Yearly Status Report - 2016-2017

Part A	
Data of the Institution	
1. Name of the Institution	**DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY**
Name of the head of the Institution	**Dr. V. Murali Bhaskaran B.E., M.E., M.S., Ph.D., FIE.,**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**04290233333**
Mobile no.	**9442273721**
Registered Email	**principal@dgct.ac.in**
Alternate Email	**office@dgct.ac.in**
Address	**Opposite 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	private
Name of the IQAC co-ordinator/Director	Dr. S. Venkatesh M.E.,Ph.D, MIE,
Phone no/Alternate Phone no.	04290233333
Mobile no.	9444822188
Registered Email	venkatesh.ece@dgct.ac.in
Alternate Email	office@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://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	02-Feb-2015

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
Demystifying Electronic System Level Design and	16-Jun-2016 3	14

Engineering		
Workshop on Engineering Education for multifaceted Engineers	28-Jul-2016 3	3
English Speaking Program	19-Aug-2016 1	28
Workshop on Emission Control in Automobiles	07-Sep-2016 1	20
Network Maintenance	22-Sep-2016 1	6
Campus Lecture	05-Jan-2017 2	28
Women Empowerment	07-Feb-2017 1	15
Workshop on	08-Feb-2017 2	27
Workshop on	11-Feb-2017 1	25
Orientation Program on Fire Fighting & Precaution Measures	10-Apr-2017 1	45
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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
Nil	Nil	Nil	2017 0	0
View File				

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)

Academic and Administrative audit has been conducted

41 Value Added Programs conducted in the Academic Year 2016-2017

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

View File

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
Value Added Program(VAP)	• Conducted 41 Add-on programs. • Students more than 2191 have enrolled in Add on and got Certification.
Industry Interaction/Collaboration	• To improve the job opportunities of the graduates 27 MOU's / Collaborations with different industries has been signed.
Competency development for teaching and non-teaching faculty	• 10 Professional development programs were organized for teaching and non-teaching faculty.
Placement & Training	• 305 Students got placed in various campus drives
Research and Development	• Faculty with PhD's are more than 17 • Received 3 projects from Non-Government Agencies • Government Agencies provided 6.44 Lakhs for projects • Non-Government Agencies provided 16 Lakhs for projects
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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:	No
17. Does the Institution have Management	Yes

Information System ?	
If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**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: 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 daytoday 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. For the Teachers: In our institution, the progress of educators is equally 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 drilleddown, 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 Information System 10.TimeTable Management System 11.Social Responsible Programs 12.Sports Achievements 13.Office management

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/entreprene urship	Skill Development
Creo	Nil	18/11/2016	15	Employabil ity	3D Modelling , Assembly, Drafting, Animation
Diploma in NX	Nil	14/11/2016	310	Automotive Industries Design and analysis	3D Modelling, Drafting, Assembly and Simulation
AUTO CADD	Nil	10/06/2016	6	Employabil ity	Programming
PHP	Nil	29/08/2016	6	Employabil ity	Programming
PYTHON	Nil	29/08/2016	6	Employabil	

PROGRAMMING				ity	Programming
CISCO-CCNA NETWORKING	Nil	30/07/2016	12	Employability	Networking
Industrial Automation using PLC	Nil	16/09/2016	7	Programming of New automatic cutting and grinding tools. Maintenance and repairing of automatic cutting and grinding tools.	Knowledge about Industrial Automation
CATIA V5R20	Nil	02/05/2016	15	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling , Assembly, Drafting, Animation
CATIA V5	Nil	15/04/2016	10	Automotive Industries Manufacturing Industries Design and analysis industries	3D Modelling , Assembly, Drafting, Animation
Professional in Product Design and Analysis	Nil	04/03/2016	54	Employability	Designing
AUTOCAD	Nil	10/10/2016	90	Employability	With ability drafting tools, productivity tools,door,window architectural symbol creations,plan,elevation and section creation

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	01/06/2016
BE	COMPUTER SCIENCE ENGINEERING	01/06/2016
BE	ELECTRICAL AND ELECTRONICS ENGINEERING	01/06/2016
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	01/06/2016
BE	MECHANICAL ENGINEERING	01/06/2016
ME	CAD / CAM	01/06/2016
ME	COMMUNICATION SYSTEMS	01/06/2016
ME	COMPUTER SCIENCE ENGINEERING	01/06/2016
ME	STRUCTURAL ENGINEERING	01/06/2016

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

	Certificate	Diploma Course
Number of Students	630	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 Engineering Bridge Course	07/06/2016	437
Fundamentals of Civil Engineering	13/06/2016	138
English Communication	13/06/2016	550
AUTO CADD	10/06/2016	136
Programming in C	04/07/2016	330
Programming in JAVA	30/07/2016	335
APTITUDE	14/12/2016	564
Personality Development	07/12/2016	562
PHP	29/08/2016	51
PYTHON Programming	29/08/2016	45
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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	130

BE	COMPUTER SCIENCE ENGINEERING	119
BE	ELECTRONICS AND COMMUNICATION ENGINEERING	140
BE	MECHANICAL ENGINEERING	141
ME	STRUCTURAL ENGINEERING	8
ME	COMMUNICATION SYSTEMS	2
ME	COMPUTER SCIENCE AND ENGINEERING	6
View File		

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 stack holders 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	144	125	106
BE	Computer Science and Engineering	144	140	101
BE	Electronics and Communication Engineering	144	125	117
BE	Electrical and Electronics Engineering	144	120	105
BE	Mechanical Engineering	144	130	123
ME	Computer Science and Engineering	24	25	5
ME	Communication System	24	15	4
ME	Structural Engineering	24	30	14
ME	CAD/CAM	24	10	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
2016	2151	40	157	16	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	Numberof smart classrooms	E-resources and techniques used
173	173	6	6	1	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 maters. 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
2191	173	1:13

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
168	173	0	0	17

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
2016	Mr.P.Yuvanarasimman	Assistant Professor	Innovative Professional Award
2016	Dr.S.Venkatesh	Associate	Best Young

		Professor	Engineer Award- The Institution Of Engineers-Salem Local Centre
2017	Dr.S.Rajendran	Professor	Best Outstanding Researcher Award
2017	Mr.S.Shanmughapriyan	Assistant Professor	Best Inspirational Leadership Award
2017	Dr.S.Saravanan	Associate Professor	Best Academic Administrator Award" from Honorable Chief Minister of Puducherry Thiru.V. Narayanasamy by Top Engineers (TESFA-2017), Puducherry
2017	Dr.S.Rajendran	Professor	Innovative Technological Research Dedicated Professional Award

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2.5 – Evaluation Process and Reforms

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

Programme 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	28/11/2016	05/03/2017
BE	103	II / I	17/04/2017	12/07/2017
BE	103	III / II	03/11/2016	05/03/2017
BE	103	IV / II	17/04/2017	12/07/2017
BE	103	V / III	03/11/2016	05/03/2017
BE	103	VI / III	17/04/2017	12/07/2017
BE	103	VII / IV	03/11/2016	05/03/2017
BE	103	VIII / IV	17/04/2017	12/07/2017
BE	104	I / I	28/11/2016	05/03/2017
BE	104	II / I	17/04/2017	12/07/2017

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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**	**124**	**89**	**71.8**

