



Yearly Status Report - 2019-2020

Part A

Data of the Institution

1. Name of the Institution		DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY
Name of the head of the Institution		A.SELVARAJ., M.E. Ph.D. MISTE.
Designation		Principal
Does the Institution function from own campus		Yes
Phone no/Alternate Phone no.		04290233334
Mobile no.		9442273721
Registered Email		principal@dgct.ac.in
Alternate Email		office@dgct.ac.in
Address		Opp.Salem Airport, Sikkanampatty (po), Omalur (tk)
City/Town		Salem
State/UT		Tamil Nadu
Pincode		636309

2. Institutional Status	
Affiliated / Constituent	Affiliated
Type of Institution	Co-education
Location	Rural
Financial Status	Self financed
Name of the IQAC co-ordinator/Director	Dr.S.VENKATESH., M.E,Ph.D.,MISTE.,
Phone no/Alternate Phone no.	04290233360
Mobile no.	9444822188
Registered Email	hod.ece@dgct.ac.in
Alternate Email	venkatesh.ece@dgct.ac.in

3. Website Address	
Web-link of the AQAR: (Previous Academic Year)	http://www.dgct.ac.in/naac/
4. Whether Academic Calendar prepared during the year	Yes
if yes,whether it is uploaded in the institutional website: Weblink :	http://www.dgct.ac.in/naac/academic-calendar/

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	B+	2.58	2017	09-Jun-2017	08-Jun-2022

6. Date of Establishment of IQAC	21-Feb-2015
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7. Internal Quality Assurance System

Quality initiatives by IQAC during the year for promoting quality culture		
Item /Title of the quality initiative by IQAC	Date & Duration	Number of participants/ beneficiaries
Workshop on Recent Trends in IoT	25-Nov-2019 2	18

Workshop on R Programming Tools	25-Nov-2019 2	15
Leaders Eat Last	01-Nov-2019 1	10
MIS Skill Training Programme	11-Oct-2019 1	5
Supporting Staff Orientation Programme	30-Sep-2019 1	4
Network Maintenance	06-Dec-2019 1	5
English Speaking Program	13-Sep-2019 1	28
Workshop on Construction & Contracting	08-Aug-2019 1	6
Workshop on CAD using CATIA	05-Jul-2019 2	17
Orientation Program on Fire Fighting & Precaution Measures	21-Jun-2019 1	23
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8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
Dr.S.Venkatesh	AICTE MODROB Rural	AICTE	2020 730	1694000
Dr.A.Selvaraj	AICTE MODROB Rural	AICTE	2020 730	1450000
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9. Whether composition of IQAC as per latest NAAC guidelines:

Yes

Upload latest notification of formation of IQAC

[View File](#)

10. Number of IQAC meetings held during the year :

2

The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website

Yes

Upload the minutes of meeting and action taken report

[View File](#)

11. Whether IQAC received funding from any of the funding agency to support its activities

No

during the year?

12. Significant contributions made by IQAC during the current year(maximum five bullets)

11 Professional development programs were organized for teaching and non-teaching faculty

DGCT received AICTE MODROBS funding ECE: Modernization of Advanced Communication Lab - Rs. 16,94,000 (Sanctioned) Mech: Modernization of Product Design and Development Lab Rs. 14,50,000(Sanctioned)

Received 10 Projects and 19.05 Lakh worth from NonGovernment Agencies

440 Students got Placed in various campus drives.

Academic and Administrative audit has been conducted

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13. Plan of action chalked out by the IQAC in the beginning of the academic year towards Quality Enhancement and outcome achieved by the end of the academic year

Plan of Action	Achivements/Outcomes
Competency development for teaching and nonteaching faculty	11 Professional development programs were organized for teaching and nonteaching faculty
In-plant Training and Internship for Students	In different companies, 643 Students have undergone Fieldwork / internship / Project work.
Industry Interaction/Collaboration	To improve the job opportunities of the graduates 26 MOU's / Collaborations with different industries has been signed.
Research and Development	<ul style="list-style-type: none">• Faculty with PhD's are more than 20• Received 10 projects and 19.05 Lakh worth from Non-Government Agencies.• Government Agencies provided 31.44 Lakhs for projects• Faculties attended 21 workshops / Seminars / Conference on research methodology / IPR / Entrepreneurship etc.,• Faculty members published 15 Journals and in 51 national and international conference proceedings.
Placement & Training	440 Students got placed in various campus drives
Value Added Program(VAP)	<ul style="list-style-type: none">• Conducted 36 Add-on programs.• Students more than 1811 have enrolled in Add on and got Certification

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14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes
Year of Submission	2018
Date of Submission	01-Jan-2018
17. Does the Institution have Management Information System ?	Yes
If yes, give a brief description and a list of modules currently operational (maximum 500 words)	<p>Our College Dhirajlal Gandhi College of Technology having centralized Management Information System (MIS) for its various processes. The MIS is developed for an optimum distribution of resources and services to yield maximum benefits to students, teachers, and the management alike. This MIS is a central data repository capable of not only gathering, organizing and storing data but also processing and analyzing it and generating various reports from it. It is specially designed to monitor the performance of education programs offered by the institute and to manage the distribution and allocation of educational resources. The major benefits of student, teachers and management by the MIS are as follows:</p> <p>For the Students: MIS stores crucial student data such as personal data, exam records, and even hostel, library details. Additionally, it keeps track of the day to day progress of students which is eventually used to analyze, monitor the improvements or retrogression in students overtime. This is a comprehensive approach as compared to the legacy database where the stored data was incapable of providing realtime crucial insights and consequently aiding the institution in better and timely decision making.</p> <p>For the Teachers: In our institution, the progress of educators is equally</p>

imperative for them as well as the institution itself. Educators need to deploy technology to gain indepth knowledge about student behavior and make the most out of the time and resources available to provide maximum aid to the students. Our MIS helps track faculty data such as attendance, and performance. But, more importantly, an MIS reduces the workload on teachers by providing quick access to data on any student or a group of students which can be drilled down, filtered, and arranged accordingly within a few clicks. For The Management: The MIS makes our institute to ease of tracking and analyzing resource distribution, expenditures. By resources, the management can invests in right from assets and infrastructure to study aids and educators. Additionally, the management can fully control which teacher, faculty, staff has access to what kind of data. For instance, sparing the staff incharge of finances, the management can lock the students financial records from all the other users or alternatively, academic performance data can be hidden from the staff. The various modules of MIS are as follows: 1.Admission Automation System Registration, Certificates Copy Manager, Student Discontinue, Student ID Card Printer, Various Reports 2.Accounting Software Student Fees Calculation and allocation, Fees Paid manager (Fees Billing), Fees Collection (University Exam / Answer Script / Revaluation), Various Reports 3.Administrator Student Roll Number Generation, Registration Number Allocation, Student Batch wise List, Section Division, Bonafide Certificate, CC Certificate, TC, Student various Reports, ID card 4.Student Information System a. Personal Details Scholarship, Bus/Hostel, Admission b.Academic Details Internal Marks, AnnaUniversity Marks, Attendance c.College particulars 5.Staff Information System Personal Details, Profiles 6.Outcome Based Education CO Manager, PO Manager, COs POs Mapping, Internal Mark Entry, University Attainment Fixing and Calculation 7.College Management Event: Club activities, Seminars, Conference Advertisement Circulars 8.Course Management System 9.Department

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Planning and Implementation

1.1.1 – Institution has the mechanism for well planned curriculum delivery and documentation. Explain in 500 words

At Dhirajlal Gandhi College of Technology (DGCT) strategies are evolved continuously to provide quality education to fulfill the aspirations of the students to achieve excellence in technical education. The curriculum and the syllabus of the UG and PG programs are designed by the affiliating University - Anna University, Chennai. The University introduced the Choice Based Credit System (CBCS) from the academic year 2017 with new curriculum and syllabus under the Regulation R2017. The University defines the number of mandatory courses, open electives and laboratory sessions along with their credits for all semesters. Each department follows their own Vision and Mission in line with that of the institute. The curriculum delivery focuses on Outcome Based Education. Our well qualified faculty members equipped with modern ICT Tools and laboratories together form a good learning environment to impart technical and value-based knowledge. The COs, POs and PSOs for all the courses are mapped and circulated. Based on the dates and schedules given by the University, a detailed Academic Planner for all semesters is prepared indicating the important dates such as regular tests, Value added Programs, Industrial Visits, model exams, events and holidays. The departments prepare workload and allot subjects and lab sessions for the faculty members based on four important parameters such as their experience, specialization, previous performance and students' feedback. Subsequently the faculty member compiles the Log Book which consists of Course Content, Course Objectives, Plan and Delivery details along with mode of Course Delivery and Course Assessment Plan. This is followed by preparation of Course File which includes Lecture Notes, Tutorial assignments and Lab session schedule, Unit wise Assignments and Question bank comprising of objective and subjective questions. They follow the Blooms taxonomy in this process. They also include content beyond the syllabus in the form of Value Added Programs, Field Visit, Guest Lectures and some Activity Based Learning. Class Time Tables and individual Staff time tables are prepared and circulated. The syllabus coverage is reviewed and assessed on a monthly basis by the Program Assessment Committee to ensure quality and quantity coverage of syllabus in time. Besides this every department has an Advisory Board comprising of industry personnel and subject experts in academic field, who guides the department with their valuable suggestions. The department also organizes subject based FDP and Pedagogy Training Programs to prepare the faculty for best Teaching Learning Process. Innovative Teaching methods are documented through videos and add up to the DGCT elearning resource. Tutorial classes are conducted, especially in mathematics and analytical courses. Regular assignments focusing on improving problem solving skills are given to the students on the extended topics of the syllabus. Class committee meetings are conducted twice a semester and the feedback is shared with the faculty members for improvement. Laboratories are designed to promote the conduction of experiments individually and the similar log book is used to assess the curriculum delivery. Slow Learners are engaged with additional remedial classes to help them succeed.

