Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**GOVERNMENT COLLEGE OF ENGINEERING, SALEM**
Name of the head of the Institution	**Dr G. VIMALA ROSALINE**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**914272346157**
Mobile no.	**9385534716**
Registered Email	**principal@gcesalem.edu.in**
Alternate Email	**gcesalem.edu@gmail.com**
Address	**NH 7, BANGALORE HIGHWAY, SALEM-11**
City/Town	**Salem**
State/UT	**Tamil Nadu**
Pincode	**636011**

2. Institutional Status

Autonomous Status (Provide date of Conformant of Autonomous Status)	**28-Nov-2018**
Type of Institution	**Co-education**
Location	**Rural**
Financial Status	**state**
Name of the IQAC co-ordinator/Director	**Dr. C. Vasanthanayaki**
Phone no/Alternate Phone no.	**914272346102**
Mobile no.	**9487564005**
Registered Email	**vasanthanayakic@gmail.com**
Alternate Email	**gcesalem.edu@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	https://gcesalem.edu.in/13/aqac-report

4. Whether Academic Calendar prepared during the year

4. Whether Academic Calendar prepared during the year	**Yes**
if yes,whether it is uploaded in the institutional website: Weblink :	https://gcesalem.edu.in/academic-schedule

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B+**	**2.58**	**2018**	**12-Oct-2018**	**01-Nov-2023**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**06-Oct-2018**

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

Awareness Programme on water conservation and rain water harvesting	22-Jul-2019 1	100
Induction programme for first year students	01-Aug-2019 24	450
Enchance faculty/ student interface with industry / outside institutions	26-Aug-2019 1	125
Awarness Programme on single use plastics	17-Oct-2019 1	100
Productivity Enchancement Programme for Teaching, Non -Teaching and Ministerial staff	18-Nov-2019 12	50
Regular Internal / external academic / finance audit (Internal)	07-Jan-2020 5	30
Workshop on warWomen Healthcare	09-Mar-2020 1	200
Enchance faculty/ student interface with industry/ outside institutions	14-Mar-2020 1	42
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8. Provide the list of Special Status conferred 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
Institution	TEQIP	World bank	2017 1095	70000000
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9. Whether composition of IQAC as per latest NAAC guidelines:	**Yes**
Upload latest notification of formation of IQAC	[View File](#)
10. Number of IQAC meetings held during the year :	**2**
The minutes of IQAC meeting and compliances to the decisions have been uploaded on the institutional website	**Yes**
Upload the minutes of meeting and action taken report	[View File](#)
11. Whether IQAC received funding from any of the funding agency to support its activities	**No**

during the year?

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

Membership in Professional Bodies: Life Institutional Membership Institution of Engineers (India) is granted to Government College of Engineering, Salem on 14.6.2019 (IM0006310, Sl.no.00152) IEEE Student chapter in GCE, Salem organized Student Workshops for EEE and ECE students. Institution Award: IAB Blind Empowerment Champions 2019 "SILVER ZONE" awarded on 9th February 2019 by Indian Association for the Blind in Madurai Zone. "Territory Institution Winner" in National Communication Skills Challenge 2019 held during the year 20192020 to GCE Salem and the same is awarded by ICT ACADEMY. Improve Student Learning : Workshops and Training Programmes were conducted for UG and PG Students to enhance the learning skills. Students are allowed to attend training programmes organized by other reputed institutions. Remedial classes were conducted for analytical subjects like Control systems, Mathematics etc for Slow learners Under TEQIP, GATE preparation classes, Career counseling, Employability Skill Training Industry readiness programs were effectively organized. Faculty and Staff development and motivation was given through STTP in other reputed institute and parent institute.