104	BE	Computer Science and Engineering	107	95	88.8
106	BE	Electronics and Communication Engineering	138	104	75.4
114	BE	Mechanical Engineering	139	112	80.6
403	ME	Communication System	2	2	100
405	ME	Computer Science and Engineering	6	6	100
413	ME	Structural Engineering	8	8	100

View File

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
Industry sponsored Projects	365	Mukesh Associates	15	15
Industry sponsored Projects	365	Mukesh Associates	1	1
Major Projects	30	National Remote Sensing Centre, Hyderabad, (ISRO, DOS)	6.44	6.44

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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
hree Days Entrepreneurship Awareness Camp	EDTIC	14/07/2016
Meet with Startups	EDTIC	29/07/2016

Importance of Industrial Visit by Purple Squirrel Eduventures	EDTIC	24/02/2016
Hands on Training in NI lab view	CIVIL ENGINEERING	02/06/2016
A workshop on Application of NI lab view in Civil Engineering Domain	CIVIL ENGINEERING	03/06/2016
Hands on training on general guidelines for preparation of Civil Drawings different building approvals	CIVIL ENGINEERING	14/07/2016
Hands on training on general guidelines for preparation of Civil Drawings different building approvals	CIVIL ENGINEERING	20/07/2016
Hands on Training on Estimation and Quantity Surveying	CIVIL ENGINEERING	01/08/2016
Workshop on Advanced surveying using Total Station	CIVIL ENGINEERING	27/08/2016
Workshop on Standard Penetration test	CIVIL ENGINEERING	27/08/2016
Foundation Analysis using PLAXIS Software	CIVIL ENGINEERING	11/02/2017
Hands on training in Mat Lab software	CIVIL ENGINEERING	20/02/2017
Hands on Training on AECO SIM Software	CIVIL ENGINEERING	25/02/2017
Emerging Technologies Demand in IT and Research	COMPUTER SCIENCE AND ENGINEERING	14/03/2017
Scope of Research in Engineering Education	COMPUTER SCIENCE AND ENGINEERING	14/03/2017
Seminar on Selenium Software testing tool	COMPUTER SCIENCE AND ENGINEERING	08/08/2016
workshop on Industry Ready Engineers on Python	COMPUTER SCIENCE AND ENGINEERING	10/01/2017
Seminar How to make Industry Ready Teachers	COMPUTER SCIENCE AND ENGINEERING	10/01/2017
Guest lecture on Signal and image processing	ELECTRONICS AND COMMUNICATION ENGINEERING	02/11/2017
Guest lecture on IEEE standards	ELECTRONICS AND COMMUNICATION ENGINEERING	17/08/2016
Hands on Training in NI lab view	ELECTRONICS AND COMMUNICATION ENGINEERING	02/06/2016
Entrepreneurial Training	ELECTRONICS AND	11/02/2017

Programme	COMMUNICATION ENGINEERING	
NEN Introductory Program	EDC	03/09/2016
Product introduction Take A selfie	EDC	14/09/2016
Guest Lecture on Microprocessors and Micro Controllers	ELECTRICAL AND ELECTRONICS ENGINEERING	25/09/2016
Guest Lecture on Control Systems	ELECTRICAL AND ELECTRONICS ENGINEERING	03/09/2016
Special Talk on Recent Advances in Rehabilitation Robotics	MECHANICAL ENGINEERING	07/03/2017
Industry Connects	MECHANICAL ENGINEERING	04/07/2016
Emission Control in Automobiles	MECHANICAL ENGINEERING	07/07/2016
Non Destructive Testing	MECHANICAL ENGINEERING	15/02/2017
Current Trends in Mechanical Design in Space	MECHANICAL ENGINEERING	27/02/2017
Unconventional Machining Process and Its industrial Applications	MECHANICAL ENGINEERING	10/03/2017
Ansys CSR Skill Development Training (CFD)	MECHANICAL ENGINEERING	29/03/2017
Industrial Challenges in Engineering Structures	CIVIL ENGINEERING	25/05/2017
Workshop on Industry Ready Engineers on PHP	COMPUTER SCIENCE AND ENGINEERING	10/01/2017
Outcomes and opportunity of IEEE blended course on VLSI	ELECTRONICS AND COMMUNICATION ENGINEERING	08/02/2017
VLSI Design and Verification its opportunities	ELECTRONICS AND COMMUNICATION ENGINEERING	20/03/2017

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
Innovative professional Award	Mr.P.Yuvanarasimman	Society of Professional engineers	28/08/2016	Best Poster Awarded
Best Educational Administrator	Shri.Dhirajlal A Gandhi	Society for Educational and Entrepreneurship Development	21/07/2016	Education
Symposium	Ms.Shanthoshini	AVS Engineering College	20/08/2016	Quiz
Symposium		AVS	20/08/2016	LAN gaming

	Ms.Sriaishwarya	Engineering College		
Symposium	Ms.Sriaishwarya	AVS Engineering College	20/08/2016	Quiz
Symposium	Ms.Sriaishwarya	AVS Engineering College	20/08/2016	Paper presentation
ICTACT Young Talk	Ms.Angeline rebeka	ICTACT	20/08/2016	ICTACT Young Talk
Symposium	Mr.Ramkumar	Adhiyaman College of Engg	03/09/2016	Quiz
Symposium	Mr.Vinayak	Adhiyaman College of Engg	03/09/2016	Quiz
Symposium	Ms.Shanmugapriya E	KIOT	09/09/2016	Paper presentation

View File

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

Incubation Center	Name	Sponsered By	Name of the Start-up	Nature of Start-up	Date of Commencement
EDTIC	Mr.K.Balasundram	Dhirajlal Gandhi College of Technology	Take A Selfie	Information Technology	08/07/2016
EDTIC	Mr.V.Kavinraj, Mr.M.Dhevindiran	Dhirajlal Gandhi College of Technology	Lollipop Note Books	Information Technology	23/09/2016
EDTIC	Mr.S.Naveen Kumar	Dhirajlal Gandhi College of Technology	Spunks	Infrastructure development	16/12/2016
EDTIC	Mr.S.Mukunthan, Mr.J.Mohanraj	Dhirajlal Gandhi College of Technology	Smart Box Electronics	Electronic Components Sales	02/02/2017
EDTIC	Mr.S.Mothilalnehru	Dhirajlal Gandhi College of Technology	Elite Light’s	Fabrication of LED luminary	17/04/2017
EDTIC	Mr.Shahul Hameed S.A	Dhirajlal Gandhi College of Technology	Smart Optical	Health Science	27/05/2017

View File

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International

0	1250	1836

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

Name of the Department	Number of PhD's Awarded
COMPUTER SCIENCE AND ENGINEERING	1

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	7	1.02
International	COMPUTER SCIENCE AND ENGINEERING	2	0.44
International	ELECTRONICS AND COMMUNICATION ENGINEERING	9	1.18
International	ELECTRICAL AND ELECTRONICS ENGINEERING	2	2.73
International	MECHANICAL ENGINEERING	5	1.91

View File

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	2
ELECTRICAL AND ELECTRONICS ENGINEERING	8
ELECTRONICS AND COMMUNICATION ENGINEERING	9
COMPUTER SCIENCE AND ENGINEERING	28
CIVIL ENGINEERING	3