1.1.2 – Certificate/ Diploma Courses introduced during the academic year

Certificate	Diploma Courses	Dates of Introduction	Duration	Focus on employ ability/entrepreneurship	Skill Development
Diploma in NX	Nil	05/06/2019	180	Automotive Industries Design and analysis	3D Modelling, Drafting, Assembly and Simulation
CreO	Nil	12/11/2019	15	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling , Assembly, Drafting, Animation
CATIA V5R20	Nil	09/05/2019	90	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling , Assembly, Drafting, Animation
CATIA V5	Nil	02/04/2019	90	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling , Assembly, Drafting, Animation
AUTOCAD	Nil	02/05/2019	15	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling and Drafting

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

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

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

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
BE	CIVIL ENGINEERING	03/06/2019
BE	COMPUTER SCIENCE ENGINEERING	03/06/2019
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	03/06/2019

BE	ELECTRICAL AND ELECTRONICS ENGINEERING	03/06/2019
BE	MECHANICAL ENGINEERING	03/06/2019
ME	CAD / CAM	03/06/2019
ME	COMMUNICATION SYSTEMS	03/06/2019
ME	COMPUTER SCIENCE ENGINEERING	03/06/2019
ME	STRUCTURAL ENGINEERING	03/06/2019

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

	Certificate	Diploma Course
Number of Students	185	0

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Fundamentals of Engg/Bridge Course	24/05/2019	274
Fundamentals of Civil Engineering	10/06/2019	37
English Communication	10/06/2019	366
AUTO CADD	03/01/2019	82
Programming in C	17/06/2019	427
Aptitude	08/02/2020	477
Personality Development	03/01/2020	480
Programming in JAVA	03/01/2020	342
Advanced C Programming	16/12/2019	95
Hardware and Networking	16/12/2019	85
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1.3.2 – Field Projects / Internships under taken during the year

Project/Programme Title	Programme Specialization	No. of students enrolled for Field Projects / Internships
BE	CIVIL ENGINEERING	98
BE	COMPUTER SCIENCE ENGINEERING	117
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	144
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	110
BE	MECHANICAL ENGINEERING	122
ME	CAD / CAM	6
ME	COMMUNICATION SYSTEMS	4
ME	COMPUTER SCIENCE ENGINEERING	4

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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	No

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

Feedback Obtained

The institution collects the feedback on curriculum aspects, courses and syllabus which is prescribed by the university from different stakeholders such as the Students, Teachers, Employers and Alumni, further college website invites all stakeholders to provide feedback through online also. The Institution collects all feedbacks and communication in the form of questionnaires and comments and analyzes to develop areas of improvement on it.

Student's Feedback: Based on the analysis of feedback received from stakeholders some of the needs and improvements required are derived. Some of the important observations from the analysis of student's feedback are as follows. Flexibility in curriculum and need for skill oriented courses were suggested.

- The curriculum should include advanced learning modules.
- Need for job Oriented courses, industry based training for facing interviews during campus selection.
- Needs more career Guidance and expert talks by industrialists.
- Research manuscript quality check can be made free access.
- Faculty-student interaction may be enhanced. Smart class programs may be made effective.
- Demo based, Project based learning and more industrial visits are to be provided.

Teacher's feedback: Some of the important observations from the analysis of Teacher's feedback are as follows.

- Suggestions from all faculties regarding curriculum revision are considered.
- Case study approach may be introduced. Group assignments and projects to be given.
- E- Waste recycling must be encouraged among student community.
- Evaluation of departmental activities and action plans may be implemented with inputs from subject experts to improve the curriculum.
- Refresher courses to enrich the learning experience of the faculty may be organized.
- Research quality may be enhanced by collaborative research with other institutions/industries in India and abroad.
- University examination questions to be covered in the given syllabus only.

Alumni Feedback: For example the important points to be improved from Alumni's feedback are as follows.

- Focus more on inter-disciplinary activities of many courses and on practical aspects.
- Projects should be given more weightage as evaluation component.
- Industrial experts must be invited to give guest lectures.
- Involve alumni in BOS and take their suggestions to revamp the curriculum to cater to the needs of the job market.
- Gender awareness programs and Capacity building programmes are to be organized.
- Employability skills and Training programme may be organized to improve the placement opportunities.
- Entrepreneurship development programmes may be conducted.

Employers Feedback: For example the important points to be improved from Employer's feedback are as follows.

- The recruiters from IT companies and other industries suggested that the students need to be more participate and work with teams more effectively.
- Students need to be aware of Industry Exposure and future needs.

CRITERION II – TEACHING- LEARNING AND EVALUATION

2.1 – Student Enrolment and Profile

2.1.1 – Demand Ratio during the year

Name of the Programme	Programme Specialization	Number of seats available	Number of Application received	Students Enrolled
BE	Civil Engineering	72	100	28
BE	Computer Science and Engineering	132	160	120
BE	Electronics and Communication Engineering	132	145	81
BE	Electrical and Electronics Engineering	132	156	59
BE	Mechanical Engineering	132	164	72
ME	Computer Science and Engineering	18	20	2
ME	Communication Systems	18	10	0
ME	Structural Engineering	18	36	7
ME	CAD/CAM	18	15	1

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1765	46	120	14	10

2.3 – Teaching - Learning Process

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

Number of Teachers on Roll	Number of teachers using ICT (LMS, e-Resources)	ICT Tools and resources available	Number of ICT enabled Classrooms	Number of smart classrooms	E-resources and techniques used
134	134	6	10	5	7

[View File of ICT Tools and resources](#)

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

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

Yes, there are three stages of mentoring system following in each department of DGCT. The class advisor, programme coordinator and all faculty members of the department are acting as mentors. The students are categorized as Advance Learners (A), Normal Learners (B) and Slow Learners (C). The students are distributed to all the faculties of the department with combination of three categories and all year students. The Class advisor mentoring the students in various aspects like daily class attendance, Continuous Internal Evaluation (CIE) test attendance, and analysis of test marks. The mentor mentoring the students in attentiveness in class, academic performance, attitude, discipline and personal matters. The program coordinator mentoring the students in academic achievements, co curricular, extracurricular activities and other special skill matters. The following are the major activities of mentoring system, • On an average of 15-20 students are allotted for each faculty. All mentors are responsible for the academic and emotional needs of the students allotted to them. • The mentor and students meet at least twice a month. The student shares the academic difficulties / emotional challenges and the class counselor is available at any time for any help or support for their needs. • The mentor maintaining the Counselling record, action taken / corrective measures / help offered to the student and also have a regular follow-up. • Any indicators like sudden dip in academic performance change in behaviour, regular absenteeism, being inattentive in the class, not concentrating / taking part in the class activities, self-talk, self-harm or causing harm to others, suicidal thoughts / speech, need to be immediately addressed and referred to the Student mentor. • The mentor gives individual care to the students to improve their academic progress and provides support on personal issues, to think and take important strategic decisions. • Mentoring towards moral, ethics, self discipline, addiction, habits, behavior and Psycho social counselling is also focused by senior faculty and with the help of parents. • Whenever the mentor have difficulty in counselling or no effects of counselling or if the student is undergoing any negative emotions or a trauma or a loss of loved members of the family and the student is finding difficult to handle it, those students can be referred to the Program coordinator and HoD. • The students those who are interested in pursuing their higher studies are provided career counselling and the job seekers are assisted with job search strategy by the Placement department and Life-long Learning Cell and Institute Industry Partnership Cell (IIPC) respectively.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
1811	134	1:14

2.4 – Teacher Profile and Quality

2.4.1 – Number of full time teachers appointed during the year

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
131	134	0	0	20

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Mrs. Archana Manojkumar	Associate Professor	Independent Women Director, Salem Smart City Limited
2020	Dr.A.Selvaraj	Professor	Recognition from M A, Mukesh Associates
2020	Dr.S.Venkatesh	Professor	Appreciation for fostering the ecosystem bridging Government, academia and Industry, AICTE TEXAS Instruments

2020	Dr.S.Rajendran	Professor	Recognition from M A, Mukesh Associates
2020	Mr.N.Panneer Selvam	Assistant Professor	Recognition from M A, Mukesh Associates
2020	Dr.P.Selvakumar	Associate Professor	Recognition from M A, Mukesh Associates
2020	Mr.S.Krishnan	Associate Professor	Recognition from M A, Mukesh Associates
2020	Ms.K.R.Deepa	Assistant Professor	Appreciation for fostering the ecosystem bridging Government, academia and Industry, AICTE TEXAS Instruments

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2.5 – Evaluation Process and Reforms

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

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
BE	103	I / I	10/12/2019	30/01/2020
BE	103	II / I	24/04/2020	15/08/2020
BE	103	III / II	07/11/2019	30/01/2020
BE	103	IV / II	27/03/2020	15/08/2020
BE	103	V / III	06/11/2019	30/01/2020
BE	103	VI / III	27/03/2020	15/08/2020
BE	103	VII / IV	09/11/2019	30/01/2020
BE	103	VIII / VI	27/03/2020	17/10/2020
BE	104	I / I	10/12/2019	30/01/2020
BE	104	II / I	24/04/2020	15/08/2020

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

For UG and PG programs, the institute conducts two Cycle Tests (CT) of 60 marks, Two Intensive Coaching and Tests (ICT) of 100 marks and One Model Examination of 100 marks. The best of two CTs marks with Assignment marks and Attended periods are entered into Anna university Web portal on Phase II. The best of Two ICTs marks and Attended Periods are entered in Phase III. Finally The Model Exam marks, attended periods for both theory and Laboratory course are entered on Phase IV. These phase marks will automatically converted in to 20 marks. End semester examination is for 100 marks which are conducted by the university and the scored mark is converted for 80 marks For CIE the question

is prepared by a staff and reviewed by the module coordinator and he will check the Bloom's Taxonomy level and CO coverage. Finally the question will approved by Programme Coordinator. The answer scripts evaluated by another staff like a University examination and Evaluation process to get realistic exam outcome.

