselling them periodically to identify their difficulties in both academics and personal life,thus giving suggestions in resolving them . Also provide encouragement by identifying their talent in academics and other extra- curricular activities to fulfil their dreams.
- Medical & Counselling Room is made available to all the students, teaching and non-teaching staff provided with a Medical representative and Professional counsellors to make them physically fit & mentally stable.
- **Common Room**
  - Common room facilities for both boys and girls are provided with good ventilation, dustbins and resting facilities.
  - Specific cleaning schedule is given to house keeping people for every individual department and monitored regularly.
  - Incinerator is also provided for healthy sanitation.

### 7.1.3 Alternate Energy initiatives such as:

#### 1.Percentage of annual power requirement of the Institution met by the renewable energy

**sources****Response: 0**

7.1.3.1 Annual power requirement met by the renewable energy sources (in KWH)

7.1.3.2 Total annual power requirement (in KWH)

Response: 125

File Description	Document
Details of power requirement of the Institution met by renewable energy sources	<a href="#">View Document</a>

**7.1.4 Percentage of annual lighting power requirements met through LED bulbs****Response: 89.5**

7.1.4.1 Annual lighting power requirement met through LED bulbs (in KWH)

Response: 25558

7.1.4.2 Annual lighting power requirement (in KWH)

Response: 28800

File Description	Document
Details of lighting power requirements met through LED bulbs	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.5 Waste Management steps including:**

- Solid waste management
- Liquid waste management
- E-waste management

**Response:**

The very good location of JCTCET inspires inhabitants to remain eco-friendly. Devoid of congested city environment, the staff and students enjoy the nature intimately on this campus. Besides having infrastructure construction as per the necessity for an educational campus, the institute puts in conscious efforts to enhance and nurture the eco-friendly environment on the campus. Monitoring and assessment of the green environment on the campus is done. All possibilities of enriching environment are constantly explored and implemented in planned way.

**Energy conservation:**



Electricity consumption is reduced by turning off electric devices like computers, fans, lights, air conditioner etc. before leaving the rooms. The fans and lights in the room can be controlled by a single switch outside the room. Thus at the click of the switch fans and lights of each room, department, the whole institute can be turned off/on. Class rooms, laboratories, offices, seminar hall, board room, library, study room, cabins etc.

### **Waste Management systems:**

The college administration gives top priority to keep the campus eco-friendly. The sprawling campus spread over 15 acres of land is rich with vegetation and natural beauty. The college has evolved its own policies for waste management, energy management and water management. The approach towards waste management is governed by the twin principles of reducing waste and processing waste. The college instructs the staff and students to reduce waste to the maximum possible extent. Also, the college instructs the students to deposit waste in separate bins kept for the purpose such as bio-degradable waste, non-degradable waste and E-waste. We have well functioning bio-gas plants. Bio-degradable and liquid waste collected everyday are taken to such plants for Processing. After processing, organic fertilizers and bio-gas are produced. Fertilizers are used for growing vegetables on the campus itself. Such vegetables are largely used by the canteen and hostels on the campus. The bio-gas produced is used in the hostels and canteen. The rest of the non-degradable waste and E-waste are sold to external agencies for demolished and making value added products. Sufficient staffs are employed on the campus to manage the waste generated. The student clubs like NSS, NCC and eco Club are doing a campaigning on the campus to properly manage waste.

### **Solid Waste Management**

The institution takes all measures required to ensure that the campus is free of plastic items and other wastes that harm the environment. The waste bins are placed separately for dry and wet waste at every corner of the corridor, wash rooms and common room. The dry waste bins are also placed in laboratories, library, classrooms, and etc. All departments and classrooms are provided with dustbins for dry wastage which are emptied every evening. Segregation of waste from the dustbins is done in other strategic locations, thus maintaining the Campus and keeping it clean and green. Transport arrangements for solid waste as well as composting arrangements to convert into fertilizer are made available. The rest of the non-degradable waste is sold to external agencies for demolished and making value added products. The collected waste is segregated at the source of the generation. An old newspaper, used papers and journal files, workshop scrap etc. is collected and given to the vendor on a regular basis. Metal and wooden waste is stored and given to authorized scrap agents for further processing. Glass bottles are reused in the laboratories. The food waste is converted into biogas and is again used for the kitchen. Sanitary napkins are disposed by using incineration process.

### **Liquid Waste Management**

Liquid Waste from the wash rooms is conveyed to the municipal sewage line. A wastewater from laboratories is treated by RO plant for using various purposes. Drinking water facility is arranged in every building of the campus. Wastage of drinking water is restricted through proper monitoring and instructed. Waste water is properly drained out to maintain the greenery in the campus as well as providing ecologically aesthetic environment. Proper drainage system is arranged for all the buildings of the campus.

### **E-Waste Management**

The institutions have suitable its inventory of 580 computers through reassembling, modification and up gradation by the institutes own team of IT Administrator, faculty members and students of Computer Science Engineering. This has been a critical Endeavour towards E-waste management ensuring that no discarded computers or printers are lying idle in the office premises. The e- wastes like computers, keyboards mouse's etc are collected and is disposed to the scrap dealer based upon the highest bidding. The condemned batteries and damaged computers are disposed through outside agencies. All Electronic waste **CPU's**, Hard disks, Laboratory Equipment scrap is sent to the market for sale. The cartridges of printer are refilled outside the college campus. UPS Batteries are recharged and repaired by the servicing agencies.

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

### 7.1.6 Rain water harvesting structures and utilization in the campus

#### Response:

The institution is situated in a village atmosphere with a lake. Water is abundantly available. Even if this is the case we acknowledge. That rain water is a precious resource which has to be utilized effectively and resourcefully. It is used in the drought seasons when water is scarce. There is not better resource for water available than the natural rain water. The college has well maintained well which remains throughout the year. The water from the top of roofs is collected through the proper network of pipes. There is a well connected pipe network delivery system; this network is instrumental in collecting the water, which is then passes within a reservoir. The network of well connected reservoir carries it to the pond. Rainwater harvesting provides an independent water supply during regional water restrictions. The water thus collected is then used for several purposes. The institution adopts sprinkler procedure in large lawns and water is very judiciously used for plantation purposes. Then used for the maintenance of the green cover in the campus.