View File

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
Tunable differential modal gain in FM-EDFA system using dual pumping scheme at 100 Gbps system	Dr.M.Sumathi	Photonic Network Communications	2017	6	Dhirajlal Gandhi College of Technology	6

capacity						
Highly efficient compact temperature sensor using liquid infiltrated asymmetric dual elliptical core photonic crystal fiber	Dr.M.Sumathi	Optical Materials	2017	42	Dhirajlal Gandhi College of Technology	42
Hydrostatic pressure sensor using high birefringence photonic crystal fibers	Dr.M.Sumathi	IEEE Sensors Journal	2017	39	Dhirajlal Gandhi College of Technology	39
Design of Circular-Helical and Elliptical-Helical PCF with inducing of Circular Polarization	Dr.M.Sumathi	International Conference on Fibre Optics and Photonics	2017	1	Dhirajlal Gandhi College of Technology	1
SPACE real time implementation of fuzzy PID position controller for vertical rotating single link arm robot using four-quadrant BLDC drive	Dr.R.Manikandan	Acta Scientiarum. Technology	2017	1	Dhirajlal Gandhi College of Technology	1
SPACE real time	Dr.S.Rajendran	Acta Scientiarum.	2017	1	Dhirajlal	1

implementation of fuzzy PID position controller for vertical rotating single link arm robot using four-quadrant BLDC drive		Technology			Gandhi College of Technology	
ANFIS based decision support system for prenatal detection of Truncus Arteriosus congenital heart defect	Mrs.S Sridevi	Applied Soft Computing	2016	21	Dhirajlal Gandhi College of Technology	21
Fuzzy inference rule based image despeckling using adaptive maximum likelihood estimation	Mrs.S Sridevi	Journal of Intelligent Fuzzy Systems	2016	3	Dhirajlal Gandhi College of Technology	3
Markov random field segmentation based sonographic identification of prenatal ventricular septal defect	Mrs.S Sridevi	Procedia Computer Science	2016	6	Dhirajlal Gandhi College of Technology	6
Optimal Power Flow Using Firefly Algorithm with Unified Power Flow	Mr.T.Hariharan	Circuits and Systems	2016	4	Dhirajlal Gandhi College of Technology	4

Controller						

View File

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
Optimal Power Flow Using Firefly Algorithm with Unified Power Flow Controller	Mr.T.Hariharan	Circuits and Systems	2016	3	4	Dhirajlal Gandhi College of Technology
Markov random field segmentation based sonographic identification of prenatal ventricular septal defect	Mrs.S.Sridevi	Procedia Computer Science	2016	4	6	Dhirajlal Gandhi College of Technology
Fuzzy inference rule based image despeckling using adaptive maximum likelihood estimation	Mrs.S.Sridevi	Journal of Intelligent Fuzzy Systems	2016	4	3	Dhirajlal Gandhi College of Technology
ANFIS based decision support system for prenatal detection of Truncus Arteriosus congenital heart defect	Mrs.S.Sridevi	Applied Soft Computing	2016	4	21	Dhirajlal Gandhi College of Technology
SPACE real time implementation of	Dr.S.Rajendran	Acta Scientiarum. Technology	2017	1	1	Dhirajlal Gandhi College of

fuzzy PID position controller for vertical rotating single link arm robot using four-quadrant BLDC drive						Technology
SPACE real time implementation of fuzzy PID position controller for vertical rotating single link arm robot using four-quadrant BLDC drive	Dr.R.Manikandan	Acta Scientiarum. Technology	2017	5	1	Dhirajlal Gandhi College of Technology
Design of Circular-Helical and Elliptical-Helical PCF with inducing of Circular Polarization	Dr.M.Sumathi	International Conference on Fibre Optics and Photonics	2017	6	1	Dhirajlal Gandhi College of Technology
Hydrostatic pressure sensor using high birefringence photonic crystal fibers	Dr.M.Sumathi	IEEE Sensors Journal	2017	6	39	Dhirajlal Gandhi College of Technology
Highly efficient compact temperature sensor using	Dr.M.Sumathi	Optical Materials	2017	6	42	Dhirajlal Gandhi College of Technology

liquid infiltrated asymmetric dual elliptical core photonic crystal fiber						
Tunable differential modal gain in FM-EDFA system using dual pumping scheme at 100 Gbps system capacity	Dr.M.Sumathi	Photonic Network Communications	2017	3	2	Dhirajlal Gandhi College of Technology

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	4	61	0	0
Presented papers	25	7	0	0
Resource persons	0	0	7	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
Tree Sapling program	Dhirajlal Gandhi College of Technology	20	250
Science Day 17	Dhirajlal Gandhi College of Technology	58	150
Road Safety Program	Dhirajlal Gandhi College of Technology	24	500
Ramanujam Math Quest 2016	Dhirajlal Gandhi College of Technology	18	50
Pelage taken for	Dhirajlal Gandhi	36	200

100 voting	College of Technology/Omalur Police Station		
Blood Donation Camp	Dhirajlal Gandhi College of Technology/Government Mohan Kumaramangalam Medical College Hospital, Salem	16	35
ISR - Robotic Kit - GV Amala School	Dhirajlal Gandhi College of Technology/GV Amala School	24	50
Election Awareness Camp	Dhirajlal Gandhi College of Technology	49	200
Blood Donation Camp	Dhirajlal Gandhi College of Technology/Primary Health Centre in Sarakapillaiyur	46	100
“Tech Innova Robotics” exploring technology, a technology learning programme for school children	Dhirajlal Gandhi College of Technology	72	100
View File			

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
Best Industry linked Computer IT Engineering and Allied Institute	ELICO Award	AICTE -CII	300
Innovation Technologist Award	Innovation technologist Dedicated Teaching Professional Award	Innovation Scientific research Professional Malaysia	60
Academic Award	Most Proactive Partner	PALS	60
Engineer	The Best Young Engineer Award	IEI	60
Teacher	National Teaching Video Contest Award	ICTACT	120
Teacher	IUCEE Faculty Fellow award	Indo Universal Collaboration for Engineering Education (IUCEE)	200
Innovative	Innovative	Society of	45

Professional project	Professional Award	Professional Engineers(India)	
Education	Best Educational Administrator Award	SEED	60
Teaching Excellence Award	Award for Teaching Excellence	Indus foundation, Indo- Global Education Summit Expo 2017.	120

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 activites	Number of students participated in such activites
Finearts	Dhirajlal Gandhi College of Technology	Tree Sapling program	20	250
Finearts	Dhirajlal Gandhi College of Technology	Science Day 17	58	150
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology	Road Safety Program	24	500
Finearts	Dhirajlal Gandhi College of Technology	Ramanujam Math Quest 2016	18	50
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology/Omalur Police Station	Pelage taken for 100 voting	36	200
Youth Red Cross	Dhirajlal Gandhi College of Technology/Government Mohan Kumaramangalam Medical College Hospital, Salem	Blood Donation Camp	16	35
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology/GV Amala School	ISR - Robotic Kit - GV Amala School	24	50
Institutional Social Responsibility	Dhirajlal Gandhi College of Technology	Election Awareness Camp	49	200
Youth Red Cross	Dhirajlal Gandhi College of Technology/Primary Health Centre in Sarakapillaiyur	Blood Donation Camp	46	100

Institutional Social Responsibility	Dhirajlal Gandhi College of Technology	“Tech Innova Robotics” exploring technology, a technology learning programme for school children	72	100