After evaluation, the answer scripts are distributed to the students and collected any grievance regarding the evaluation and it is solved at the instant. The consolidated mark statement has prepared by the respective class advisor and displayed on the department notice board. The class committee meeting is regularly conducted before and after the commencement of CIE examination for syllabus coverage, subject difficulty, question bank distribution and results. For Academic project, Four reviews are conducted as per the chronological order of project prepared by the students.

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

The Academic Calendar is prepared based on Anna university important dates and University Examination schedule. Before the commencement of every semester, the Academic Calendar is displayed in all class rooms, on departmental notice boards and at strategic locations. The same is uploaded in the college website. Schedules for all examinations are given in the academic calendar. The Exam coordinator gives his inputs for the Continuous Internal Examination (CIE) schedules as per Anna university web portal dates. He includes the period of Two Cycle Tests, two Intensive Coaching Tests, one Model Theory and Practical Examination, Anna university tentative practical examination schedule, Anna University tentative theory exam schedule and semester end dates in the Academic Calendar. The Placement and Training Coordinator schedules the special training course, Mock interview, on campus interview, off campus interview, BEC training etc., as per calendar. The Head of Departments schedule the Guest Lectures Industrial Visits, various department activities such as Association Inauguration, one day workshops, Seminars, Intra department activities, Inter Department activities, Extracurricular activities and Association activities. The faculty members prepare the lesson plan, assignments dates, question bank for cycle tests, Intensive coaching tests and the Model Examination, CIE questions, Seminars, PBL classes, ABL classes, Evaluation, remedial classes and Submission of CIE marks based on academic calendar. The students will plan to organize inter and intra college co- curricular activities, to participate activities in other institution, Industrial training, Industrial visits, internships, National and International Project contests and Online courses (NPTEL, Swayam, MOOC etc.,) are based Academic calendar.

2.6 – Student Performance and Learning Outcomes

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

<http://www.dgct.ac.in/naac/academic-planner/index.php>

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students appeared in the final year examination	Number of students passed in final year examination	Pass Percentage
103	BE	Civil Engineering	94	93	98.9
104	BE	Computer Science and Engineering	97	86	88.7

105	BE	Electrical and Electronics Engineering	93	88	94.6
106	BE	Electronics and Communication Engineering	105	99	94.3
114	BE	Mechanical Engineering	106	99	93.4
402	ME	CAD/CAM	6	6	100
403	ME	Communication System	4	4	100
405	ME	Computer Science and Engineering	4	4	100
413	ME	Structural Engineering	20	19	95

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2.7 – Student Satisfaction Survey

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

<http://www.dgct.ac.in/naac/student-satisfaction-survey/>

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Resource Mobilization for Research

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

Nature of the Project	Duration	Name of the funding agency	Total grant sanctioned	Amount received during the year
Nill	150	Mukesh Associates, Salem	3	3
Nill	150	Mukesh Associates, Salem	2	2
Nill	120	Mukesh Associates, Salem	2	2
Nill	90	Mukesh Associates, Salem	1	1
Nill	90	Mukesh Associates, Salem	1	1
Nill	150	Mukesh Associates, Salem	2	2

Industry sponsored Projects	90	Mukesh Associates, Salem	1.25	1.25
Industry sponsored Projects	365	Mukesh Associates, Salem	4.3	4.3
Major Projects	365	AICTE	16.94	13.55
Major Projects	365	AICTE	14.5	11.6
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3.2 – Innovation Ecosystem

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

Title of workshop/seminar	Name of the Dept.	Date
Intellectual Property Rights and Innovations	MECHANICAL ENGINEERING	05/01/2020
Webinar on VLSI Design using Verilog HDL from Maven Silicon Bengaluru	ELECTRONICS AND COMMUNICATION ENGINEERING	07/01/2019
Special lecture on Test Engineering by Mr. Rajamanickam, Tessolve	ELECTRONICS AND COMMUNICATION ENGINEERING	11/01/2019
Awarness Programe on CAD using CATIA	MECHANICAL ENGINEERING	05/07/2019
Awarness Programe on Computer Aided Engineering	MECHANICAL ENGINEERING	12/07/2019
Design Build Test Using CATIA Portfolio	MECHANICAL ENGINEERING	26/07/2019
Industry Expectations from Freshers	MECHANICAL ENGINEERING	09/08/2019
One day workshop on construction practices	CIVIL ENGINEERING	30/08/2019
One day workshop cum Hands on Training in Python Programming Mr.Asaithambi, Managing Director Aaron Technology, Salem	COMPUTER SCIENCE AND ENGINEERING	11/10/2019
Five days Training on Advanced C Programming Mr.Asaithambi, Aaron Technologies, Salem	COMPUTER SCIENCE AND ENGINEERING	16/12/2019
Two days Training on Hardware and Networking Programming, Mr.Gowrisankar, Access Point , Salem	COMPUTER SCIENCE AND ENGINEERING	19/12/2019

Entrepreneurial Talk on Importance of Intellectual Property rights By Dr.P.Arulraj,Salem	COMPUTER SCIENCE AND ENGINEERING	08/01/2020
Emerging Technologies Demand in IT and Research by Dr.Murali baskaran, Dean Academics, REC,Chennai	COMPUTER SCIENCE AND ENGINEERING	20/01/2020
Research Opportunities in Data Science by Dr.R.Kumar, Prof./IT, REC,Chennai	COMPUTER SCIENCE AND ENGINEERING	17/02/2020
Entrepreneurial Talk on Become a software Developer by Dr.P.Arulraj, Salem	COMPUTER SCIENCE AND ENGINEERING	20/02/2020
Workshop on LED luminaires Fabrication and Testing	ELECTRICAL AND ELECTRONICS ENGINEERING	20/02/2020
One day workshop on Advanced surveying	CIVIL ENGINEERING	22/02/2020
One day workshop on Advance sewage treatment	CIVIL ENGINEERING	20/03/2020
Non Destructive Testing	MECHANICAL ENGINEERING	23/05/2020
Five day Workshop on Ideation to Patenting-A Walkthrough	COMPUTER SCIENCE AND ENGINEERING	08/07/2020

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

Title of the innovation	Name of Awardee	Awarding Agency	Date of award	Category
Project Presentation	Mr.Ajay	Sri Krishna Engineering College	27/02/2020	Project Presentation
Project Presentation	Mr.Sabarish Kanna	Sri Krishna Engineering College	27/02/2020	Project Presentation
Symposium-Refaratu	Mr.S.Tamilselvan	Alagappa Chettiyar Government college of Engineering and Technology	27/02/2020	National Symposium
Symposium-Refaratu	Mr.M.I.Mohammed ashif	Alagappa Chettiyar Government college of Engineering and Technology	27/02/2020	National Symposium
Symposium-Refaratu	Mr.M.Dhakshan amoorthi	Alagappa Chettiyar	27/02/2020	National Symposium

		Government college of Engineering and Technology		
Symposium-Refaratu	Mr.G.Sathish	Alagappa Chettiyar Government college of Engineering and Technology	27/02/2020	National Symposium
Symposium-Buggicide	Mr.S.Loganathan	Alagappa Chettiyar Government college of Engineering and Technology	27/02/2020	National Symposium
Symposium-Google IT	Mr.V.C.Ragulraj	Alagappa Chettiyar Government college of Engineering and Technology	27/02/2020	National Symposium
Independent Women Director	Mrs.Archana Manojkumar	Salem Smart city Limited	18/04/2020	Technical Knowledge Sharing
Quarantine Centre	Dhirajlal Gandhi College of Technology	Taluk Office, Kadayampatti	09/07/2020	Preventive measure of for COVID-19

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
EDTIC	Yuvraj M, Janarthanan G	Dhirajlal Gandhi College of Technology	Solar Energy Solutions Private Limited	Solar Energy Solutions	07/09/2019
EDTIC	Balaji P	Dhirajlal Gandhi College of Technology	GI Electronics	Electronic Products	20/02/2020

[View File](#)

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
0	1300	0

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

Name of the Department	Number of PhD's Awarded
ELECTRONICS AND COMMUNICATION	1

ENGINEERING

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CIVIL ENGINEERING	6	7.52
International	COMPUTER SCIENCE AND ENGINEERING	2	1.13
International	ELECTRONICS AND COMMUNICATION ENGINEERING	1	0.56
International	ELECTRICAL AND ELECTRONICS ENGINEERING	1	4.98
International	MECHANICAL ENGINEERING	5	4.98

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

Department	Number of Publication
MECHANICAL ENGINEERING	8
ELECTRICAL AND ELECTRONICS ENGINEERING	7
ELECTRONICS AND COMMUNICATION ENGINEERING	9
COMPUTER SCIENCE AND ENGINEERING	24
CIVIL ENGINEERING	4

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

Title of the Paper	Name of Author	Title of journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citation
Correction to "Carbon Nanotubes/ Carboxymethyl Chitosan/Mineralized Hydroxyapatite Composite Coating on Ti-6Al-4V Alloy for Improved Mechanical and	Dr.D.Raj eswari	Industrial Engineering Chemistry Research	2019	1	Dhirajlal Gandhi College of Technology	1