- Rainwater harvesting is a process or technique of collecting, storing and using rainwater for irrigation and for various other purposes.
- Ponds are used to sink the water and recharge the groundwater table. The large volume of rainwater from the roof is collected.
- This water is partially used for gardening and the remaining water is used for ground water level Recharge and for improving the water level in the wells.
- The college enhances on the significance of water conservation and explains to all the students the importance of preserving and saving it.
- Students are encouraged to use water wisely and only when necessary. They also act immediately upon witnessing any wastage and take necessary action to stop it.
- One of the ways of preserving water in the college is rain water harvesting.

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

### 7.1.7 Green Practices

- **Students, staff using**
  - a) **Bicycles**
  - b) **Public Transport**
  - c) **Pedestrian friendly roads**
- **Plastic-free campus**
- **Paperless office**
- **Green landscaping with trees and plants**

#### Response:

The rapid development in infrastructure at the local, regional and global level has led to various environmental issues. To support and build a healthy environment it becomes necessary to adopt green practices. Being a leading institution of higher Technical Education, Institute initiates the Green Campus activity which will support environmentally sustainable development. 'The Green Campus' actively promote the various programs for the environment protection and sustainability such as, use of bicycles, public transport, and pedestrian-friendly roads, promotes plastic-free campus, paperless office, green landscaping with tree and plants.

- **Use of Bicycles, Public Transport, Pedestrian friendly roads**

Institute encourages all faculties and students to use public transport which will save energy resources and reduce environmental pollution. All nearby residing staff and students use bicycles and pedestrian-friendly roads to reach the institute and avoiding their personal vehicles. Most of faculties those are residing at the same location are pooled their vehicle to reach institute which saves fuel. Institute provides Bus facility to host elite students.

- **Plastic-free campus**

To avoid the use of plastic preferences are given to use non-plastic items in the institute campus like institute canteen, store, office etc.

- **Paperless office**

Institute purchased ERP (Enterprise Resource Planning) software system and implemented it for academic, training & placement and administrative works to reduce paperwork. EPR software is effectively used by students, staff and faculties to perform their daily work and updates, which reduces the paperwork and save time. In addition to this, Notices and Circulars by Principal and admin office are conveyed to all by emails and SMS.

- **Green landscaping with trees and plants**

Institute NSS unit regularly carried out Tree plantation activity. This activity helps in encouraging an eco-

friendly environment which provides pure oxygen within the institute and awareness among students. A dedicated staff is allotted for gardening and watering of all trees and plants. To save water drip irrigation system is also installed at some locations

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

#### 7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

**Response:** 1.08

7.1.8.1 Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

2018-19	2017-18	2016-17	2015-16	2014-15
3.79	6.75	9.52	4	7.19

File Description	Document
Green audit report	<a href="#">View Document</a>
Details of expenditure on green initiatives and waste management during the last five years	<a href="#">View Document</a>

#### 7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

**Response:** A. 7 and more of the above

File Description	Document
Resources available in the institution for Divyangjan	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years

**Response: 28**

7.1.10.1 Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
04	01	01	00	01

File Description	Document
Number of Specific initiatives to address locational advantages and disadvantages	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

#### 7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

**Response: 28**

7.1.11.1 Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	02	02	02

File Description	Document
Report of the event	<a href="#">View Document</a>

#### 7.1.12

**Code of conduct handbook exists for students, teachers, governing body, administration including**

**Vice Chancellor / Director / Principal /Officials and support staff****Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
URL to Handbook on code of conduct for students and teachers , manuals and brochures on human values and professional ethics	<a href="#">View Document</a>

**7.1.13 Display of core values in the institution and on its website****Response:** Yes

File Description	Document
Provide URL of website that displays core values	<a href="#">View Document</a>

**7.1.14 The institution plans and organizes appropriate activities to increase consciousness about national identities and symbols; Fundamental Duties and Rights of Indian citizens and other constitutional obligations****Response:** Yes

File Description	Document
Details of activities organized to increase consciousness about national identities and symbols	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.15 The institution offers a course on Human Values and professional ethics****Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide link to Courses on Human Values and professional ethics on Institutional website	<a href="#">View Document</a>

**7.1.16 The institution functioning is as per professional code of prescribed / suggested by statutory bodies / regulatory authorities for different professions****Response:** Yes

File Description	Document
Any additional information	<a href="#">View Document</a>
Provide URL of supporting documents to prove institution functions as per professional code	<a href="#">View Document</a>

**7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years**

**Response: 21**

7.1.17.1 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	3	4	4

File Description	Document
List of activities conducted for promotion of universal values	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

**7.1.18 Institution organizes national festivals and birth / death anniversaries of the great Indian personalities**

**Response:**

The institution celebrates Days of National Importance like Independence Day and Republic day with fervour and festivity. Death and Birth anniversaries of great personalities, Important Days of National and International events are also celebrated meaningfully. The institution celebrates these days of national importance to recall the events or contribution of our leaders in building the nation. Our institute organises several national festivals and birth/death anniversaries of the great Indian personalities such as: Teachers Day, Pongal Celebration, Women's Day Celebrations, Yoga Day, and Independence Day, Onam Celebration, Republic Day, World Food Day, Science Day Celebrations, Engineers Day.

**Republic Day and Independence Day**

Every year institute celebrate Republic Day and Independence Day with great pomp where all staff and students from Engineering gather at one campus along with the Non-teaching staffs and other workers

in the institution. The program starts with Flag Hosting at the hands of Principal usually and followed by National Anthem. Patriotic songs and various acts like playing violin by Joslin vijaya and skills are presented to the gathering by the students and staff members. The patriotic speech will be delivered by the principal and senior staffs to the students. Staff and students get to know the importance of national integrity in the country in genera and their role in it in particular.

### **International Yoga day**

The institute also conducted a massive plantation campaign.