View File

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
TECHNICAL ADVISORY COMMITTEE	Dr.M.SUMATHI	SALIEABS Electronics Engineers LLP.,Sundar nagar, Salem	700
GUEST LECTURE	COMPANY EMPLOYEES	Mikrosun Technology	1
GUEST LECTURE	COMPANY EMPLOYEES	Mikrosun Technology	1
GUEST LECTURE	COMPANY EMPLOYEES	IMPERIAL COMMUNICATION ENTERPRENEURS PVT LTD	1
GUEST LECTURE	COMPANY EMPLOYEES	Accel frontline global IT services	1
GUEST LECTURE	COMPANY EMPLOYEES	IMPERIAL COMMUNICATION ENTERPRENEURS PVT LTD	1
GUEST LECTURE	COMPANY EMPLOYEES	IMPERIAL COMMUNICATION ENTERPRENEURS PVT LTD	1
TECHNICAL ADVISORY COMMITTEE	Mr.B.PRASAD	NewtechPower Controls,Omalur Main Road,Salem	1
WORKSHOP	Mr.B.PRASAD	NewtechPower Controls,Omalur Main Road,Salem	1

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact	Duration From	Duration To	Participant

		details			
INPLANT	INTERNSHIP	SAIL REFRACTORY COMPANY LTD SALEM	21/01/2016	23/01/2016	E.PREETHI
INPLANT	INTERNSHIP	SAIL REFRACTORY COMPANY LTD SALEM	21/01/2016	23/01/2016	G.PRIYADHARSHINI
INPLANT	INPLANT	SAIL REFRACTORY COMPANY LTD SALEM	21/01/2016	23/01/2016	E.SANTHIYA
INTERNSHIP	INTERNSHIP	Smart Scholars,salem	19/02/2016	18/03/2017	NAVEEN KUMAR
INTERNSHIP	INTERNSHIP	Smart Scholars,salem	19/02/2016	18/03/2017	SOUNDARYA P R
INTERNSHIP	INTERNSHIP	Smart Scholars,salem	19/02/2016	18/03/2017	RAMKUMAR
INPLANT TRAINING	INTERNSHIP	Tamilnadu Slum Clearance Board, Salem Division, Salem	14/06/2016	17/06/2016	S.INDHUMATHI
INPLANT TRAINING	INTERNSHIP	Tamilnadu Slum Clearance Board, Salem Division, Salem	14/06/2016	17/06/2016	S.DHARINI
INPLANT TRAINING	INTERNSHIP	Tamilnadu Slum Clearance Board, Salem Division, Salem	14/06/2016	17/06/2016	P.GOKULA PREETHA
INPLANT TRAINING	INTERNSHIP	Tamilnadu Slum Clearance Board, Salem Division, Salem	14/06/2016	17/06/2016	M.SHALINI

View File

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
M K Architect	08/08/2016	Training internship programs	30

Mukesh Associates,Salem	09/08/2016	Training internship programs	35
Sri Surya Construction	12/09/2016	Training internship programs	28
EMC2 Academic Alliance,Bangalore	05/06/2016	Placement Drive and skill development of students and Sponsored Lab	150
Oracle Academy	12/06/2016	Establishment of Research Centre, Knowledge Sharing, Internships, Sponsored Lab	200
Learn flow Eduguru Pvt Ltd, Nagpur	11/01/2017	Establishment of Research Centre, Knowledge Sharing, Internships	150
NCR Corporation India Private Limited	15/03/2017	Training internship programs	25
Atalon	03/03/2017	Faculty Visit to the company,Awareness on CNC tools and service requirements,Technical interaction with the student and faculty,Lab Research Centre	45
Mangla Smart Energy Solutions Private Limited	19/05/2017	Faculty Visit to the company,Awareness on CNC tools and service requirements,Technical interaction with the student and faculty,Lab Research Centre	37
Nativelead Foundation	22/04/2017	Training internship programs	36

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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
150	145.7

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

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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	13764	4266065	1156	502456	14920	4768521
Reference Books	681	170250	76	19000	757	189250
e-Books	0	0	1456	11500	1456	11500
Journals	323	782470	87	226805	410	1009275
e-Journals	0	0	525	11500	525	11500
Digital Database	1	0	0	0	1	0
CD & Video	875	0	125	0	1000	0
Library Automation	1	52000	0	0	1	52000
Weeding (hard & soft)	131	51229	35	10200	166	61429

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

(Learning Management System (LMS) etc

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
Mr.M.Rajasekar	Speed control of DC motor	https://www.youtube.com/watch?v9rlZTSCvZekpbjreload10	13/12/2016
Dr.S.Venkatesh	Introduction to Microwave Passive Components 1	https://youtu.be/58XeDldVWtQ	03/09/2016
Dr.S.Venkatesh	Introduction to Microwave Passive Components 2	https://youtu.be/iAUJgO0-22w	03/09/2016
Dr.S.Venkatesh	Introduction to Microwave Passive Components 3	https://youtu.be/TAcQK9N5a-s	03/09/2016
Mr.G.Silambarasan	Hands on experience on how the various types of bricks bonds are done like stretcher bond English bond and Flemish bond	https://www.youtube.com/watch?v_2kyAlSbsAk	06/03/2017
Mr.G.Silambarasan	Working principle of reciprocating pump	https://www.youtube.com/watch?vuIsXXewKz1c	06/03/2017
Mr.G.Silambarasan	Testing of major losses and minor losses	https://www.youtube.com/watch?vcDEXhJDcHOs	06/03/2017

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4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidth (MBPS/ GBPS)	Others
Existing	655	12	48	1	1	45	610	48	0
Added	0	0	0	0	0	0	0	0	0
Total	655	12	48	1	1	45	610	48	0

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

48 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 Recording Centre	http://dgct.ac.in/naac/e-content/lecture-video.php

Video Recording 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 incurredon maintenance of physical facilites
60	57.56	175	154.94

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 quant and quality. This policy for Infrastructure, Management of DGCT has been formulated for planning infrastructure through 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 safe guarding by putting inventory numbers on each equipment and maintaining asset register, 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. DGCT have very good physical and support facilities like RO plant, Sewage Water Treatment plant and rain water harvesting. Creation of infrastructure: To ensure the adequacy of the infrastructure including land, buildings, equipment, computer hardware and software, the norms of the statutory bodies like All India council for Technical Education (AICTE), Affiliating University (Anna University, Chennai) with regard to resource requirements shall be adhered. Record of infrastructure: Records of all infrastructure including equipment, software, books and other items shall be maintained by all departments and sections of the institute. For this purpose a standard operating procedure (SOP) shall be prepared and circulated. This SOP shall provide definition of assets/piece of infrastructure which must be entered in the stock Register, the process of making entries in the stock Register, the coding of each item and marking of inventory numbers on pieces of infrastructure. The SOP shall also focus on depreciation, physical asset verification and its periodicity, transfer of assets from one to the other department, writing off of obsolete items and their disposal. Insurance: Items of infrastructure of all departments of the college costing above a specified amount shall be insured against damage and theft. Upkeep and maintenance: All departments shall strictly follow the laid down procedures and guidelines of the institute with regard to cleanliness, preventive and corrective maintenance of infrastructure. This shall include the following. Regular cleaning as per the checklists. Regular inspection and periodic maintenance of equipment including lubrication, wherever necessary . Annual maintenance contract and maintaining record of service / maintenance. Corrective maintenance and its records. Phasing out obsolescence and writing off Infrastructure rendered obsolete on account of change in technology, new product and process developments shall be phased out. Any one of a combination of the following shall be adopted Deploying old equipment on tasks of lower level utilization like computers from labs can be deployed on office work for word processing. Transferring assets to other institutes which can utilize the

old equipments productively. Selling the old assets through auction or other arrangements. The assets thus transferred or disposed off shall be written off from the stock register by appropriate authority.
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	334	10165820
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	1850	32359250
b)International	Nill	Nill	Nill
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
LANGUAGE COMMUNICATION SKILL-TRAINING ON COMMUNICATION SKILLS FOR CSE III YEAR	20/07/2016	108	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
LIFE SKILLS-YOGA, MEDITATION	21/06/2016	115	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
SOFT SKILLS - COLLEGE TO CORPORATE - TEAM BUILDING EEE THIRD YEAR	17/06/2016	111	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
SOFT SKILLS -	15/06/2016	139	DHIRAJLAL GANDHI