Biological Properties						
A hybrid swarm intelligence based optimization approach for solving minimum exposure problem in wireless sensor networks	Mr.S.S.A ravinth	Concurrence and Computation: Practice and Experience	2019	1	Dhirajlal Gandhi College of Technology	1
Study of Corrosion Behavior of Carbon Fiber Reinforced Plastics (CFRPs)	Mr.M.Chandru	Materials Science Forum	2019	4	Dhirajlal Gandhi College of Technology	4
Multi-modal biometric authentication system based on face and signature using legion feature estimation technique	Mrs.J.Va jayanthimala	Multimedia Tools and Applications	2019	1	Dhirajlal Gandhi College of Technology	1
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3.3.6 – h-Index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the Paper	Name of Author	Title of journal	Year of publication	h-index	Number of citations excluding self citation	Institutional affiliation as mentioned in the publication
Correction to "Carbon Nanotubes/ Carboxymethyl Chitosan/Mineralized Hydroxyapatite Composite Coating on	Dr.D.Rajeswari	Industrial Engineering Chemistry Research	2019	9	1	Dhirajlal Gandhi College of Technology

Ti-6Al-4V Alloy for Improved Mechanical and Biological Properties						
A hybrid swarm intelligence based optimization approach for solving minimum exposure problem in wireless sensor networks	Mr.S.S.A ravinth	Concurrence and Computation: Practice and Experience	2019	3	1	Dhirajlal Gandhi College of Technology
Study of Corrosion Behavior of Carbon Fiber Reinforced Plastics (CFRPs)	Mr.M.Chandru	Materials Science Forum	2019	2	4	Dhirajlal Gandhi College of Technology
Multi-modal biometric authentication system based on face and signature using legion feature estimation technique	Mrs.J.Va jayanthimala	Multimedia Tools and Applications	2019	1	1	Dhirajlal Gandhi College of Technology
View File						

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	0	128	0	0
Presented papers	26	31	0	0
Resource persons	0	0	0	0
View File				

3.4 – Extension Activities

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

Title of the activities	Organising unit/agency/ collaborating agency	Number of teachers participated in such activities	Number of students participated in such activities
International Yoga Day	Dhirajlal Gandhi College of Technology	18	50
Webinar Hackathon Awareness	Dhirajlal Gandhi College of Technology	12	50
Motivational Program for 2 Students	Dhirajlal Gandhi College of Technolo gy/Govt.hr.Sec. School-Kollapatti	5	50
IMPART-2020	Dhirajlal Gandhi College of Technolo gy/Govt.hr.Sec. School-Manakadu	7	46
Female Safety - Oath Taking	Dhirajlal Gandhi College of Technology	32	16
Disaster Management Awarness Program	Dhirajlal Gandhi College of Technology/Disaster Management Department Salem District	14	300
Blood Donation Camp	Dhirajlal Gandhi College of Technology /Government Mohan Kumaramangalam Medical College Hospital, Salem	4	34
Biometric Orientation program for School Headmasters	Dhirajlal Gandhi College of Technology / District Institute of Education and Training	76	25
Aditi - Cyber Safety	Dhirajlal Gandhi College of Technology	16	75
New Syllabus Orientation program of 2 School Teachers	Dhirajlal Gandhi College of Technology / District Institute of Education and Training	46	20

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

Name of the activity	Award/Recognition	Awarding Bodies	Number of students Benefited
Participation	Appreciation for fostering the ecosystem bridging Government, academia and Industry	AICTE TEXAS Instruments	50
Swatch Bharath Contribution	Swatch Bharath Award	Government of Tamil Nadu	150
CORONA Quarantine centre Recognised by TN Govt	CORONA Quarantine centre Recognised by TN Govt	Government of Tamil Nadu	0
Manufacturing of Critical ventilator Parts	Recognition from DRDO	DRDO Aerospace Engineers Pvt Ltd	20
Adminstration	Independent Women Director	Salem Smart City Limited	100
State Disaster Response Force	Recognition from M A	Mukesh and Associates	50
View File			

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

Name of the scheme	Organising unit/Agency/collaborating agency	Name of the activity	Number of teachers participated in such activities	Number of students participated in such activities
Finearts	Dhirajlal Gandhi College of Technology	International Yoga Day	18	50
Industry Institute Partnership	Dhirajlal Gandhi College of Technology	Webinar Hackathon Awareness	12	50
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology/Govt.hr.Sec. School-Kollapatti	Motivational Program for 2 Students	5	50
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology/Govt.hr.Sec. School-Manakadu	IMPART-2020	7	46
Aditi- Women Development	Dhirajlal Gandhi College of Technology	Female Safety - Oath Taking	32	16
Youth Red Cross	Dhirajlal Gandhi College of Technology/D	Disaster Management Awareness	14	300

	Disaster Management Department Salem District	Program		
Youth Red Cross	Dhirajlal Gandhi College of Technology /Government Mohan Kumaramangalam Medical College Hospital, Salem	Blood Donation Camp	4	34
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology / District Institute of Education and Training	Biometric Orientation program for School Headmasters	76	25
Aditi- Women Development	Dhirajlal Gandhi College of Technology	Aditi - Cyber Safety	16	75
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology / District Institute of Education and Training	New Syllabus Orientation program of 2 School Teachers	46	20
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3.5 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
FACULTY EXCHANGE	PRASAD B	DILOGY SOLUTIONS LLP	2
FACULTY EXCHANGE	PRABHAKAR R	DILOGY SOLUTIONS LLP	2
FACULTY EXCHANGE	VETRISSELVAN R	DILOGY SOLUTIONS LLP	2
FACULTY EXCHANGE	PALANI C	RASI INDUSTRIES	1
FACULTY EXCHANGE	SIVASANKARAN M	RASI INDUSTRIES	1
FACULTY EXCHANGE	INBASEKARAN A	RASI INDUSTRIES	1
FACULTY EXCHANGE	PANNEERSELVAM N	RASI INDUSTRIES	1
FACULTY EXCHANGE	VINOTH V	RASI INDUSTRIES	1
FACULTY EXCHANGE	MOHANARUBAN B	RASI INDUSTRIES	1
FACULTY EXCHANGE	PALANI C	SREE VISALAM INDUSTRIES	2
View File			

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	VINOTHKUMAR R
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	GOKULAKANNAN R
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	KIRAN KUMAR S
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	KISHORE KUMAR R
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	BHARATHIRAJA L
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	MURUGAVEL G
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	ABI ANANDH S
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	AISHWARYA S
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	BALARAMAN V
INTERNSHIP	INTERNSHIP	Alpha Associates, Coimbatore, Tamil Nadu.	02/03/2019	10/04/2019	BENJAMIN DISON S

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
Dilogy Solutions LLP	20/06/2019	Training internship programs	50
NETWORK LABS (India) PRIVATE LIMITED	06/07/2019	To provide workshops and online courses for the students	108
RiseSharp's solution	09/07/2019	To provide workshops and online courses for the students	108
BEEzus Solution Private Limited, Chennai	23/07/2019	To provide workshops and online courses for the students	108
Wonjin auto parts India Pvt.ltd	23/07/2019	Industry delegates interaction,, Internship	30
Flow link System PvtLtd.Coimbatore	23/07/2019	Industry delegates interaction,, Internship	30
Techforge	23/07/2019	Training internship programs	50
Mukesh Associates, Salem	06/08/2019	Training internship programs	35
M K Architect	08/08/2019	Training internship programs	30
DMW CNC Centre	20/08/2019	CNC Programming Pro-E software training, Faculty Visit to the company, Awareness on CNC tools and service requirements, Industry delegates interaction	50

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CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
25	0

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Others	Existing

Classrooms with Wi-Fi OR LAN	Existing
Number of important equipments purchased (Greater than 1-0 lakh) during the current year	Newly Added
Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Video Centre	Existing
Seminar halls with ICT facilities	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Newly Added
Laboratories	Newly Added
Class rooms	Existing
Campus Area	Existing
View File	

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Autolib	Fully	6.0	2011

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	17500	5518433	2477	629597	19977	6148030
Reference Books	905	226250	78	19500	983	245750
e-Books	Nill	Nill	1456	13570	1456	13570
Journals	521	1388580	54	152030	575	1540610
e-Journals	Nill	Nill	54	13570	54	13570
Digital Database	1	Nill	Nill	Nill	1	Nill
CD & Video	1125	Nill	200	Nill	1325	Nill
Library Automation	1	52000	Nill	Nill	1	52000
Weeding (hard & soft)	209	75229	21	13771	230	89000
View File						

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

								GBPS)	
Existing	695	12	60	1	1	80	615	60	0
Added	0	0	0	0	0	0	0	0	0
Total	695	12	60	1	1	80	615	60	0

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

60 MBPS/ GBPS

4.3.3 – Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility
Video centre	http://dgct.ac.in/naac/e-content/recording-centre.php

4.4 – Maintenance of Campus Infrastructure

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

Assigned Budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities
50	41.44	220	216.06

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

Policy for infrastructure management: DGCT is committed to provide the best infrastructure to all its departments and other functional areas to ensure that the infrastructure meets and exceeds the requirement of teaching-learning and other processes as specified by the statutory bodies both in terms of quantity and quality. Management of DGCT has been formulated a policy for infrastructure planning through the need analysis considering the guidelines of statutory bodies and development in technology including educational technology procurement of infrastructure ensuring its quality and cost industry standard equipments, up gradation from time to time proper accounting and safeguarding by putting inventory numbers on each equipment and maintaining asset registers, upkeep of the equipment through regular cleaning, preventive and corrective maintenance, including Annual maintenance contracts insurance against damage and theft and writing off of obsolete equipment. Insurance: Items of infrastructure of all departments of the college costing above a specified amount are insured against damage and theft. Computer: IT facilities are maintained by a team of computer skilled personnel of the college and they also take the responsibilities of periodic up-gradations of the IT resources Laboratory: In all teaching departments, the Lab in-charge is responsible to maintain and update the laboratory with necessary equipment from time to time to cope with change in the syllabus. Every department maintains a stock register for the available equipment. Periodic reporting on requirements of repairs and maintenance are submitted to the Principal through HODs of the concerned departments. In case of any breakdown/repair, the Lab In charge contact the vendor from whom the equipment is purchased and get the equipment checked for the fault and records are maintained in the service register. Library: The Library members periodically verify the requirement of books and journals with the specific departments. Dead - stock checking is done on every year for the updation of the library with new stocks. Calls for quotations and

issue of purchase order for books, journals and other library facilities are done in every semester. Transport: The buses are plying covering all the routes for the use of staff and students. Sports: The physical education department is facilitated by the physical director to educate and motivate the students toward the various sports events. Arranging interdepartmental and intercollegiate sports activity and organizing annual students' events are carried out by the director and the record is being maintained. Maintenance: The maintenance of the facilities is carried out by the respective departments with the help of Housekeepers on a daily basis or periodically. A supervisor is appointed to monitor and maintain the physical facilities and cleanliness inside the college. The cleanliness of classrooms and laboratories are ensured. The maintenance of equipment for water pumping plants, sewage, etc. is undertaken as per the preventive maintenance schedule guidelines. To maintain Internet connectivity and CCTV security system, network and system administration team is appointed. Fire Fighting equipment in various blocks, hostels, offices, etc. are maintained regularly. Sewage Water Plant is placed for Purifying and recycling the waste water.