### **International Women's Day**

International Women's Day is celebrated to highlight the achievements of women. The day also marks a call to action for accelerating gender parity.

### **Science Day**

National Science Day is celebrated in the memory of Dr C.V. Raman's invention of the Raman Effect. Poster presentations and quiz competitions are conducted and achievers are honoured with certificates. Scientists in the vicinity from the central and national organizations are invited as guests to motivate faculty and students by bringing the context of latest inventions and research

### **Teachers Day**

Since 1962 the day commemorates the birthday of Dr Sarvepalli Radhakrishnan, a great teacher and a staunch believer of education, known for his contribution towards the education system in India. The faculty of the College celebrates the Teacher's Day on September 05. On that occasion, all the teachers working in JCTCET gather at Seminar Hall. They take teachers' day oath (written by the former president of India late Dr. APJ Abdul Kalam).The program begins with the Prayer; later secretary and Principal provide brief introduction and significance of celebrating Teacher's Day, to addresses the gathering and empathises the role of teachers in everyone's life. Teachers' are noble contributors to society to mould and nurture responsible citizens to the Nation. On behalf of Management, a Memento with Greeting Card and sweets were distributed to all the Faculty members.

### **Engineers Day**

15th September is celebrated as Engineers Day in honour of Bharat Ratna Awardee Mokshagundam Visvesvaraya, an eminent engineer. The institute organises Engineering Today (ET) and Science Models are exhibited for engineering and school students

- Onam
- Pongal
- World Food Day

#### **7.1.19 The institution maintains complete transparency in its financial, academic, administrative and auxiliary functions**



**Response:**

The institution believes in high moral values and strong ethics. Through its teaching and functioning it strives to inculcate these values in its students and faculty as well. The administration of this institute is clearly done by the Governing council members and the staff of this institution. The authority disseminated to various levels were clearly defined. Frequently various internal audits were conducted for the smooth functioning of the institution. The periodical inspection reports were verified by the higher officials of the institution and the chartered accounts.

- The Advisor of the College guides, coordinates and monitors the administration regularly through the Principal in consultation with IQAC.
  - IQAC is serving as a bridge between the top Management and Staff and co-ordinates all the academic and administrative committees constituted in the institute.
  - Every transaction is through bank and a receipt is promptly issued whenever it is necessary and updated in ERP of concern faculty members. The receipt and payments are done through bank
  - The disbursement of scholarships and other monetary benefits to the students is done through banks.
  - The Committee is assisted by the experts to finalise matters relating to fee structure and the budget provisions of the college.
  - For this purpose, decisions are taken in staff council meetings. All circulars regarding, students, teaching staff & non teaching staff are circulated, read in all the classes & displayed on the notice boards.
  - Unique student id's are given to each student and official communication are done through the same.
  - Attendance of the student is posted in the [erp.jct.ac.in](http://erp.jct.ac.in) immediately after the completion of class work. SMS is sent to the parents when students are absent
  - Every month attendance and internal marks are communicated to the parents through letter
  - The complete academic status of any students can be obtained by concerned parents through SMS
  - The auxiliary functions like conduct of workshops, training programs, seminars, FDPs, conferences, guest lecturers etc., are strictly implemented through the series of the operation
- Proposal by specific department
  - Financial approval by the management/administration
  - Financial approval should be uploaded in ERP
  - Conduct of the program
  - Submission of accounts with supporting documents (within 1 month)
  - Submission of report
  - Program report should be uploaded in the College website and other social medias
- The complete record of these operations is made available in the concerned department. Transparency is ensured through this process
  - Various Committees too help in this regard. One representative of the Teaching faculty of each department is on the Governing Council.

**7.2 Best Practices**

**7.2.1 Describe at least two institutional best practices (as per NAAC Format)****Response:****7.2.1.1 TITLE OF THE PRACTICE: Integrated Academic Management System (IAMS)**

**7.2.1.2 OBJECTIVES OF THE PRACTICE:** The IAMS enables the students to acquire information and helps them to organize their thinking and build professional skills, gain knowledge and skills required for their study programs through technology-aided learning mechanisms

**7.2.1.3 THE CONTEXT:**

Being a rural based College the Institute has adopted different innovative and experiential learning practices and through constructive feedback, open communication, inculcating a culture of critical thinking and holding many in-depth discussions, the college has managed to uplift its most underprivileged members to be more self-reliant, career oriented and great leaders. The content developed by the Members of Faculty are being uploaded in the IAMS and kept available for Students to Study Anytime and Anywhere.

**7.2.1.4 THE PRACTICE:**

The IAMS enables the students to acquire information. It helps them to organize their thinking and build professional skills, gain knowledge and skills required for their study programs through technology-aided learning mechanisms. The college has encouraged students to pursue internships during the vacations and acquire necessary problem solving skills. The college regularly encourages the students to compete in external competitions (tech fests, paper presentations and idea and innovation contests).

**7.2.1.5 EVIDENCE OF SUCCESS:** This has helped improve the understanding of students on various topics and keep them updated with their literature available on the topic

**7.2.1.6 PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:** Damage to the hard disk or CPU is a problem and is addressed by frequent back-ups. The software may slow down the process and the software has to be updated regularly. Delay in updating leads to ambiguity. Authorization and authenticity has to be monitored closely.

**7.2.2.1. TITLE OF THE PRACTICE: Skill development through industry sponsored laboratories**

**7.2.2.2 OBJECTIVES OF THE PRACTICE:** The Entrepreneurship and Employability skills are being imparted through the Laboratories established by the support of Messer Automobiles, IPCS Automations and CISCO

**7.2.2.3. THE CONTEXT:** JCT College of Engineering and Technology is having Ingenious Power & Control Systems laboratory facilities. Through this IPCS research-oriented and progressive approach offers perfect automation solutions to a vast array of industries which include but are not confined to software, marine and construction engineering. We have been providing industries with services ranging from proposing and installing to the absolute commissioning of an automated system, Level 1 and Level 2

automation systems completely adhering to the industry standards. Capitalizing on its long-term industrial experience in Automation sector, IPCS, CISCO conducts various training programs specially tailored for Professionals, Corporate Companies and Colleges. IPCS provides a well-disposed and stimulating study environment addressing the intellectual, professional and leader development of students. The training programs provide the best practice in the latest technologies, trends and challenges in the immensely competitive areas of automation and embedded technologies.