COLLEGE TO CORPORATE -LEADERSHIP QUALITIES MECH THIRD YEAR			COLLEGE OF TECHNOLOGY,SALEM
SOFT SKILLS - COLLEGE TO CORPORATE -SWOT ANALYSIS - CSE THIRD YEAR	13/06/2016	108	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
SOFT SKILLS - COLLEGE TO CORPORATE - TIME MANAGEMENT ECE THIRD YEAR	11/06/2016	109	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
ICT/COMPUTING SKILLS-AUTOCADD	10/06/2016	136	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
SOFT SKILLS - COLLEGE TO CORPORATE -TRUST BUILDING - CIVIL THIRD YEAR	09/06/2016	136	DHIRAJLAL GANDHI COLLEGE OF TECHNOLOGY,SALEM
ICT/COMPUTING SKILLS-TCS –TECHNOLOGICAL APPRECIATION PROGRAM	08/06/2016	115	MS.HEMAGOPALAN, VP,TCS
BRIDGE COURSE	07/06/2016	437	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 scheme	Number of benefited students for competitive examination	Number of benefited students by career counseling activities	Number of students who have passedin the comp. exam	Number of studentsp placed
2016	GATE FORUM-GATE CLASSES, AWARENESS PROGRAM ON CIVIL SERVICES, IELTS, TNPSC, GATE	229	0	2	0
2016	PRE-PLACEMENT TRAINING, MOCK	0	487	0	305

	INTERVIEWS, TECHNICAL SKILL TRAINING				
2016	ALUMNI TALK SERIES	0	201	0	0
2016	INDUSTRY INCUBATION MODELS	0	34	0	0
2016	CAREER GUIDANCE PROGRAMME	0	334	0	0
2016	WORLDWIDE EDUCATION	0	143	0	0
2016	AMCAT TRAINING	0	131	0	0
2016	INDUSTRIAL BASED TRAINING	0	90	0	0

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
17	17	3

5.2 – Student Progression

5.2.1 – Details of campus placement during the year

On campus			Off campus		
Nameof organizations visited	Number of students participated	Number of stduents placed	Nameof organizations visited	Number of students participated	Number of stduents placed
Please refer attachment	1016	311	Please refer attachment	505	64

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2016	1	BE	CIVIL ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering
2016	1	BE	MECHANICAL ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering

2016	1	BE	MECHANICAL ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering
2016	1	BE	MECHANICAL ENGINEERING	GOVERNMENT COLLEGE OF ENGINEERING, SALEM	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	ANNA UNIVERSITY-CEG, CHENNAI	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	NATIONAI INSTITITUE OF TECHNOLOGY, CALICUT	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	NATIONAI INSTITITUE OF TECHNOLOGY, CALICUT	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	NATIONAL INSTITUTE OF CONSTRUCTION MANAGEMENT AND RESEARCH ,HYDERABAD	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE	Master of Engineering
2016	1	BE	CIVIL ENGINEERING	GOVERNMENT COLLEGE OF TECHNOLOGY, COIMBATORE	Master of 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	2

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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
CULTURAL DAY	INSTITUTION LEVEL	128
ACHIEVERS DAY	INSTITUTION LEVEL	32
WOMENS DAY	INSTITUTION LEVEL	38
SCIENCE DAY	INSTITUTION LEVEL	133
SYMPOSIUM	INSTITUTION LEVEL	117

TAMIL MANDRAM	INSTITUTION LEVEL	28
RYLA	INSTITUTION LEVEL	5
ENGINEERS DAY	INSTITUTION LEVEL	262
INAUGURATION OF FLAME, SCYPEE, EMPEZAR ,BRAVE AND RACE ASSOCIATION	INSTITUTION LEVEL	376
YOGA DAY	INSTITUTION LEVEL	64
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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
2016	GOLD	National	1	Nill	610515104078	P K SRI AISHWARYA
2016	SECOND PLACE	National	1	Nill	610515104078	P K SRI AISHWARYA
2016	BRONZE	National	1	Nill	610515104078	P K SRI AISHWARYA
2016	BRONZE	National	1	Nill	610515104078	P K SRI AISHWARYA
2016	SECOND	National	1	Nill	610515106060	S.RASHIKA
2016	SECOND	National	1	Nill	610515106060	S.RASHIKA
2016	SECOND	National	1	Nill	610514106086	M.SUGUNA
2016	SECOND	National	1	Nill	610514106306	P.MARICHETTI
2016	THIRD	National	1	Nill	610515106060	S.RASHIKA
2016	THIRD	National	1	Nill	610514106086	M.SUGUNA
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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:

0

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

0

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 Annual Budget is prepared and followed for all recurring and Non-recurring Expenses.A budget is allotted for programs organized at the institutional level (College Day, Graduation Day, Sports Day, Faculty Development etc.). However, any programme to be organized is discussed with the Principal and submitted to the management. After approval by the management, money is sanctioned and programs are conducted. Annual Budget for each department is prepared and submitted through proper channel to the Management

for approval.Principal has been authorized to sanction any expense up to an amount of Rs.25000/. HODS, Deans and Admin Officers' have been authorized for any expense up to an amount of Rs.5,000/-.

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	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.
Industry Interaction / Collaboration	The college has MOUs with industries to provide summer Internships, Research projects and industry visits for the students and training programs for the staff. Hackathon's are conducted in the upcoming areas. Placements are also provided.
Human Resource Management	Providing staff orientation programs for newly joined faculty members. Encouraging the faculty members to appear GATE exam and avail financial grants from the managements. Encouraging and facilitating faculty for emerging technologies and certifications. Enriching the faculty for innovational practices for better career endeavor. Providing permissions to participate in university / Industrial forums by giving On-Duty like Special OD, Exam OD for attending conferences, seminar, workshops, invited lectures, research activities and university exam duties
Library, ICT and Physical Infrastructure / Instrumentation	The central library has a large volume of books, magazines, National and International Journals related to all the branches of Science and Engineering is subscribed. Handbooks, standard books, manuals, Encyclopedias, Technical Reports, Project Reports,