<http://www.dgct.ac.in/facilities.php>

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Management Meritorious Scholarship	1105	19500000
Financial Support from Other Sources			
a) National	First Graduate(FG), SC/ST FEE CONCESSION SANCTIONED ADI DRAVIDAR WELFARE DEPARTMENT COMMUNITY SCHOLARSHIP - SC,ST SCA, COMMUNITY SCHOLARSHIP - BC, MBC, NATIONAL SCHOLARSHIP, MERIT CUM MEANS SCHOLARSHIP FOR PROFESIONAL AND TECHNICAL COURSE	1882	36016975
b) International	Nil	Nil	Nil
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Bridge Course	24/05/2019	274	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY, SALEM

LANGUAGE COMMUNICATION SKILLS-TRAINING ON COMMUNICATION SKILLS FOR MECH III YEAR	10/06/2019	137	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
LANGUAGE AND COMMUNICATION SKILLS-TRAINING ON COMMUNICATION SKILLS FOR CSE III YEAR	12/06/2019	107	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
LANGUAGE AND COMMUNICATION SKILLS-TRAINING ON COMMUNICATION SKILLS FOR EEE III YEAR	14/06/2019	89	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
SOFT SKILLS - COLLEGE TO CORPORATE - TIME MANAGEMENT CIVIL THIRD YEAR	15/06/2019	74	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
LANGUAGE AND COMMUNICATION SKILLS-TRAINING ON COMMUNICATION SKILLS FOR ECE III YEAR	17/06/2019	105	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
SOFT SKILLS - COLLEGE TO CORPORATE -TEAM BUILDING - CSE THIRD YEAR	17/06/2019	107	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
ICT/COMPUTING SKILLS-PROGRAMMING IN C	17/06/2019	53	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
LANGUAGE AND COMMUNICATION SKILLS-TRAINING ON COMMUNICATION SKILLS FOR CIVIL III YEAR	19/06/2019	74	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
SOFT SKILLS - COLLEGE TO CORPORATE -LEADERSHIP QUALITIES - ECE THIRD YEAR	19/06/2019	105	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY , SALEM
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5.1.3 – Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the	Number of	Number of	Number of	Number of
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	scheme	benefited students for competitive examination	benefited students by career counseling activities	students who have passed in the comp. exam	students placed
2019	GATE FORUM-GATE CLASSES, AWARENESS PROGRAM ON CIVIL SERVICES, IELTS, TNPSC, GATE	220	0	4	0
2019	PRE-PLACEMENT TRAINING, MOCK INTERVIEWS, TECHNICAL SKILL TRAINING	0	496	0	440
2019	ALUMNI TALK SERIES	0	345	0	0
2019	CAREER GUIDANCE PROGRAM FROM TURNING POINT	0	461	0	0
2019	PERSONALITY DEVELOPMENT-PLACEMENT DEPARTMENT	0	60	0	0
2019	INDUSTRIAL BASED TRAINING	0	55	0	0
2019	CAREER GUIDANCE PROGRAMME	0	80	0	0
2019	INDUSTRY INCUBATION MODELS	0	34	0	0
View File					

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
19	19	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Name of organizations visited	Number of students participated	Number of students placed	Name of organizations visited	Number of students participated	Number of students placed
Please refer the attachment	1972	416	Please refer the attachment	104	24
View File					

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

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of programme admitted to
2019	1	BE	MECHANICAL ENGINEERING	NORTH EASTERN UNIVERSITY, USA	M.S.
2019	1	BE	CIVIL ENGINEERING	DELFT UNIVERSITY OF TECHNOLOGY, NETHERLANDS	MBA
2019	1	BE	CIVIL ENGINEERING	ANNA UNIVERSITY, TIRUNELVELI	Master of Engineering
2019	1	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	PERIYAR UNIVERSITY, SALEM	M.TECH
2019	1	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE	MBA
2019	1	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering
2019	1	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering
2019	1	BE	ELECTRICAL AND ELECTRONICS ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, BARGUR, KRISHNAGIRI.	Master of Engineering
2019	1	BE	CIVIL ENGINEERING	SONA COLLEGE OF TECHNOLOGY, SALEM	Master of Engineering
2019	1	BE		SONA	Master of

ELECTRONICS
AND COMMUNIC
ATION
ENGINEERING

COLLEGE OF
TECHNOLOGY,
SALEM

Engineering

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

Items	Number of students selected/ qualifying
Any Other	4

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

Activity	Level	Number of Participants
YOGA DAY	INSTITUTION LEVEL	40
INAUGURATION OF FLAME, SCYPEE, EMPEZER, BRAVE RACE ASSOCIATION	INSTITUTION LEVEL	260
ENGINEER'S DAY	INSTITUTION LEVEL	127
ADITI - CYBER SAFETY PROGRAM	INSTITUTION LEVEL	22
RYLA	INSTITUTION LEVEL	5
TAMIL MANDRAM	INSTITUTION LEVEL	30
NAKSHATRA	INSTITUTION LEVEL	131
SYMPOSIUM	INSTITUTION LEVEL	150
SCIENCE DAY	INSTITUTION LEVEL	125
WOMENS DAY	INSTITUTION LEVEL	50

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5.3 – Student Participation and Activities

5.3.1 – Number of awards/medals for outstanding performance in sports/cultural activities at national/international level (award for a team event should be counted as one)

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	GOLD	National	1	Nil	61051840 2005	MOTHEESH WAR
2019	SILVER	National	1	Nil	61051841 3019	SHANMUGA PRIYA K
2019	RUNNER	National	1	Nil	61051710 5702	BOOBALAN V
2019	RUNNER	National	1	Nil	61051710 5702	BOOBALAN V
2019	FIRST	National	1	Nil	61051711 4062	PRITHIV RAJ
2019	WINNER	National	1	Nil	61051710 4014	DAMODHARAN

2019	SECOND	National	1	Nil	61051840 2002	DHAMODHA RAKANNAN S
2019	PARTICIP ATION	National	1	Nil	61051840 2002	DHAMODHA RAKANNAN S
2019	RUNNER	National	1	Nil	61051610 5047	RAHUL B
2019	WINNER	National	1	Nil	61051610 5052	SANJAY P

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

Dhirajlal Gandhi College of Technology offers students the opportunity to participate in various types of Academic, Co-curricular, Extra-curricular and various cells activities. Department Association Activities: Every Department has an association with the Student Council. The main role played by student council is in departmental activities such as organizing symposiums, seminars, conferences, and workshops. Every year the department symposia are completely planned and conducted by students under the supervision of faculty. The students of various engineering colleges gather to collaborate, present, discuss, learn and explore development and applications in cutting edge technologies in all the fields of engineering and management. Class Committee: The student representatives are regularly invited to the Class committee meetings three times a year. The views and suggestions of students' are considered for any corrective measures to be taken in academic activities, teaching methodology etc. Class committee members are Course handling faculty, student representatives and HOD as chairperson. Sports and Cultural Activities: Students are actively involved as Cultural and Sports Coordinators etc., The College offers numerous Student Forums/Clubs to provide opportunity to students to participate in wide range of Co-Curricular, Extra-Curricular, Social and Community Development Activities. The students are encouraged to pursue their hobbies by conducting numerous programmes in the college. Projects and Trainings: The students are exposed to current technologies through industry experts training throughout the year. Several stake holders visit the campus and provide expert advice and also interact with students. The students also participate in seminars conducted in other Institutions. The Students are encouraged to carry out mini major project work in house and in collaborations with industry and academia. Few Student Representatives from various branches are invited to Academic Council Meetings. Institutional Social Responsibility and Women Empowerment Activities: The students are part of service and extension activities through NSS, NCC, Rotaract, Aditi-Women Empowerment Cell etc. The student representatives are also part of IQAC, Anti ragging committee, Students Grievance Redressal Committee. Best Student Awards: DGCT recognizes and awards the best outgoing student and best placement student of the year in final year UG Engineering students every year. Interactive Feedback by HOD, Principal Dean-Academics Feedback on the regular progress of the courses is obtained by the HOD, Principal and Dean once in a semester during the interactive session with a group, normally of an equal ratio of boys and girls, ranging from slow-learners to advanced-learners, inclusive of day-scholars and hostellers.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

No Data Entered/Not Applicable !!!

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

No Data Entered/Not Applicable !!!