**7.2.2.4. THE PRACTICE:** Messer Automobiles helps to work smarter and faster to compete with the industry world. IPCS Automations stimulates learning environment and gives exposure to latest technologies for students. CISCO helps students in gaining practical exposure via real CISCO devices and live equipment promoting innovative ideas leading to elevated professional growth. The company has set up the incubation centre at our campus. The exposure towards the industry environment helps the Students to shape their behavioral attitude.

**7.2.2.5. EVIDENCE OF SUCCESS:** The exposure towards the industry environment helps the Students to shape their behavioral attitude.

**7.2.2.6. PROBLEMS ENCOUNTERED AND RESOURCES REQUIRED:** The main objective is to improve the skill set of engineering students in Automation control, Embedded systems and applications by conducting value added course, certificate course and workshops.

### 7.3 Institutional Distinctiveness

#### 7.3.1 Describe/Explain the performance of the institution in one area distinctive to its vision, priority and thrust

##### Response:

Our college is known for empowering students and distinctive in Integrated Diversified Techno Values, who hails from Tamil Nadu and Kerala, diverse in inter cultural backgrounds. It promotes the awareness and understanding of the diverse cultures found within our region. The goal of this practice is to appreciate the work done by the teaching staff, NON-teaching staff and students of the institute and motivate them to excel in their areas of expertise. Tree Plantation drives are organized to help volunteers to think differently for the Society to make positive changes to create clean campus and green world and to make improvement. Cycle Day Celebration marks as a sign of integrated work and a symbol of the need for cycle for Health, Environment and Energy Conservation. Dengue Awareness Program is indeed a social awareness to be created as a joint work against the cleanliness. This was made possible by the diverse culture students of our college in joining hands to fight against dengue. This strives to contribute to the Nation building by grooming technocrats with a very sound value system and adapt to the 'melting pot' community in the world wide. Students of diverse culture came together to build our nation strong in the Blood Donation Camp. It helps them to facilitate self – growth and also as a role model to the budding technocrats. The distinctiveness of the Institute can be summerized as

- Students and Faculty members are from Tamil Nadu and Kerala, since the institution is located in

the border of two states.

- Special Programmes like Food Technology, Petroleum Engineering and Petrochemical Engineering are being offered.
- Four Programmes are NBA accredited and the institution is NAAC Accredited.
- To substantiate the vision of the college, that is to promote quality education and employment to all.
- The college offers number of concessions and scholarships for the economically poor students to pursue their higher education in the college.
- The Governing council and the College Development Council give much importance to the development and betterment of the college education.
- The management inspires the Principal, all the HoDs, staff and students towards fulfillment of the stated vision and mission.
- Management discusses in its regular meetings the academic, administrative plan, policy and implementation.
- The college fulfills all the requirements of departments like infrastructure, library, building and extension.
- Management offers concessions to economically poor students and scholarships to student achievers.
- The management implements all the decisions taken in the IQAC meetings with stake holders for the enhancement of quality assurance and sustenance in all areas of academic performance of the institution.
- The discussion and decision with regard to the curricular programmes in tune with Vision and Mission of the Institution taken by various academic bodies are communicated effectively to all students, Teaching and Non-teaching staff of the college through circulars / notices / emails / sms alerts.

## 5. CONCLUSION

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### Additional Information :

#### .....AN INSTITUTE WITH A DIFFERENCE.....

- Where we believe that education should stimulate the minds of the young and inflame their intellect.
- Where citizens of tomorrow are groomed by dedicated and trained faculty.
- Where the focus is on teaching not just to make a living but how to make a life.
- Where there is symbiosis of technological development and human values.
- Consistent institutional growth with respect to student intake, faculty, infrastructural, facilities, etc. Students performance at university examination.
- Campus placement for eligible students.
- Increase in number of students planning for higher studies.
- Organization of successful national and international level events.
- Conduct of university curriculum with full effectiveness and performance monitoring.
- Mock test to boost confidence and performance in campus placement.
- Emphasis on extra-curricular and co-curricular activities for overall growth of personality.
- Industry Intraction through certificate courses, expert lectures, industrial visits, Intrnships etc.

### Concluding Remarks :

Right from its inception, the Institution has grown leaps and bounds both in its size as well as stature till this day and promises to continue in its progressive mode of placing at the hands of our nation , Engineers with knowledge, skill as well as human values. The Institution has been constantly refining its focus as well as modus operandi in achieving the Vision it has set for itself. The descriptive summaries and the accompanying data under each criterion are a proof of the sincere efforts of the Institution in this direction. It is a firm belief as well as the perception of the Management of this Institution that the growth in infrastructure, academics, research, co-curricular and extracurricular activities, activities on social and national issues for creating awareness as well as mitigating the problems, contributions in terms of activities of relevance to local community around the Institution - have all been in keeping with the expectations of approving, affiliating and accrediting bodies highly relevant to the present-day educational scenario in the country.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.2	<p>Number of certificate/diploma program introduced during the last five years</p> <p><b>1.1.2.1. Number of certificate/diploma programs introduced year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>15</td><td>16</td><td>17</td><td>16</td><td>12</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>14</td><td>12</td><td>14</td><td>12</td><td>10</td></tr></table> <p>Remark : The HEI has claimed some of these certificate courses as VET program also. The name vocational is added in 5.1.5 by the CO's and CEO's are the same. These have been considered only in 5.1.5. These are STADD PRO AUTO CAD NETWORK SECURITY NETWORK SEQRITY CAD COURSE SOFTWARE TRAINING IOT USING RASPBERRY PI PCB DESIGN Eg Internet of things with Raspberry Pi PCB designing and simulation. The HEI was requested to attach valid, authenticated &amp; relevant data in NAAC format as Excel file. This has not been provided. All the values in tables/pdf to be totaled and signed by the principal. The HEI did not provide copies of the certificate issued.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	15	16	17	16	12	2018-19	2017-18	2016-17	2015-16	2014-15	14	12	14	12	10
2018-19	2017-18	2016-17	2015-16	2014-15																	
15	16	17	16	12																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
14	12	14	12	10																	
1.1.3	<p>Percentage of participation of full time teachers in various bodies of the Universities/ Autonomous Colleges/ Other Colleges, such as BoS and Academic Council during the last five years</p> <p><b>1.1.3.1. Number of teachers participating in various bodies of the Institution, such as BoS and Academic Council year-wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>0</td><td>2</td><td>2</td><td>0</td><td>0</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>0</td><td>2</td><td>01</td><td>0</td><td>0</td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15	0	2	2	0	0	2018-19	2017-18	2016-17	2015-16	2014-15	0	2	01	0	0
2018-19	2017-18	2016-17	2015-16	2014-15																	
0	2	2	0	0																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
0	2	01	0	0																	
1.2.1	<p>Percentage of new Courses introduced out of the total number of courses across all Programs offered during last five years</p> <p><b>1.2.1.1. How many new courses are introduced within the last five years</b></p>																				