	periodicals, non book materials, and conference proceedings are also available to the faculties and students. A separate section for research is allotted in the library which contains collective thesis reports, exclusive journals and conference proceedings.
Research and Development	Faculty to obtain Research grants for conducting Research and publishing peer reviewed, Impact Factored Journals. 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. The faculty members who have completed PhD degree are appreciated and encouraged by providing financial incentives. The central library has a large volume of books, magazines, National and International Journals related to all the branches of Science and Engineering is subscribed. Handbooks, standard books, manuals, Encyclopedias, Technical Reports, Project Reports, periodicals, Non book materials, and conference proceedings are also available to the faculties and students. A separate section for research is allotted in the library which contains collective thesis reports, exclusive journals and conference proceedings.
Examination and Evaluation	The assessment for theory courses are carried out by three cycle tests, two intensive tests and one model examination. Four phases of marks uploaded in the university website during the predetermined period and the university computes the assessment marks for each student out of 20. The question papers are set to tests the various cognitive levels of the student (Bloom’s Taxonomy) and objective type questions are included in the pattern. A detailed scheme of evaluation is prepared prior to valuation of answer scripts for every test and the answer books are evaluated. Complete transparency is ensured while returning the answer books to the students.
Teaching and Learning	Dhirajlal Gandhi College of Technology encourages faculties to take

	part in summer trainings, FDPs, workshops, paper presentations and conferences. Students has access to NPTEL courses, IEEE Journals. To encourage bright students are given cash incentives and remedial/Math's bridge classes are conducted for weak students to improve pass percentage. Regular Counseling is done to students in a batch. 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.
Curriculum Development	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.

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

E-governace area	Details
Administration	MIS system Branches courses can be created in this module. No.of sections in each branch can be created, Academic calendar can be set, college details, Holiday, students credits, departments can be set in this module. Fee type, fee details, fee due dates can be set through this module in order to operate through the fee payment accounts modules the same. Subjects, staff working hours, student bioIDs, semester regulations, maximum marks for the internal external exams can be set through this module. Users can be created and user level permission can be set through this module.
Finance and Accounts	MIS system Students fee Payments can be done through this module. Receipt from govt. Scholarships also can be recorded in this module. Fee ledger class wise and branch wise, fee, dues list, fee concession list etc.,can be

	generated. Daily fee receipts report Cash Bank can be generated through accounts module. Transactions made through fee payment module accounts module can be edited in the accounts module transaction history.
Student Admission and Support	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	Controller of Examination (COE) Administration includes payment of Examination fees and downloading Hall tickets.

6.3 – Faculty Empowerment Strategies

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

Year	Name of Teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided	Amount of support
2016	Mr.N.PANNERSELVAM	International Conference on e-volution of Topical in Mechanical Engineering	Nill	6543
2016	Mr.B.MOHANARUBAN	WORKSHOP on Synthesis of Composite Materilas by Stir Casting and its Tribological Testing-Hands on Trainig by Department of Mechanical engineering, M.kumarasamy Collage of Engineering, Karur.	Nill	1367
2016	Mr.P.YUVANARASIMAN	Conference on Tribological behaviour of refractory and reactive metal carbides reinforced OFHC Cu composites	Nill	1435

		by ARRMA 2016		
2016	Mrs.R.POOVARASI	International Conference on Engineering and Technology	Nill	500
2016	Mrs.K.SIVASANKARI	International Conference on Engineering and Technology	Nill	500
2016	Mr.A.S.SYED FIAZ	International Conference on Innovation in science, Engineering and Technology	Nill	500
2016	Mr.R.SARAVANAN	3rd International Conference on Engineering Technology and science	Nill	500
2016	Mr.R.SARAVANAN	A new technique of harmonic elimination of switched reluctance motor by Fuzzy logic controllers based converter	Nill	4500
2016	Mr.N.AYYANAR	National Conference on Nanophotonics NCNP 2016	Nill	1100
2016	Mr.N.AYYANAR	National Conference on Recent trends in Biophotonics	Nill	3660

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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)
2016	Demystifying Electronic System	-	16/06/2016	18/06/2016	14	Nill

	Level Design and Engineering					
2016	Workshop on Engineering Education for multifaceted Engineers	-	28/07/2016	30/07/2016	3	Nill
2016	-	English Speaking Program	19/08/2016	19/08/2016	Nill	28
2016	-	Workshop on Emission Control in Automobiles	07/09/2016	07/09/2016	Nill	20
2016	-	Network Maintenance	22/09/2016	22/09/2016	Nill	6
2016	Campus Lecture	-	05/01/2017	06/01/2017	28	Nill
2016	Women Empowerment	-	07/02/2017	07/02/2017	15	Nill
2016	Workshop on “Outcomes and opportunity of IEEE blended course on VLSI”	-	08/02/2017	09/02/2017	27	Nill
2016	Workshop on “Signals and Image processing ”	-	11/02/2017	11/02/2017	25	Nill
2016	-	Orientation Program on Fire Fighting Precaution Measures	10/04/2017	10/04/2017	Nill	45
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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
Mini online course on Publishing and Reviewing papers in Engineering Education	4	07/06/2016	26/07/2016	20
Foundation Engineering	1	13/06/2016	18/06/2016	6
Control Systems	3	13/06/2016	19/06/2016	7
NPTEL - Project Planning and Control	1	01/07/2016	30/09/2016	90
NPTEL - Earth Sciences For Civil Engineering	1	01/07/2016	31/08/2016	60
Special Concretes and their Applications in Construction Industry	2	21/07/2016	27/07/2016	7
Retrofitting Rehabilitation of R.C.C Structures	1	03/10/2016	08/10/2016	6
Pulse Width Modulation Techniques for Voltage Source Inverters	2	21/10/2016	25/10/2016	5
Power System Operation and Control	1	23/11/2016	29/11/2016	7
Faculty Development Programme on “CE 6405- Soil Mechanics”	3	09/12/2016	14/12/2016	6

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
56	56	14	14

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 institution has adequate mechanism for auditing by both internal and external auditors. The institution has our own internal audit team who conduct the internal audit on a regular basis. In addition to that the institution appointed an external agency to conduct the audit to verify and certify the entire recurring and non-recurring and the Capital Expenditure of the institute each year. Qualified staff members from our finance department have appointed as internal auditors and they do a thorough check on each payment and vouchers on a yearly basis. Likewise external auditors do a thorough payment and vouchers on a yearly basis. So far there have been no major objections from any of the audit teams. Minor error pointed out by the audit team was corrected immediately. Precautionary steps are taken to avoid such mistakes in future. All the collections are deposited in the banks through authorized persons and the expenditure both recurring and non-recurring are incurred through cheques The following Expenditure details are verified by the team • Fees • Salary • Scholarship • Advertisement charges • Hostel • Transport Every bill is checked by the office clerk, accounts officer and Administrative officer. The bill payments are passed after ensuring the receipt of goods in good condition. Only duly authorized persons can operate the transactions through the bank. The institute regularly follows internal external financial audit system. 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	22700000	Student Scholarship and Infrastructure Development
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6.4.3 – Total corpus fund generated

32647167

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	Nill	Nill	Yes	Dr.S.Venkatesh
Administrative	Yes	Mr.R.Ranganathan	Yes	Dr.S.Rajendran Dr.P.Selvakumar

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

In the parent's teachers meeting the following points are suggested • Conduct training program for communication skill • Organize a program on 'How to handle Gen X students' • Educate the importance of family values

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

• English Speaking program conducted on 19-08-2016 • Workshop conducted on Network Maintenance on 22-09-2016 • Orientation Program on Fire Fighting Precaution Measures conducted on 28-09-2017 • Workshop on Emission control in Automobiles conducted on 07-09-2016

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

• More focus is given for Research Development activities • 305 Students got placed in various campus drives • 27 MOU's / Collaborations with different industries has been signed.