5.4.4 – Meetings/activities organized by Alumni Association :

1

CRITERION VI – GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 – Institutional Vision and Leadership

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

The Dhirajlal Gandhi College of Technology follows the policy of decentralization and Participative management in every aspect of institution functioning. The faculty members are given a freedom to express their views and suggest their opinions in regard to any matter during the department meetings / all faculty meetings. The senior faculty members are nominated as members of various committees such as Department Advisory Board (DAB), IQAC, Course Committee, Library Committee, Discipline Committee, Anti-Ragging Committee and various department level and college level committees thus contribute their best. The College makes sure that every faculty is involved in at least 2 or 3 committees of the College and representation from the student community is also ensured. The faculty members actively take part in various college functions like College Day, Teachers Day, Sports Day etc. as part of organizing committee and are encouraged to give ideas pertaining to the growth and betterment of the college.

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

Yes

6.2 – Strategy Development and Deployment

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

Strategy Type	Details
Admission of Students	Dhirajlal Gandhi College of Technology is a self-financing Engineering College established in 2011 and Approved by AICTE, Affiliated to Anna University, Chennai. ? The College ensures publicity through prospectus, Institutional website and advertisements in leading national and regional daily English and Tamil newspapers. ? Admission notification is hosted on Anna University website during TNEA Admission previous year cut off details, percentage of seats filled for each Courses are displayed on the college notice board. ? The notification contains detailed information about programmes offered by the college, eligibility criteria and process of admission as well as academic support facilities. ?

Admission details are hosted through institutional website (www.dgct.ac.in) about the UG and PG courses ? Publicity through TV Channels and educational fairs. The college also organized "Engineering Counseling Guidance Program for 2 students" about TNEA counseling on career growth, latest technologies, and options for higher studies etc., related to each program This enables the students to choose the suitable course based on their interest.

Industry Interaction / Collaboration

The Main aim of the education system is to provide the students to meet the industrial needs. In this process, college adapts the following actions ? To establish the quality of MoU's / Collaborations with different industries to improve the job opportunities of the graduates ? Inviting Strong technical Experts from leading Industry for conducting Guest Lecture and special Motivational Talk ? To promote industrial projects ? To encouraging industrial Research Consultancy ? Mutual Sharing of knowledge between industrial academia. ? Industrial Tour, Industrial Visits and Internships

Human Resource Management

Providing staff orientation programmes for newly joined faculty members. Encouraging the faculty members to appear GATE exam and avail financial grants from the managements. Faculty members are sponsored to participate in Faculty Development /Orientation Programmes. Faculty and Researchers are encouraged to participate in national and international conferences. Timely recruitment of teaching and nonteaching staff by the management in approved / leave vacancies to ensure smooth functioning of the institution. The performance of the faculty is assessed yearly through selfappraisal reports and appropriate recommendations are made by the Head of the Department.

Library, ICT and Physical Infrastructure / Instrumentation

Faculty to obtain Research grants for conducting Research and publishing peer reviewed, Impact Factored Journals. HODs RD to sensitize and promote research activities among the faculty and the students in the respective areas of Engineering. Subscribing to journals with high impact factor,

giving incentives to the faculty publishing papers in UGC approved journals, integrating research publications in the presentations in the classroom teaching are few of the initiatives taken in sensitizing to the research activities. Every faculty member is eligible to claim an amount of 50 every year towards the charges for publishing of papers, registration fee for attending conferences or workshops. The faculty members who have completed PhD degree are appreciated and encouraged by providing financial incentives. Faculty members pursuing PhD are encouraged by allowing them to take long leave depending on the need.

Research and Development

Faculty to obtain Research grants for conducting Research and publishing peer reviewed, Impact Factored Journals. HODs RD to sensitize and promote research activities among the faculty and the students in the respective areas of Engineering. Subscribing to journals with high impact factor, giving incentives to the faculty publishing papers in UGC approved journals, integrating research publications in the presentations in the classroom teaching are few of the initiatives taken in sensitizing to the research activities. Every faculty member is eligible to claim an amount of 50 every year towards the charges for publishing of papers, registration fee for attending conferences or workshops. The faculty members who have completed PhD degree are appreciated and encouraged by providing financial incentives. Faculty members pursuing PhD are encouraged by allowing them to take long leave depending on the need.

Examination and Evaluation

The Examination scheme follows a process of continuous evaluation comprising Internal Assessments, Assignments, Seminars and Semester End Exams. • Quality of examination is maintained by forming panel members of External examiners from reputed institutes and the standard of the question paper is maintained following blooms taxonomy. • The performance of a student in each semester is evaluated course -wise with a maximum of 100 marks for Theory (20 marks for internal examination and 80 marks for external examination) and 100 marks for

	<p>Practical (20 marks for internal evaluation and 80 marks for external evaluation).</p>
<p>Teaching and Learning</p>	<p>The college caters to students from different backgrounds enriching the geographical, socio-economic and cultural diversity within the institution. Equal Opportunity Cell of the college strives to provide an appropriate learning environment for students with special needs. To encourage bright students are given cash incentives and remedial/Maths bridge classes are conducted for weak students to improve pass percentage. Students are familiarized with the program outcomes, mode of internal assessment as well as college facilities during the Orientation Program of the college. Teachers plan strategies to reduce the gap in knowledge and skills. To bridge the gap between the curriculum and industry requirements, department conducts workshops, paper presentations, guest lectures, technical seminars, Poster presentations, Project expo, Skill tests and many more events are conducted.</p>
<p>Curriculum Development</p>	<p>Curricular aspects of courses at Dhirajlal Gandhi College of technology are governed by Anna University, Chennai. Multilevel systems have been evolved in the college for planning and implementation of the curriculum in a transparent and effective manner. The courses, pedagogy and infrastructure have been regularly upgraded to remain responsive to changing needs. The curriculum has been regularly upgraded and elective papers have always been retained to maintain flexibility and responsiveness to changing environments. The curriculum has always incorporated cross-cutting issues of human values, gender, environment and sustainability in the core courses and stand-alone papers have also been created around these issues in the various UG and PG programmes. The college has a history of strong community outreach component which has enabled these issues to be richly transacted in various curricular and co-curricular activities. The college conducts a range of Value Added courses and organizes short-term add-on</p>

programs for self-development and professional skill enhancement of students. Students are encouraged to take up internships in various organizations involved in development related activities, schools, industries, hospitals etc. Curriculum was structured to have clear focus on Core Courses, Laboratory Courses, Professional Electives, Open Electives, Audit Courses and Mini, Major Project Work. Seminar has been introduced to augment the research development process and enhance communication skills.

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

E-governance area	Details
Administration	<p>It has two modules 1. User Module 2. Admin Module. User Module: In this module, there are three Section</p> <p>1. Dashboard: In this section, user can see the status of his application.</p> <p>2. Admission Form: In this section, user can fill the form and check his / her application form is selected or rejected(which is done by admin).</p> <p>3. Upload Docs: In this section, user can upload own document if his/ her selected by admin(rejected user cannot upload their document) A user can also update his/ her profile. Admin Module:</p> <p>In this module, there are eight sections</p> <p>1. Dashboard: In this section, admin can see all the detail in brief.</p> <p>2. Reg Users: In this section, admin can view user detail and update user detail.</p> <p>3. Admission Application: In this section, admin can view all application. Admin can view application and documents on the basis of status (pending application, approved an application and reject application). Admin also can approve pending application.</p> <p>4. Search Application: In this section, admin can search application on the basis of user name, email id, and contact number.</p> <p>5. Course: In this section, admin can manage courses (add and update).</p> <p>6. Notice: In this section, admin can manage notice (add and update) and anybody see this notice on the website.</p> <p>7. Notification: In this section, admin gets the notification if any user applies for admission.</p>
Finance and Accounts	1) Ledger creation You can easily

create ledger accounts for all the suppliers and vendors of the school or college. 2) Posting Accounting entries
 You can create following accounting transactions in this software: Accounts Vouchers: Receipt Payment Debit/credit note Detail payment/ Receipt Bank Reconciliation 3) Reports Following are the reports that are generated automatically by accounting module:
 Ledger: Trial Balance Income/ expenditure statement Books of accounts: Ledger (multiple accounts) Cash/bank book Sale register Purchase register Bank Reconciliation Statement Outstanding collection Analysis: Receivable amount Payable amount Collection Sheet Outstanding aging analysis Cash receipt report

Student Admission and Support

With this admissions management and support software both students and parents can easily apply for college and university admission process. Entire flow of Admission is taken care in this application right from beginning of filling up form to selection for admission and managing their details like MQ/GQ, scholarships, education loan and other relevant documents for Admission to payment of Fees for Admission. The following are the modules deals with student admission process, ? Easy Registration Process. ? Previous Record Data ? Academic Yearly Management ? Accepted/Rejected Forms ? Student Photos ? Documents Uploading ? Customized Reports ? Admission Approval