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

Plan of Action	Achivements/Outcomes
Conduct of outreach programmes	1. Awareness Programme on water conservation and rain water harvesting. 2. Awarness Programme on single use plastics Swachhata Hi Seva 2019"(plastic waste free campaingn) 3. Productivity Enhancement programme for teaching, nonteaching and ministerial staff. 4. Workshop on Womens Healthcare" for teaching, non teaching, ministerial staff and students.
Research and Development	• Increase the Ph.D produced • Increase in faculty with Ph.D Completed • increasing Publications and proposals.
Enhancement of Infrastructure	New I year Class room block with two floors, Science Block and PG Welding Technology Class rooms
Improve Student Learning	1. Enhance faculty/student interface with industry/ outside institutions "Innovation Vocher programme (IVP)"throuh IIC 2. Induction programme for first year students & programme on • Benefits of Yoga" • Who am I • Human values and ethics in 21st century • Importance of IoT • Cyber security • Psychology for students • Stay focused • Learning the concepts through nature

	• Awareness of GATE • Personality development and Life skills • Opportunities of Engineering field in Industries and Government Department. 3. Employability skill training programme for all third year students
Industry Institution Interaction	Enhance faculty/ student interface with industry/ outside institutions "Smart India Hackathon" through IIC
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14. Whether AQAR was placed before statutory body ?	**Yes**

Name of Statutory Body	Meeting Date
Board of Governance	**19-Jan-2021**

15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	**No**

16. Whether institutional data submitted to AISHE:	**Yes**

Year of Submission	**2020**

Date of Submission	**07-Feb-2020**

17. Does the Institution have Management Information System ?	**Yes**

If yes, give a brief descripiton and a list of modules currently operational (maximum 500 words)	**Management Information system is established in Government College of Engineering, Salem through Institution website. Information is effectively shared among the stakeholders of this institution Faculty, Staff, Students, Parents and Alumni. Institution Website (www.gcesalem.edu.in) is upgraded with content management framework with recent software versions with unlimited customizations. Complete security (SSL to TLS 1.2 security) is provided for the Institute, Faculty, Staff and Student information uploaded in the website. The salient features are Group level access given to each division/department in the institution for content updates regularly. Profile edits option is given to all the Faculty of this Institution for regular updates individually. New portal**

eOffice/ Fees Management with the feature to add and maintain student information, to edit student details, contacts, experience, qualification details and document copies(optional) and maintain scholarship details. Online portal Management system with Payment gateway interface for Tuition fee, Hostel fee and Exam fee payment by online with ability to view Student fees history , to update and manage fees for various semesters, ability to enable/disable fees types and ability to generate fees receipts. This system is useful to get the overall information about student wise details, to generate unpaid and paid student list, student transition rate for each year and to generate Transfer certificate and Bonafide certificates. Student information like Internships attended, training programmes attended in parent and in other reputed institution are also maintained. All student scholarships by state and national level are done by online. Registration, application submission and verification are by the Institution by online process. The Institution is effectively utilizing AICTE portal for other state student admissions by online. TEQIP III project funded by World bank is implemented in this Institution using complete MIS systems using PMS software. All faculty contributions like attending seminars, workshops, training programmes, conferences, their research and patent publications are maintained. PFMS Public Financial Management system is used for all financial transactions. Purchase process of This Institution is carried out by eportal of tamilnadu government. Procurement of Equipment, Consumables, Stationery items and maintenance of equipment are done government eportal only. All payments are made through online only. Computers and other computer related accessories are procured using GeM portal. Moreover all the departments, office, clubs in this institution are having official whatsapp group to share all academic information. Google sheets are used for all data collection and sharing. Apart from the student portal through institution website, group bulk SMS package is also used by the Institution

Part B

CRITERION I – CURRICULAR ASPECTS

1.1 – Curriculum Design and Development

1.1.1 – Programmes for which syllabus revision was carried out during the Academic year

Name of Programme	Programme Code	Programme Specialization	Date of Revision
BE	CE	Civil Engineering	18/02/2019
BE	ME	Mechanical Engineering	09/02/2019
BE	MT	Metallurgical Engineering	11/02/2019
BE	EE	Electrical and Electronics Engineering	01/02/2019
BE	EC	Electronics and Communication Engineering	05/02/2019
BE	CS	Computer Science and Engineering	22/02/2019
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1.1.2 – Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Programme Specialization	Date of Introduction	Course with Code	Date of Introduction
BE	Electronics and Communication Engineering	05/02/2019	18EC604 Mini Project 18EC801Project work	05/02/2019
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1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the Academic year