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	**No**
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
2016	**Demystifying Electronic System Level Design and Engineering**	**16/06/2016**	**16/06/2016**	**18/06/2016**	**14**
2016	**Workshop on Engineering Education for multifaceted Engineers**	**28/07/2016**	**28/07/2016**	**30/07/2016**	**3**
2016	**English Speaking Program**	**19/08/2016**	**19/08/2016**	**19/08/2016**	**28**
2016	**Workshop on Emission Control in Automobiles**	**07/09/2016**	**07/09/2016**	**07/09/2016**	**20**
2016	**Network Maintenance**	**22/09/2016**	**22/09/2016**	**22/09/2016**	**6**
2017	**Campus Lecture**	**05/01/2017**	**05/01/2017**	**06/01/2017**	**28**
2017	**Women Empowerment**	**07/02/2017**	**07/02/2017**	**07/02/2017**	**15**
2017	**Workshop on Outcomes**	**08/02/2017**	**08/02/2017**	**09/02/2017**	**27**

	and opportunity of IEEE blended course on VLSI				
2017	Workshop on Signals and Image processing	11/02/2017	11/02/2017	11/02/2017	25
2017	Orientation Program on Fire Fighting Precaution Measures	10/04/2017	10/04/2017	10/04/2017	45

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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
BRAVE	12/07/2016	12/07/2016	7	5
RACE	21/07/2016	21/07/2016	11	7
EMPAZER	20/07/2016	20/07/2016	3	9
FLAME	06/08/2016	06/08/2016	9	1
SCYPEE	18/07/2016	18/07/2016	6	6
Achievers day	24/03/2017	24/03/2017	44	52
Annual Day	24/03/2017	24/03/2017	76	82
DGCT Sports day	24/03/2017	24/03/2017	52	26

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 - 25 KW, Total power requirement - 87.27 KW, Renewable energy source - 25KW, 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
2016	1	1	19/07/2016	1	Blood donation camp	Health and importance of blood donation	116
2016	1	1	17/12/2016	1	Blood donation camp	Health and importance of blood donation	100
2017	10	10	26/12/2016	30	Inauguration of robotic lab	Robotic lab setup in schools	4550
2017	1	1	04/01/2017	1	Road safety and safe driving week	Importance of Road safety, rules and regulation of road safety.	50
2017	1	1	08/02/2017	1	Blood donation camp	Health and importance of blood donation	40
2017	1	1	13/02/2017	1	Sathanai Short film	Awareness to students regarding importance of life and study	468
2017	1	1	04/03/2017	1	Blood donation and Regis	Health and importance of	702

					tration Camp	blood donation	

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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. Program (Code of Conduct - Rules Regulations)	22/07/2016	Fresher’s Guide was 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
Ramanujam Math Quest 2016	01/10/2016	01/10/2016	250
Road safety and safe driving week	04/01/2017	04/01/2017	50
Career guidance program	07/01/2017	07/01/2017	950

Salem district level challenged persons sports competition	10/01/2017	10/01/2017	200
Technical training on robotics	17/01/2017	17/01/2017	100
Technical training on robotics	20/01/2017	20/01/2017	100
Barricade Sponsor	30/01/2017	30/01/2017	5
Empowering Panjayat Raj Institutions Spatitally	08/02/2017	08/02/2017	322

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

• Recycled water used for lawns/ plants / trees (20K litres per day) by Sewage Treatment Plant • Solar powered LED lights are used in the Campus streets. • 25kW solar power plant is installed for green energy • 20 percentage of the total electric power demand is generated through Solar Energy • Rain water harvesting is implemented in our campus premises of the capacity 15 MLD

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

Best Practice 1: Rain Water Harvesting Objectives: •?To meet the increasing demand of water. •?To reduce the run-off which chokes the drains? •?To avoid the flooding of roads. •?To raise the underground water table. •?To reduce groundwater pollution. •?To reduce soils erosion. •?Supplement domestic water needs Rainwater can be mainly harvested by anyone of the following methods: •?By storing in tanks or reservoirs above or below ground •?By constructing pits, dug wells, lagoons, trench or check dams on small rivulets. •?By recharging the ground water. Before adopting a rainwater harvesting system, the soil characteristics, topography, rainfall pattern and climatic conditions should be understood. Rainwater harvesting can be harvested from the following surfaces: 1. Rooftops: If buildings with impervious roofs are already in place, the catchment area is effectively available free of charge and they provide a supply at the point of consumption. A rooftop rainwater harvesting system consists the following elements: •?Collection area, •?Conveyance system, •?Filtration/treatment •?Storage •?Usage/Recharge The collection area in most cases is the roof of a house or a building. The effective roof area and the material used in constructing the roof influence the efficiency of collection and the water quality. A conveyance system usually consists of gutters or pipes that deliver rainwater falling on the rooftop to cisterns or other storage vessels. Both drainpipes and roof surfaces should be constructed of chemically inert materials such as wood, plastic, aluminum, or fiberglass, in order to avoid adverse effects on water quality. The water ultimately is stored in a storage tank or cistern, which should also be constructed of an inert material. Reinforced concrete, fiberglass, or stainless steel is suitable materials. Storage tanks may be constructed as part of the building, or may be built as a separate unit located some distance away from the building. 2. Paved and unpaved areas: i.e., landscapes, open fields, parks, storm water drains, roads and pavements and other open areas can be effectively used to harvest the runoff. The main advantage in using ground as collecting surface is that water