Examination

Examination system manages examination work and conduct that has to be executed before the start of the examination process. With the use of examination management system, examination management related arrangements like time-table, hall tickets, allotments and attendance sheets can be organized efficiently. Examination module manages post-exam work routine also, this is inclusive of mark entries, reports and valuations.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial	Name of the professional body for which membership	Amount of support
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		support provided	fee is provided	
2019	Mr.S.S.ARAVINDH	Advanced Deep learning algorithm	Nill	100
2019	Mrs.S.RAMYA	Digital Agriculture	Nill	500
2019	Ms.K.M.KARTHIKA	Digital Agriculture	Nill	500
2019	Mrs.R.VITHYA	Workshop on Recent Trends on RF and Microwave Engg	Nill	1250
2019	Mr.S.MARAGATH ARAJ	Workshop on Journal writing, IPR and Patent Drafting	Nill	1750
2019	Mr.B.PRASAD	AICTE Margdarshan Scheme	Nill	2750
2019	Dr.S.VENKATESH	AICTE Margdarshan Scheme	Nill	2750
2019	Mr.A.MOHAMED YASAR	Workshop on Total Quality Management	Nill	2250
2019	Mr.R.PRABHAKAR	Workshop on Total Quality Management	Nill	2250
2019	Mr.B.PRASAD	Workshop on Total Quality Management	Nill	2250
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6.3.2 – Number of professional development / administrative training programmes organized by the College for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	Nill	Orientat ion Program on Fire Fighting Precaution Measures	21/06/2019	21/06/2019	Nill	23
2019	Workshop on CAD	Nill	05/07/2019	06/07/2019	17	Nill

	using CATIA					
2019	Workshop on Construction Contracting	Nil	08/08/2019	08/08/2019	6	Nil
2019	Nil	English Speaking Program	13/09/2019	13/09/2019	Nil	28
2019	Nil	Supporting Staff Orientation Programme	30/09/2019	30/09/2019	Nil	4
2019	Nil	MIS Skill Training Programme	11/10/2019	11/10/2019	Nil	5
2019	Workshop on R Programming Tools	Nil	25/11/2019	26/11/2019	15	Nil
2019	Leaders Eat Last	Nil	01/11/2019	01/11/2019	10	Nil
2019	Workshop on Recent Trends in IoT	Nil	25/11/2019	26/11/2019	18	Nil
2019	Nil	Network Maintenance	06/12/2019	06/12/2019	Nil	5
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6.3.3 – No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended	From Date	To date	Duration
ICT tools for Teaching Learning Process and Institutes	1	13/01/2020	17/01/2020	5
QIP. Short Term Course on IoT Enabled Analog System Design	1	13/01/2020	17/01/2020	5
NPTEL - Optical Sensor	1	01/01/2020	30/04/2020	120
FDP-	2	02/12/2019	06/12/2019	5

Transmission Lines and RF Systems				
Illustration and info graphics software tools for Sci Journal writing	3	18/11/2019	23/11/2019	6
Analysis and Limit State Design of Structural Steel Works	1	13/11/2019	26/11/2019	13
NPTEL - Fluid Mechanics	1	01/08/2019	31/10/2019	90
NPTEL - Fundamental on Semiconductor Devices	1	01/07/2019	31/10/2019	120
NPTEL - Joy of Computing Using Python	1	01/07/2019	31/10/2019	120
AICTE FDP on Physics of Materials (NPTEL)	1	01/07/2019	31/10/2019	120
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6.3.4 – Faculty and Staff recruitment (no. for permanent recruitment):

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
34	34	3	3

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Financial support for attending Workshop. Seminar.Conference etc. PF	PF Insurance	Insurance

6.4 – Financial Management and Resource Mobilization

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

The financial resources of the college are managed in a very effective and fool proof manner. There is a fully-computerized accounts department in the college. College authorities approve college level budget at the end of each financial year for the upcoming year. Each department, Controller of Examinations, Training and Placement, Sports, library, etc., prepare the annual budget for each financial year, for both recurring and non recurring expenditure and submitted to the principal for getting the management approval. After the approval from the management, each department spends the allotted fund as per the requirement by following the stipulated norms. The effective and efficient

use of financial resource is monitored by internal and external financial audits. The institution has adequate Mechanism for auditing by both Internal and external auditors The following Expenditure details are verified by the team ? Fees ? Salary ? Scholarship ? Repair Maintenance ? Hostel All receipt and payments duty in Tally preparation of monthly explore and receipt statement, bank reconciliation, maintaining of all bills/ vouchers of Dhirajlal Gandhi college of Technology. Receipt of fee payment in the form of Demand Drafts by students, preparation of remittance of Demand Drafts and cash into bank account, periodical updating of receipt of fees. After the audit, the report is sent to the Management for review.

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

Name of the non government funding agencies /individuals	Funds/ Grnats received in Rs.	Purpose
Philanthropies	16000000	Student Scholarship and Infrastructure Development
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6.4.3 – Total corpus fund generated

No Data Entered/Not Applicable !!!

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	No	Nil	Yes	Dr.S.Venkatesh
Administrative	Yes	Mr.R.Ranganathan	Yes	Dr.D.Rajeswari, Dr.P.Selvakumar

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

- The PTA also aims at enhancing the interaction among the various stakeholders.
- Providing important implication for development of the institution
- Pointing out the weaknesses of the college related Departments and suggesting rectification.
- Communicating views which the students feel shy to communicate directly to the teachers about the College and the department.

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

- Program on English Speaking skills conducted on 13-09-2019
- Orientation program on Fire Fighting and Precaution measures conducted on 21-06-2019
- Orientation Program conducted on 30-09-2019
- MIS skill training program conducted on 11-10-2019
- Workshop on Network Maintenance conducted on 06-12-2019

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

- 9 Patents were filed, 12 Research Projects received and completed from Government Non-Government agencies.
- Received AICTE - MODROBS funding ECE: Modernization of Advanced Communication Lab - Rs. 16,94,000 (Sanctioned) Mech: Modernization of Product Design and Development Lab - Rs. 14,50,000(Sanctioned)
- Active mentee of AICTE MARGADARSHAN Scheme under SRI SAIRAM Engineering College, Chennai
- 26 Active MOU's with various industries
- IQAC organized 11

various programs for both teaching and non-teaching members to improve the competence level. • 440 Students Placed in the year 2019-2020

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b) Participation in NIRF	No
c) ISO certification	No
d) NBA or any other quality audit	No

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants
2019	Orientation Program on Fire Fighting Precaution Measures	21/06/2019	21/06/2019	21/06/2019	23
2019	Workshop on CAD using CATIA	05/07/2019	05/07/2019	06/07/2019	17
2019	Workshop on Construction Contracting	08/08/2019	08/08/2019	08/08/2019	6
2019	English Speaking Program	13/09/2019	13/09/2019	13/09/2019	28
2019	Supporting Staff Orientation Programme	30/09/2019	30/09/2019	30/09/2019	4
2019	MIS Skill Training Programme	11/10/2019	11/10/2019	11/10/2019	5
2019	Leaders Eat Last	01/11/2019	01/11/2019	01/11/2019	10
2019	Workshop on R Programming Tools	25/11/2019	25/11/2019	26/11/2019	15
2019	Workshop on Recent Trends in IoT	25/11/2019	25/11/2019	26/11/2019	18
2019	Network Maintenance	06/12/2019	06/12/2019	06/12/2019	5

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CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 – Institutional Values and Social Responsibilities

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

Title of the programme	Period from	Period To	Number of Participants	
			Female	Male
Cyber Security Program	02/07/2019	02/07/2019	400	0
FLAME(MECH)	12/09/2019	12/09/2019	0	10
SCYPEE(EEE)	13/09/2019	13/09/2019	5	13
BRAVE(Civil)	13/09/2019	13/09/2019	6	7
RACE(CSE)	13/09/2019	13/09/2019	6	6
EMPAZER(ECE)	24/09/2019	24/09/2019	7	7
Nakshatra	11/01/2020	11/01/2020	71	157

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

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

20.62 Power requirement met by renewable energy sources - 25KW Total power requirement - 87.27 KW Renewable energy source - 25 KW Renewable energy generated and used - 18 KW Energy supplied to the grid - NIL

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	1
Provision for lift	Yes	1
Ramp/Rails	Yes	1
Braille Software/facilities	No	0
Rest Rooms	Yes	1
Scribes for examination	No	0
Special skill development for differently abled students	No	0

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	21/06/2019	1	International Yoga Day	Yoga day	68

2019	1	1	22/08/2019	1	Aditi - Cyber Safety	Womans security	91
2019	1	1	03/09/2019	1	New Syllabus Orientation program of 2 School Teachers	Syllabus for 2 students	20
2019	1	1	25/09/2019	1	Biometric Orientation program for School He admasters	Importa nce of Bi ometrics	101
2019	1	1	02/10/2019	1	Blood Donation Camp	Blood Donation	38
2019	1	1	26/10/2019	1	Disaster Management Awareness Program	Awareness Program	78
2019	1	1	03/12/2019	1	State Level Project S howcasing Program (SCOPE)	Project Exhibitio n	158
2019	1	1	06/12/2019	1	Female Safety - Oath Taking	Safety	48
2019	1	1	22/12/2019	1	Guest Lecture on Setting Your Education Goals	Career Guidance	166
2020	1	1	16/01/2020	1	IMPART-2020	Career Counselling	53

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7.1.5 – Human Values and Professional Ethics Code of conduct (handbooks) for various stakeholders

Title	Date of publication	Follow up(max 100 words)
Fresher's Guide - B.E.	01/08/2019	Fresher's Guide was

Program (Code of Conduct
- Rules Regulations)

provided to the students in order to know the Vision and Mission of our Institution. Fresher's Guide composed of the detailed flowcharts towards the Academic Schedule, Curriculum and Scheme of internal assessment existed in the Institution. Introduction to the Management, Principal, and Heads of various departments, Faculties and the responsibilities of the Faculty Members are also entitled. Apart from curriculum, Various Clubs and Cells activities are mentioned with the respective in charges which creates the students to participate enthusiastically. This guide helps to know the role of an Engineer, a set of Rules and Regulations also dress code to be followed by the students with in the campus. More information's like Career guidance, Learning pyramid, Bloom's Taxonomy etc... are also explained in this guide, which is very much helpful to the student's community

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
International Yoga Day	21/06/2019	21/06/2019	68
Aditi - Cyber Safety	22/08/2019	22/08/2019	91
Biometric Orientation program for School Headmasters	25/09/2019	25/09/2019	101
Disaster Management Awareness Program	26/10/2019	26/10/2019	78
State Level Project Showcasing Program (SCOPE)	03/12/2019	03/12/2019	158

Female Safety - Oath Taking	06/12/2019	06/12/2019	48
Mind with Values	20/02/2020	20/02/2020	58
Rotary Club of salem smart city sponcered program on FETTACK	19/04/2020	19/04/2020	37
Niralar Koodam	13/05/2020	13/05/2020	62
Seminar on Living with Corona	20/05/2020	20/05/2020	65
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7.1.7 – Initiatives taken by the institution to make the campus eco-friendly (at least five)

- Plastics are banned inside the campus
- Recycled water used for lawns/ plants / trees (40K litres per day)
- All street lights are replaced by LED lights
- 20 percentage of the total electric power demand is generated through Solar Energy
- In-house solar tree is designed and developed for charging laptops. (160 watts)

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practices 1: Career Development Plan

The Objective: The Objective of this practice is to help students prepare for Placements throughout the 4 years, through a well planned Career Development Plan. The main purpose is to spread the training over 8 semesters and train them gradually with simple modules, depending on the capabilities of the student. This helps every student to get internships and secure excellent placements.