	Answer before DVV Verification : 457 Answer after DVV Verification: 444																				
1.2.3	<p>Average percentage of students enrolled in subject related Certificate/ Diploma programs/Add-on programs as against the total number of students during the last five years</p> <p>1.2.3.1. Number of students enrolled in subject related Certificate or Diploma or Add-on programs year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>1246</td><td>1328</td><td>1146</td><td>1126</td><td>982</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>371</td><td>184</td><td>376</td><td>237</td><td>349</td></tr></table> <p>Remark : The HEI data updated taking into consideration that some of the Certificate/ Diploma programs that are common with VET have not been considered. HEI data updated.</p>	2018-19	2017-18	2016-17	2015-16	2014-15	1246	1328	1146	1126	982	2018-19	2017-18	2016-17	2015-16	2014-15	371	184	376	237	349
2018-19	2017-18	2016-17	2015-16	2014-15																	
1246	1328	1146	1126	982																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
371	184	376	237	349																	
1.3.2	<p>Number of value added courses imparting transferable and life skills offered during the last five years</p> <p>1.3.2.1. Number of value-added courses imparting transferable and life skills offered during the last five years</p> <p>Answer before DVV Verification : 77 Answer after DVV Verification: 55</p> <p>Remark : As per the HEI data attached with the Metric 1.1.2 and 5.1.5. The HEI has claimed some of these certificate courses as VET program also. The name vocational is added in 5.1.5 by the CO's and CEO's are the same. HEI data updated to exclude the courses common between VET and Value Added Courses. Out of the earlier 66 courses, 11 also appear as VET. The HEI data updated.</p>																				
1.4.2	<p>Feedback processes of the institution may be classified as follows:</p> <p>Answer before DVV Verification : A. Feedback collected, analysed and action taken and feedback available on website Answer After DVV Verification: A. Feedback collected, analysed and action taken and feedback available on website</p>																				
2.1.2	<p>Average Enrollment percentage</p> <p>(Average of last five years)</p> <p>2.1.2.1. Number of students admitted year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td></td><td></td><td></td><td></td><td></td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15															
2018-19	2017-18	2016-17	2015-16	2014-15																	

408	572	487	473	479
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Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
408	572	487	473	479

2.1.2.2. Number of sanctioned seats year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
732	732	732	732	732

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
732	732	732	732	732

Remark : The HEI has not counted LEET admissions in the sanctioned intake.

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

2.3.2.1. Number of teachers using ICT

Answer before DVV Verification : 162

Answer after DVV Verification: 162

2.3.3 Ratio of students to mentor for academic and stress related issues

2.3.3.1. Number of mentors

Answer before DVV Verification : 135

Answer after DVV Verification: 133

Remark : The HEI has the same name repeated in the list. S Periasamy has been repeated at Sl 106 and 135.

2.4.2 Average percentage of full time teachers with Ph.D. during the last five years

2.4.2.1. Number of full time teachers with Ph.D. year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
27	22	19	17	9

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15



26	22	19	16	08
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Remark : As per the HEI data attached with the Metric in response.

2.4.4 Percentage of full time teachers who received awards, recognition, fellowships at State, National, International level from Government, recognised bodies during the last five years

2.4.4.1. Number of full time teachers receiving awards from state /national /international level from Government recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
3	0	1	1	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	1	0	0

2.4.5 Average percentage of full time teachers from other States against sanctioned posts during the last five years

2.4.5.1. Number of full time teachers from other states year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9	8	7	6	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
9	8	7	7	7

2.6.3 Average pass percentage of Students

2.6.3.1. Total number of final year students who passed the examination conducted by Institution.

Answer before DVV Verification : 308

Answer after DVV Verification: 309

2.6.3.2. Total number of final year students who appeared for the examination conducted by the institution

Answer before DVV Verification : 483

Answer after DVV Verification: 483

Remark : As per the HEI data attached with the Metric in response.

3.1.1 Grants for research projects sponsored by government/non government sources such as industry

,corporate houses, international bodies, endowment, chairs in the institution during the last five years (INR in Lakhs)

3.1.1.1. Total Grants for research projects sponsored by the non-government sources such as industry, corporate houses, international bodies, endowments, Chairs in the institution year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1.01	0.75	2.35	1.71	0.6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0.54	0	0.11	00

3.1.2 Percentage of teachers recognised as research guides at present

3.1.2.1. Number of teachers recognised as research guides

Answer before DVV Verification : 5

Answer after DVV Verification: 04

3.1.3 Number of research projects per teacher funded, by government and non-government agencies, during the last five year

3.1.3.1. Number of research projects funded by government and non-government agencies during the last five years

Answer before DVV Verification : 9

Answer after DVV Verification: 02

3.1.3.2. Number of full time teachers worked in the institution during the last 5 years

Answer before DVV Verification : 890

3.2.2 Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices during the last five years

3.2.2.1. Number of workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
14	17	10	10	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
00	01	00	02	00

Remark : The HEI has included AutoCAD, Cyber Security etc are not workshops/seminars

conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices. Seminar Inventive Systems on 19 Jan 2017 considered. The theme of seminar Digital Image processing is not directed towards plagiarism check. CREO-CAD considered. The HEI was advised that Details had not been provided. Activities listed did not qualify as workshops/seminars conducted on Intellectual Property Rights (IPR) and Industry-Academia Innovative practices. The HEI was requested that activities with a bearing on Intellectual Proper Rights, Innovation practices, and Industry- academia initiatives can only be considered here. The HEI had not attached any report with the Metric. Support document in the form of a report with photographs were requested, however these have not been provided. The scans are not high quality documents. Large content of the attached data is not relevant to IPR. The IPR cell has not been established. The following have been considered Activities of 02 Apr 2016, 23 Apr 2016 and 07 Mar 2018.