can be collected from a larger area. This is particularly advantageous in areas of low rainfall. 3. Water bodies: The potential of lakes, tanks and ponds to store rainwater is immense. The harvested rainwater can not only be used to meet water requirements of the city, it also recharges groundwater aquifers. 4. Storm water drains: Most of the residential colonies have proper network of storm water drains. If maintained neatly, these offer a simple and cost effective means for harvesting rainwater. The Advantages of Rainwater Harvesting: 1. One of the beauties of rainwater harvesting systems is their flexibility. A system can be as simple as a barrel placed under a rain gutter downspout for watering a garden or as complex as an engineered, multi-tank, pumped and pressurized construction to supply residential and irrigation needs. 2. Rainwater harvesting systems are integrated with the house, which makes the water easily accessible. 3. Rainwater harvesting systems are personal, which prevents arguments about who should take care of maintenance. 4. One time Installation cost, roughly some rupees 2500 to 5000 per system including slow sand filter while sustainability of the construction is larger than that of a pump or well. 5. The used materials can be kept simple, are obtainable nearly everywhere at local (low) cost price. 6. The construction is easy and cheap in maintenance. ESTIMATION OF STORM WATER RUN-OFF Total area of the college 41,197 m2 Total Roof area of the building 3,948 m2 Total Paved area of the college 5,400 m2 Total Hostel area 4,500 m2 Total Lawn area 5,000 m2 First year block area 1,673 m2 Average rainfall intensity in Salem 2.43 cm/hr Surface area other than plinth area 41,197- (3,9481,673 4,500) 31,076 m2 3.10 hectares Soil area 31,576-(5,4005,000) 20,676 m2 SURFACE AREA: (Lawn Soil surface Paved area) Qp (1/36) x K x Pc x A K (? KA) / A ` [(5,000x0.2) (20,676x0.5) (5,400x0.9)] [5,00020,6765,400] K 0.5545 Qp (1/36) x 0.5545 x 2.43 x 3.107 0.1162 m3/sec Qp 10 MLD ROOF SURFACE: K 0.9 Coefficient of run-off for roof area. Qp (1/36) x K x Pc x A (1/36) x 0.9 x 2.43 x 1.01 Qp 0.0613 m3/sec Qp 5.29 MLD CONCLUSION: As per government norms we have implemented rain water harvesting in our esteemed institution. From this harvest we get 5.29 MLD from roof and this rain water which is collected is diverted to two areas, in which 2.5 MLD is connected to bore well which will be helpful in the ground water recharging and 2.5 MLD is let into the sump directly with screening for the daily usage purpose. Also by the surface rain water harvesting we are getting 10 MLD which is collected in the collection pond and it is used for the gardening purpose and other various purpose as well as for the groundwater recharging. To conclude from this method we are pleased to say that there is no water scarcity in our Institution. Moreover we are proud to say that we act as a role model for other neighboring Institutions. BEST PRACTICE 2: 1. Title of the Practice : Industry-Institute Relation towards Skill Development 2. Objective ??To impart the Engineering skill expected from the industries ??To bridge the gap between the industry and academia ??To make the students job-ready by the end of the program ??Groom the students to become Entrepreneur 3. The Context •?There is a need to create avenues for a close academia and industry interaction through all the phases of technology development, starting from conceptualizing to commercialization. Students need to be skilled to work on innovative ideas. The industrial linkages will help the Institution and hence the students •?It should continue for longer period for preparing the work force of world class in the field of Technology by inculcating various skills required by the industry, thereby contributing to the economic and social development at large. To help design, develop and deliver training modules for students that they are made industry-ready •?To help the faculty to understand expectation of industry so that they can align their teaching to the needs of the industry •?To facilitate internships/ in-plant training/ industrial project for students to ensure that they get industry exposure during their campus days, which leads to better employability •?To groom them an Entrepreneur by inviting achievers of the industries. 4. The Practice •?The various types of interactions between academic institute and industry and at the same time the requirements of

industry from academic institution are addressed regularly. •?It is evident that collaboration of industry and institution in skill development leads to innovations. •?This practice creates healthy environment in the country by which there will be an all round development. •?Institution has an explicit division for industrial linkage, which houses placement division under the headship of a director. They play a pivoting role to link the industries with departments based on the requirement. •?The best practices of our Institute to enhance the interaction between Industries and Institute are ? Industrial visits/tours ??Industrial training/internship ??Industrial project ??Patenting ??Industrial consultancy ??Product development through collaboration ??Participation in the industrial expo ??Inviting industrialist as guest speaker/expert ??Arranging the hands-on training in the cutting edge technology ??Entrepreneur development through industrial collaboration ??Online courses for filling the industrial gaps ??Value added courses 5. Evidence of Success ??On organizing the Industry Explorer program, students are exposed to industrial expectations to focus on the real time skill set. ??Performance is improved by 30 in placement. ??Increase in participation of students in attending internship ??Industry understands the need of institution and has come forward to offer Implant Training, ? Industrial Visits/Projects with our continuous efforts. ??More industry participation industries in Industry Explorer program. ??More online courses (industrial skill) registration by students and staff. ??More number of funds received from agencies for student projects

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

360 Degree Development 360-degree development is a multiple-input approach which will improve teaching outcomes for faculty and learning outcomes for college students by maximizing and enhancing deep, meaningful learning, and promoting achievement for both communities. The main focus lies within the holistic development of every and each student, enhancing their technical skills, communication skills, also because the overall development of a student. DGCT institute integrates group learning, value added programs, guest lectures, seminars and conferences, industrial visits, and specialized learning through various cells and clubs. Entrepreneurship Development and technology incubation cell (EDTIC) EDTIC helps the students to become an Entrepreneur. This Cell Conducts Orientation programmes, Entrepreneurship Development Camps, Provides Special Lectures to students to become an Entrepreneur. To include the importance of entrepreneurship in engineering education identifying the requirements of area people, availability of resources and opportunities thereby creating employment opportunities to make sure socio-economic balances. Ideation Innovation Incubation Promotion Cell (IIIPC) This cell will act as a catalyst for student innovation and supply budding entrepreneurs with necessary support, along side mentorship from academia and industry. This may help students to bring out unique ideas which will address the present societal needs through technology-based solutions. Institute Industry Partnership cell (IIPC) This cell is to develop a stronger relationship between the Industry and Institution which establish the technology resource centre to urge benefited in mutual mode which can enable the students to show in application of technology in real-time. Various Seminars, Workshops, Industry Interactions, Quality Improvement programs has been arranged through this IIPC for the knowledge transfer and enrichment of the students and faculty. Institute Innovation

Council (IIC) Recently Institute Innovation Council has been inaugurated to systematically foster the culture of Innovation in our Institution. IIC is established to market innovation within the Institution through multitudinous modes resulting in an innovation promotion eco-system within the campus. IIC will Organize Hackathons, idea competition, mini-challenges etc. with the involvement of industries for the forthcoming years. Women Empowerment cell (ADITI) Women empowerment cell is known as as ADITI. It regularly organizes Women Safety, Security, and Awareness Programs inside and out of doors of our institution for enrichment of the ladies Society. It organizes programs like Women Save the Farmers, Women Cyber Security, Eat Healthy live well for Girl Students, etc.,. Youth Red Cross (YRC) Opportunities are given to the students , with hands on experience, to serve the society through Youth Red Cross in various areas. Student and school members of YRC organizes rallies, blood donation camps, social awareness campaign and cleanliness drive for the enrichment of the society. DGCT students contributed to flood affected villages with the relief materials collected from all students and helped them to revive back their normal life. JCI Rotaract Club More innovative projects associated with social and environmental problems of day to day life are done by our students. Various rallies like Helmet Awareness, Rights to Vote, NO to drugs, Fire Safety etc. are regularly organized with the assistance of JCI and Rotaract Club.

Provide the weblink of the institution
http://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: ? Need to prepare different strategies to minimize the gap between student’s knowledge and skill. ? Planned to conduct Teaching and Learning methodologies for faculty members. ? To organize interdisciplinary seminars, workshops and conferences. • Placement Training: ? Technical Soft skill training need to be provided to the students. ? More than 90 of the willing students should get placed within Feb 2018. • Research Development: ? Faculty members are encouraged to write article for publication in journals to present papers in National and International conference. ? Increase number of research proposals ? To increase number of patent publications • Industry Interaction / Collaborations: ? MoU’s/Collaborations with industry are planned to increase. ? To establish faculty and student exchange programmes with industries. ? Students are encouraged to undergo implant training/ internship/ industrial projects. • Competency Development Programs: ? Planned to conduct Competency development programs for teaching non-teaching faculty. ? Planned to conduct Value Added Programs for the students. • Institutional Responsibilities: ? Planned to conduct Academic and Administrative audit. ? To enhance the infrastructure development. • Institutional Accreditation Status: ? Prepare the institution for updates of NAAC Criteria.