The Practice: The Career Development Plan comprises of eight Training Modules offered during the semesters integrated with the academic schedule. The Plan is designed by the Placement Cell in association with the Heads of Department, Industry Experienced Faculty members, Industry Experts and Alumni. The modules evolve every year based on the industry requirements. The Career Development Modules train students for communication skills, problem solving skills, computer programming skills and technical expertise through projects. On completion of these modules the students are equipped with relevant certifications, good resumes and capabilities to face interview and secure their dream jobs. Each student is enrolled under this plan from the first semester and is briefed about the all the eight modules. The students are assessed before and after every training module. This helps the students to move on to next modules or rejoin the same module for better performance. Each department has a structured team of placement mentors and trainers. The first semester module is an activity based training that focuses on Personality Development, SWOT analysis and time management skills. The Second Semester Module focuses on problem solving skills and English communication skills. The third Semester Module helps students in developing strong Engineering Fundamental Concepts. The fourth Semester Module is an Advanced Level of problem solving and communication skills. The fifth module focuses on Hands-on-Skills on various technologies related to the branch of study. This is done through one day workshops and seminars from industry experts and alumni. The sixth module helps the students to choose three areas of expertise and secure standardized certifications suggested by industry. The Seventh module prepares the students for interview skills, group discussions, technical writing and presentation skills through a series of mock interviews during the module. The Eight Modules helps the student to undertake industry defined/sponsored projects which gives them experience to work under guidance of professionals and also secure jobs.

Company Specific Training is the unique feature of this concluding module.

Evidence of Success: The success of the Career Development Plan is clearly evident from the record placements done by the Placement Department. Every year more than 90 eligible students are placed with best companies with good packages. Since the training is designed based on relevant skill set, the students get excellent placement in their core areas. For example, the Mechanical Department students get good training in CNC machine based product development and get easily placed. Many companies have signed MOUs and have established training centre on college campus to train students in technologies required.

Problems encountered and Resources Required: The problems encountered in implementing the Career Development Plan are the time constraints in training them while balancing the other academic activities, developing content for different modules based on changing Industry requirements. For achieving high-quality success of this plan the college requires resources like laboratory for advanced and emerging technologies. As technology changes rapidly, the Plan has to modulate and create facilities and resource person to train students in the most recent technologies.

Best Practices 2: Promotion of Indigenous Product Development and Manufacturing Systems DGCT has established special laboratories centers for the development of student with industry specific capabilities. One such centre is the CNC Product Development Centre established by the department of Mechanical Engineering.

The Objective: The Product Development and Manufacturing Centre comprises of Design and Simulation tools, CMM, and CNC machines Vertical Milling Centre and CNC Turning Centre which together form a complete product development system. The objective of practice is to train students to develop and produce any product using the state of art facility. Through this initiative they learn the entire process of reverse engineering, design, development, production and Quality Assurance methods as per the Industrial Standards. This results in equipping the student with real time knowledge and experience of manufacturing process.

The Practice: Since its inception this centre has been receiving job orders and consultancy assignments and has been recognized by the industry for zero rejection rates. This process has been extended to training and preparing the students for the manufacturing sector. The student enrolled for the training learns the fundamentals of reverse engineering as they scan the given product for its dimensions using the CMM and further model it using the tools such as depth, height and thickness. Further they are trained to redesign the product for any modifications and develop the model before the actual production. Subsequently they get complete training of Simulation Tools to develop the product and are trained in programming of the CNC machines. They are given complete hands on experience of working on the CNC machines, operating procedures, safety protocols and manufacturing line process to produce the given product. They also understand and follow the Testing procedure as per industry standards of Quality Assurance. Every semester approximately batch of 50 students get trained as a part of the training program organized by the centre.

Evidence of Success: As a Product Development Centre this Lab facility has successfully manufactured more than 70 types of components, particularly all for aerospace industries. Experienced Faculty with right skill set and work force, use of high quality tools and practicing quality control measures have resulted in excellent quality of production. As a result the centre has orders throughout the year for past 5 years generating 30 lakhs of revenue for the department. The Training division of this centre has trained more than 500 students of the mechanical department over the past 5 years. The significant outcome of this training has resulted in students being placed in reputed industry like Ford, Daimler, Renolds Chains, Ashok Leyland and Precision Camshafts etc. The industry has excellent feedback of the performance of these students.

Problems encountered and Resources Required: The production division has very recently started receiving orders that constitute of many critical components requiring Advanced Metrological Instruments. These instruments and tools for CNC machines

require large financial investments. Budget constrained are encountered and are managed through sponsorships and donations. The training division has to create a special schedule for training beyond college hours without disturbing the academic schedule. The students have to follow the training module regularly without any absenteeism to learn and get the experience of the entire development and production cycle. Lab Equipments Available 1. Computer Coordinate Measuring Machine (CMM) 2. Computer Desktop with 3D Modeling Software(SolidWorks16) 3. CNC Simulation Software(EdgeCAM) 4. CNC Turning Centre 5. CNC Vertical Milling Center

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

<http://www.dgct.ac.in/naac/best-practices/>

7.3 – Institutional Distinctiveness

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

We would like to portray the performance of the Industry-Institute Partnership of the institution which has made a significant impact and emerged as a major thrust area in accomplishing the mission and vision of the institute. The IIPC was established in the year 2013 at DGCT, with an objective to bridge the gap between industry expectations and academics by direct involvement of industry to attain a symbiosis. All the Stakeholders, namely: Institutions, Industry, Students and Society stand to gain as it can be a win-win partnership. This cell identifies the industrial expectation and promotes institutional preparation to meet the needs by facilitating sponsored RD projects, seminars, workshops and various other industrial training programmes. Since its inception, the IIPC has successfully signed MOUs with 110 companies. These involve MOUs with companies like TESSOLVE, Buddihealth, Flow Link, Livewire, Mukesh Associates, Precision Camshafts, Learn flow etc. In a short span these MOUs have proved extremely significant in the growth and development of DGCT. The IIPC has been instrumental in identifying Industry Experts who are invited as members on DAB. As a DAB member the department receives guidance on Value Added Programs in emerging areas to meet the industry needs. The IIPC has facilitated many Tech Talks from Industry experts, Competitions, workshops, Seminar and invitation to conferences through the collaboration. The partnering industries have suggested various problem statements and also offer Internships and In plant Training. Some of the best outcome have been the faculty visits and training organized through TESSOLVE, Bangalore. The persistent interactions lead to the formation of the TESSOLVE Training Centre at DGCT. Another important milestone was the MOU with Precision Camshafts, Solapur (company engaged in the manufacturing of components for automobiles) which helped establish the state-of-art CAD Design and Product Development centre at DGCT. Most noteworthy achievement is the that of establishing special labs in emerging technology like the Robotics e-Yantra Lab in association with IIT Mumbai, Advanced Surveying Lab in as suggested by Mukesh Associates, National Instruments Lab etc, which makes the departments excel in training and placing students. In addition to this, they also provide suggestions on books and journals to be added to Library and various IT Facility developments. By developing close links between Industry and Institute through interaction programs, IIPC introduces the role of Best Industry Practices which enhance the quality of our institution and its members. An important example is that of the Energy Conservation process and industry standards like 5S in Mechanical Labs. The IIPC also helps the departments obtain memberships to various Professional Bodies like ISTE, IETE, CSI, AMCAT etc for the benefit of student and faculty development. Students actively participate in competitions and other programs organized by the professional bodies. With such successful participation and

involvement of student, faculty and industry members the IIPC continues to have a remarkable impact on growth of the institution. The most noteworthy accomplishment of all these initiative was the recognition and AWARD received from AICTE-CII Survey 2017 as the Best Industry - Institute Linked

Provide the weblink of the institution

<http://www.dgct.ac.in/naac/institution-distinctiveness/>

8.Future Plans of Actions for Next Academic Year

The major areas focused in future plan of our Dhirajlal Gandhi College of Technology are as follows:

- Academics ? Introduce Induction Programme/Bridge course for first year students to make the students feel comfortable in their new environment. ? To organize interdisciplinary seminars, workshops, conferences. ? Conducting more VAPs and extra courses pertaining to the industrial requirements.
- Development programmes and collaborations ? To increase the number of collaborations with industries and other universities. ? Each department should organize more Conference / workshops / FDP programmes. ? More number of students should be encouraged to undergo implant training / internship / industrial projects.
- Research and innovations ? To explore possibilities for active industry participation. ? To increase the number of patent applications. ? To increase publication of research papers in reputed journals with good impact factor. ? Increase the number of research proposals to funding agencies will be increased.
- Institutional social responsibility ? To organize more community service activities to contribute to the wellness of the society.
- Administrative ? Ensuring interactive feedback, analysis monitoring. ? Offer specific and targeted training to teachers, staffs and students. ? Academic audit (Internal/External) for continuous of academic up gradation. ? To improve e-based system for different administrative processes like, admission, result publication, etc.
- Placement and Training ? The technical requirements and industrial expectations are to be highly focused and the training plan shall be derived. ? More number of students should be placed with average salary of 4 lakhs per annum ? Some more students should be motivated / trained to become an entrepreneur.