### 3.3.3 Number of Ph.D.s awarded per teacher during the last five years

#### 3.3.3.1. How many Ph.Ds awarded within last five years

Answer before DVV Verification : 4

Answer after DVV Verification: 03

#### 3.3.3.2. Number of teachers recognized as guides during the last five years

Answer before DVV Verification : 5

Answer after DVV Verification: 4

Remark : Dr S Srinivasan has been awarded PhD in August 2019 and hence is eligible only in 2019-20. As per the HEI data and the data in 3.1.2 for the Number of teachers recognised as research guides.

### 3.3.4 Number of research papers per teacher in the Journals notified on UGC website during the last five years

#### 3.3.4.1. Number of research papers in the Journals notified on UGC website during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9	6	6	3	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
6	6	5	3	0

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

#### 3.3.5.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15

40	85	67	59	33
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Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	19	3	1	2

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

3.4.2.1. Total number of awards and recognition received for extension activities from Government /recognised bodies year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
0	2	0	1	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

3.4.3 Number of extension and outreach Programs conducted in collaboration with Industry, Community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., 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:

2018-19	2017-18	2016-17	2015-16	2014-15
11	10	5	4	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
5	8	4	2	3

3.4.4 Average percentage of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. during the last five years

3.4.4.1. Total number of students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1747	1686	1154	785	1050

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1200	1000	831	475	150

Remark : . The HEI was advised that NSS and NCC activities were not eligible as these formed part of the earlier Metric. It was advised that students participating in extension activities with Government Organisations, Non-Government Organisations and programs such as Swachh Bharat, Aids Awareness etc only were eligible. Copy of circular/ brochure/ report of the initiative/ photos of the initiatives/ news report published must be provided. The HEI has claimed the same activities as in 3.4.3. One student taking part in MORE THAN ONE activity in an AY is counted as ONE ONLY. As per the HEI data attached with the response.

3.5.1 Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc during the last five years

3.5.1.1. Number of linkages for faculty exchange, student exchange, internship, field trip, on-the-job training, research, etc year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
51	48	41	25	17

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
42	36	29	21	11

3.5.2 Number of functional MoUs with institutions of National/ International importance, Other Institutions, Industries, Corporate houses etc., during the last five years (only functional MoUs with ongoing activities to be considered)

3.5.2.1. Number of functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years (only functional MoUs with ongoing activities to be considered)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	14	17	9	2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
10	8	8	4	1

Remark : As per the HEI data in response. Only MoU's of life of 03 years or more considered and specific to functional MoUs with institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years. Imparting training agreements are part of 3.5.1 and not eligible here.

4.1.3 Percentage of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc

4.1.3.1. Number of classrooms and seminar halls with ICT facilities

Answer before DVV Verification : 43

Answer after DVV Verification: 043

Remark : As per the HEI data attached with the Metric in response the HEI has 06 fixed LCD projectors. The HEI has claimed movable LCD to be part of classrooms and seminar halls with ICT - enabled facilities such as smart class, LMS, etc. The HEI was requested to provide a copy of the stock register for the LCD's. However stock register supports LCD to be 43 and the HEI claim is accepted.

4.1.4 Average percentage of budget allocation, excluding salary for infrastructure augmentation during the last five years.

4.1.4.1. Budget allocation for infrastructure augmentation, excluding salary year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
230	120	580	380	230

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
427.17	184.61	578.97	379.14	220.35

4.2.4 Average annual expenditure for purchase of books and journals during the last five years (INR in Lakhs)

4.2.4.1. Annual expenditure for purchase of books and journals year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
21.5	14.98	5.46	15.48	9.29

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16.90	10.92	12.34	14.96	20.27

4.2.6	<p>Percentage per day usage of library by teachers and students</p> <p>4.2.6.1. Average number of teachers and students using library per day over last one year Answer before DVV Verification : 545 Answer after DVV Verification: 515</p>																				
4.3.4	<p>Facilities for e-content development such as Media Centre, Recording facility, Lecture Capturing System (LCS)</p> <p>Answer before DVV Verification : Yes Answer After DVV Verification: No</p> <p>Remark : The HEI was advised that the supporting documents attached did not support HEI claim of existence of Media Centre, Recording facility, Lecture Capturing System (LCS). The HEI has photo of you tube sound system. The facility of Media Centre, Recording facility, Lecture Capturing System (LCS) would be separate one. The HEI did not provide any documents/ photographs or invoice in proof of the claim. Pic of this facility and link of the lectures does not support claim. What the HEI has included are normal video recording. The HEI was advised that lecture capturing facility must be as per the ugc requirement <a href="https://www.ugc.ac.in/oldpdf/xiplanpdf/EContentxiplan.pdf">https://www.ugc.ac.in/oldpdf/xiplanpdf/EContentxiplan.pdf</a> The HEI to provide stock register entries of the equipment for LCS.As per the HEI data attached with the Metric in response.</p>																				
5.1.2	<p>Average percentage of students benefited by scholarships, freeships, etc. provided by the institution besides government schemes during the last five years</p> <p>5.1.2.1. Total number of students benefited by scholarships, freeships, etc provided by the institution besides government schemes year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>848</td><td>857</td><td>754</td><td>730</td><td>576</td></tr></table> <p>Answer After DVV Verification :</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>848</td><td>857</td><td>754</td><td>730</td><td>576</td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15	848	857	754	730	576	2018-19	2017-18	2016-17	2015-16	2014-15	848	857	754	730	576
2018-19	2017-18	2016-17	2015-16	2014-15																	
848	857	754	730	576																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
848	857	754	730	576																	
5.1.3	<p>Number of capability enhancement and development schemes –</p> <p>1. For competitive examinations</p> <p>2. Career counselling</p>																				