Programme/Course	Programme Specialization	Dates of Introduction
ME	Communication systems	12/09/2019
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1.2.2 – Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of programmes adopting CBCS	Programme Specialization	Date of implementation of CBCS/Elective Course System
ME	Communication Systems	06/09/2019

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
Industrial Management (MT)	21/12/2020	62
Particulate Processing Technology (MT)	21/12/2020	62
Total Quality Management (MT)	21/12/2020	62
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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	114
BE	Mechanical Engineering	21
BE	Metallurgical Engineering	62
BE	Electrical and Electronics Engineering	66
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1.4 – Feedback System

1.4.1 – Whether structured feedback received from all the stakeholders.

Students	Yes
Teachers	Yes
Employers	Yes
Alumni	Yes
Parents	Yes

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

Feedback Obtained

Students Feedback: Three types of feedback is received from UG and PG Students:- 1. Course level with the frequency of every semester about Teaching Learning, conduct of course etc. 2. Exit survey : End of the programme, feedback is collected about the academic support and other co-curricular activity support. 3. Institute level by annual for varied aspects of the institution infrastructure, office, canteen, laboratory, library, administration and academics. Teachers Feedback : yearly once the feedback is collected about the support system by the institution. Employers Feedback : For every passed out batch of students, feedback from Employers are collected Alumini Feedback : Regularly feedback is collected from Alumini about the overall aspects of academic and other facilities of the institution. Parent's Feedback :Feedback is also collected from the parents/ guardians. Suggestions and comments given by them are also taken into account for future development. Feedback Analysis :The points are calculated according to the grades (each grade is assigned with points) given. The Average and percentage of various criteria are calculated. The strength and weaknesses mentioned by the students are summarized and analyzed. The different areas where improvements are required are discussed in respective committees/departments for necessary action. Strengths of the college are also taken into consideration for further

upgradation.

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
ME	Power Electronics and Drives	18	16	16
ME	Thermal Engineering	18	15	15
ME	Computer Aided Design	18	13	12
ME	Structural Engineering	18	16	14
BE	Computer Science and Engineering	60	53	52
BE	Electronics and Communication Engineering	60	54	52
BE	Electrical & Electronics Engineering	60	56	52
BE	Metallurgical Engineering	60	54	54
BE	Mechanical Engineering	120	111	103
BE	Civil Engineering	120	111	103

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2.2 – Catering to Student Diversity

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

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of fulltime teachers available in the institution teaching only UG courses	Number of fulltime teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
2019	1869	157	90	18	108

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-	ICT Tools and resources available	Number of ICT enabled Classrooms	Numberof smart classrooms	E-resources and techniques used

	Resources)				
108	108	8	25	20	16

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

'Mentoring System' -Tutor (Faculty) Ward (Students) has been established in this Institution. For a group of 20 to 25 students, a faculty will be the mentor. First year students will have mentors from the department of Basic Engineering Science and second, third, fourth year students will have mentors from the parent department. Departmental faculties will continue to be mentors for the same group of students till their graduation. Some of the major responsibilities of the mentor are, 1. Continuously monitor, counsel, guide and motivate the students in all academic matters. 2. Contact parents/guardians if situation demands e.g. academic irregularities, negative behavioral changes and interpersonal relations, detrimental activities etc. 3. Advise students in their career development/professional guidance. 4. Track the student's progress even after their graduation. 5. Department Chief Advisor -HOD/Institute's academic committee will discuss mentoring related issues at least twice in a semester during its meetings and necessary revise/upgrade the system.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
2026	108	1:19

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
128	108	20	Nill	45

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

Year of Award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2020	Dr.D.SHOBA RAJKUMAR	Professor	INNOVATIVE RESEARCHER IN FERROCEMENT, IJRULA INTERNATIONAL AWARDS, USA

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	CE	VIII/IV	12/04/2019	23/04/2019
BE	ME	VIII/IV	12/04/2019	23/04/2019
BE	MT	VIII/IV	12/04/2019	23/04/2019
BE	EE	VIII/IV	12/04/2019	23/04/2019
BE	EC	VIII/IV	12/04/2019	23/04/2019