3. Soft skill development

4. Remedial coaching

5. Language lab

6. Bridge courses

7. Yoga and meditation

8. Personal Counselling

Answer before DVV Verification : A. 7 or more of the above

Answer After DVV Verification: A. 7 or more of the above

5.1.4 Average percentage of student benefited by guidance for competitive examinations and career counselling offered by the institution during the last five years

5.1.4.1. Number of students benefited by guidance for competitive examinations and career counselling offered by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1445	1403	1450	1475	1352

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
483	511	529	466	430

Remark : The HEI data of 5.2.3 is not as per the HEI claim. The HEI cannot claim that a student is benefited by guidance for competitive examinations and career counselling offered by the institution every year from year 1 to year 4 and as many times. The major benefit, even if counselled for all the years of study, would be once when the student appears in higher exam/placement. The data of 5.2.1 is considered.

5.1.5 Average percentage of students benefited by Vocational Education and Training (VET) during the last five years

5.1.5.1. Number of students attending VET year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
923	874	961	889	839

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
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0	0	0	0	0
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Remark : The HEI did not provide the start date, time tables and the exam date at the end of the program every year. The HEI had included the same courses as in 1.1.2 and 5.1.5. The HEI was requested to provide the authority for introducing these VET programs and the necessary brochures for each of them. HEI was to highlight the syllabus part of the claimed courses which makes it a VET and the skills offered (during the last five years). The HEI is also to provide year wise and course wise time table for conduct. Average percentage of students benefited by Vocational Education and Training (VET) during the last five years. The attached data does not support the HEI claim for the VET to be 03 months (>30 contact hrs) containing practical vocational program. All the listed courses are professional and part of Value added courses.

5.2.3 Average percentage of students qualifying in State/ National/ International level examinations during the last five years (eg: NET/ SLET/ GATE/ GMAT/ CAT/ GRE/ TOEFL/ Civil Services/State government examinations)

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

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	0	4	15	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	1	0	0	0

**5.2.3.2. Number of students who have appeared for the exams year-wise during the last five years**

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	0	4	15	0

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
7	1	4	15	0

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) 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:

2018-19	2017-18	2016-17	2015-16	2014-15
7	7	4	3	3

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
1	1	1	0	0

5.3.3 Average number of sports and cultural activities/ competitions organised at the institution level per year

5.3.3.1. Number of sports and cultural activities / competitions organised at the institution level year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
20	20	20	20	20

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
16	15	14	14	14

5.4.2 Alumni contribution during the last five years(INR in Lakhs)

Answer before DVV Verification : ? 5 Lakhs

Answer After DVV Verification: ? 5 Lakhs

5.4.3 Number of Alumni Association / Chapters meetings held during the last five years

5.4.3.1. Number of Alumni Association /Chapters meetings held year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
5	4	7	1	1

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
4	2	4	1	1

6.2.3 Implementation of e-governance in areas of operation

1. Planning and Development
2. Administration

3. Finance and Accounts
4. Student Admission and Support
5. Examination

Answer before DVV Verification : A. All 5 of the above

Answer After DVV Verification: A. All 5 of the above

6.3.2 Average 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:

2018-19	2017-18	2016-17	2015-16	2014-15
111	112	104	102	99

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
90	104	110	102	90

Remark : The HEI has not provided any details of the initiatives, Invoice of purchase if any, and photographs of the installations etc. to be included. The HEI to provide signed copy of the Green audit report and any other supporting document in proof of same.

6.3.3 Average number of professional development /administrative training programs organized by the institution for teaching and non teaching staff during the last five years

6.3.3.1. Total number of professional development / administrative training programs organized by the Institution for teaching and non teaching staff year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
11	13	14	10	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
09	13	13	06	6

Remark : The HEI did not provided any details of the No support documents and photographs are included. The activities for the faculty are not professional developments. The HEI must provide List of professional development / administrative training programs organized by the institution. HEI to provide details of the resource person or the trainer, the dates of conduct, attendance of faculty/staff and photo-graphs all signed by the principal.

6.3.4 Average percentage of teachers attending professional development programs viz., Orientation

Program, Refresher Course, Short Term Course, Faculty Development Program during the last five years

6.3.4.1. Total number of teachers attending professional development programs, viz., Orientation Program, Refresher Course, Short Term Course, Faculty Development Programs year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
125	160	175	115	96

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
97	111	118	115	96

Remark : The HEI did not provide the names of the faculty attending and the venue of the programs. The HEI had included local seminars as FDP's. Large number of data were of 02 days or less. The HEI was requested to attach valid, authenticated & relevant data in NAAC format as Excel file. All the values in tables/pdf was to be totaled and signed by the principal. The HEI has not attached Excel Format. Multiple claims by the same teacher in a year cannot be verified. The image of the pdf of data is not in alphabetical sequence. The summary signed by the principal is considered.

6.4.2 Funds / Grants received from non-government bodies, individuals, Philanthropists during the last five years (not covered in Criterion III) (INR in Lakhs)

6.4.2.1. Total Grants received from non-government bodies, individuals, philanthropists year-wise during the last five years (INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
2.2	3.24	2.68	1.69	0.2

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
0	0	0	0	00

6.5.3 Average number of quality initiatives by IQAC for promoting quality culture per year

6.5.3.1. Number of quality initiatives by IQAC for promoting quality year-wise for the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
19	19	10	7	6

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
19	17	07	01	05

Remark : As per the HEI data attached with the Metric in response.

6.5.4

Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); timely submission of Annual Quality Assurance Report (AQAR) to NAAC; Feedback collected, analysed and used for improvements
2. Academic Administrative Audit (AAA) and initiation of follow up action
3. Participation in NIRF
4. ISO Certification
5. NBA or any other quality audit

Answer before DVV Verification : A. Any 4 of the above

Answer After DVV Verification: A. Any 4 of the above

Remark : As per the HEI data attached with the Metric in response and updated links provided.

7.1.1

Number of gender equity promotion programs organized by the institution during the last five years

7.1.1.1. Number of gender equity promotion programs organized by the institution year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
7	9	4	4	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
7	9	4	4	4

7.1.4

Percentage of annual lighting power requirements met through LED bulbs

7.1.4.1. Annual lighting power requirement met through LED bulbs (in KWH)

Answer before DVV Verification : 25558

Answer after DVV Verification: 25558

## 7.1.4.2. Annual lighting power requirement (in KWH)

Answer before DVV Verification : 28558

Answer after DVV Verification: 28800

Remark : As per the HEI data attached in response to clarification. As per the attached data (invoices) the HEI has (155+110) 36Watt tube @ Rs 34 ea which is not LED. similarly fans (74) are also part non LED consumer of power.

## 7.1.8 Average percentage expenditure on green initiatives and waste management excluding salary component during the last five years

## 7.1.8.1. Total expenditure on green initiatives and waste management excluding salary component year-wise during the last five years(INR in Lakhs)

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
9.62	9.54	9.52	9.42	9.21

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
3.79	6.75	9.52	4	7.19

Remark : The HEI did not provide any details of the initiatives, Invoice of purchase and photographs of the installations etc. The HEI was requested to provide signed copy of the invoices and Green audit report and any other supporting document in proof of same. It was requested that extract of expenditure signed by the CA and the principal may be provided. The attached documents are signed by the Finance officer and not CA. the HEI has not provided documents/ photographs of rain water harvesting or invoice of STP/ works for rain water harvesting.

## 7.1.9 Differently abled (Divyangjan) Friendliness Resources available in the institution:

1. Physical facilities
2. Provision for lift
3. Ramp / Rails
4. Braille Software/facilities
5. Rest Rooms
6. Scribes for examination
7. Special skill development for differently abled students
8. Any other similar facility (Specify)

Answer before DVV Verification : A. 7 and more of the above

Answer After DVV Verification: A. 7 and more of the above

## 7.1.10 Number of Specific initiatives to address locational advantages and disadvantages during the last five years 7.1.10.1. Number of specific initiatives to address locational advantages and disadvantages year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	4	6	4	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
04	01	01	00	01

Remark : mber of specific initiatives to address locational advantages and disadvantages year-wise during the last five years as per applicability of the data. The following are considered. Dengu Awareness Program 2014-15, Tobacco Free Population 2016-17 "Awareness Program on Rain Water Harvesting" 2017-18 and Dengu Awareness Program Wild Boar Repellent Gaja Cyclone Relief Activity Tree Plantation of 2018-19.

7.1.11 Number of initiatives taken to engage with and contribute to local community during the last five years (Not addressed elsewhere)

7.1.11.1. Number of initiatives taken to engage with and contribute to local community year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
10	4	6	4	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15
2	2	02	02	02

7.1.17 Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties during the last five years

7.1.17.1. Number of activities conducted for promotion of universal values (Truth, Righteous conduct, Love, Non-Violence and peace); national values, human values, national integration, communal harmony and social cohesion as well as for observance of fundamental duties year-wise during the last five years

Answer before DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
5	5	3	4	4

Answer After DVV Verification :

2018-19	2017-18	2016-17	2015-16	2014-15

5	5	3	4	4
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**2.Extended Profile Deviations**

ID	Extended Questions																				
1.1	<p>Number of courses offered by the institution across all programs during the last five years</p> <p>Answer before DVV Verification : 590</p> <p>Answer after DVV Verification : 448</p>																				
2.2	<p>Number of seats earmarked for reserved category as per GOI/State Govt rule year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>505</td><td>505</td><td>505</td><td>505</td><td>505</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>505</td><td>505</td><td>505</td><td>505</td><td>505</td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15	505	505	505	505	505	2018-19	2017-18	2016-17	2015-16	2014-15	505	505	505	505	505
2018-19	2017-18	2016-17	2015-16	2014-15																	
505	505	505	505	505																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
505	505	505	505	505																	
2.3	<p>Number of outgoing / final year students year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>470</td><td>486</td><td>512</td><td>419</td><td>388</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>483</td><td>511</td><td>529</td><td>466</td><td>430</td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15	470	486	512	419	388	2018-19	2017-18	2016-17	2015-16	2014-15	483	511	529	466	430
2018-19	2017-18	2016-17	2015-16	2014-15																	
470	486	512	419	388																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
483	511	529	466	430																	
3.1	<p>Number of full time teachers year-wise during the last five years</p> <p>Answer before DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>162</td><td>188</td><td>190</td><td>190</td><td>159</td></tr></table> <p>Answer After DVV Verification:</p> <table><tr><td>2018-19</td><td>2017-18</td><td>2016-17</td><td>2015-16</td><td>2014-15</td></tr><tr><td>162</td><td>188</td><td>190</td><td>179</td><td>149</td></tr></table>	2018-19	2017-18	2016-17	2015-16	2014-15	162	188	190	190	159	2018-19	2017-18	2016-17	2015-16	2014-15	162	188	190	179	149
2018-19	2017-18	2016-17	2015-16	2014-15																	
162	188	190	190	159																	
2018-19	2017-18	2016-17	2015-16	2014-15																	
162	188	190	179	149																	
4.2	<p>Total Expenditure excluding salary year-wise during the last five years ( INR in Lakhs)</p> <p>Answer before DVV Verification:</p>																				



2018-19	2017-18	2016-17	2015-16	2014-15
1619.85	1056.7	843.892	700.851	638.807

Answer After DVV Verification:

2018-19	2017-18	2016-17	2015-16	2014-15
1000.17	898.91	690.20	560.65	523.37

NAAC