BE	CS	VIII/IV	12/04/2019	23/04/2019
ME	ST	IV/II	09/04/2019	23/04/2019
ME	CAD	IV/II	08/04/2019	23/04/2019
ME	TH	IV/II	08/04/2019	23/04/2019
ME	PED	IV/II	09/04/2019	23/04/2019
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2.5.2 – Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
Nill	2030	0

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)

https://gcesalem.edu.in/index.php/17/department-electronics-and-communication-engineering-po

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
CS	BE	Computer Science and Engineering	61	61	100
EC	BE	Electronics and Communication Engineering	69	69	100
EE	BE	Electrical & Electronics Engineering	67	63	94.03
MT	BE	Metallurgical Engineering	66	64	96.97
ME	BE	Mechanical Engineering	131	129	99.23
CE	BE	Civil Engineering	127	126	99.21
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2.7 – Student Satisfaction Survey

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

https://gcesalem.edu.in/sites/gcesalem.edu.in/files/Department_attachments/G

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 – Promotion of Research and Facilities

3.1.1 – The institution provides seed money to its teachers for research

Yes
Name of the teacher getting seed money
Dr.D.Shoba Rajkumar
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3.1.2 – Teachers awarded National/International fellowship for advanced studies/ research during the year

Type	Name of the teacher awarded the fellowship	Name of the award	Date of award	Awarding agency
Nill	nil	nil	Nill	nil

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3.2 – Resource Mobilization for Research

3.2.1 – 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
Minor Projects	2	University Grants Commission, New Delhi	263200	43200

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3.2.2 – Number of ongoing research projects per teacher funded by government and non-government agencies during the years

0

3.3 – Innovation Ecosystem

3.3.1 – 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
Innovation Voucher Programme	Institute level	22/08/2019

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3.3.2 – 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
Gokart event	NEXUS MOTOR SPORT	MOHITES RACING ACADAMY	09/03/2020	SPORTS

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
NIL	NIL	NIL	NIL	NIL	Nill

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3.4 – Research Publications and Awards

3.4.1 – Ph. Ds awarded during the year

Name of the Department	Number of PhD's Awarded
CSE	2
Mechanical	6
EEE	2
ECE	3
Chemistry	1

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

Type	Department	Number of Publication	Average Impact Factor (if any)
International	CSE	4	0.7
International	Mechanical	14	1.22
International	Metallurgy	7	1.31
International	EEE	16	0.8
International	PHYSICS	1	1.5
International	ECE	15	2.47
International	CHEMISTRY	3	1.2
International	CIVIL	15	2.72

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

Department	Number of Publication
CIVIL	2
ECE	6
Metallurgy	7
Mechanical	4

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3.4.4 – Patents published/awarded during the year

Patent Details	Patent status	Patent Number	Date of Award
A method to securely transact data in blockchain transactions by G.Kavithaa	Published	202041003575	07/02/2020
Deep learning	Published	202041011628	15/05/2020

classifier for processing mobile computing IOT based healthcare systems by G.Kavithaa	

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3.4.5 – 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
Adaptive motion estimation and sequential outline separation based moving object detection in video surveillance system.	Dr.A.M.Kalpana	Elsevier Journal.Microprocessors and Microsystems	2020	6	Department of Computer Science and Engineering, Government College of Engineering, Salem	6
A dynamic technique to enhance quality of service in software-defined network-based wireless sensor network (DTEQT) using machine Learning.	Dr.A.M.Kalpana	International Journal of Wavelets,Multiresolution and Information Processing	2020	0	Department of Computer Science and Engineering, Government College of Engineering, Salem	Nill
Importance of signal processing cues in transcription correction for low resource Indian languages.	Dr. R. Golda Brunet	ACM Transactions on Asian and Low-Resource Language Information Processing	2019	0	Department of Computer Science and Engineering, Government College of Engineering, Salem	Nill

| Optimal Estimation of Binding Preference of Protein in PBM Data using Clustering based Modified Jaya Optimization. | Dr.C.Rani | Journal of Bioinformatics and Computational Biology | 2019 | 0 | | Department of Computer Science and Engineering, Government College of Engineering, Salem | Nill |

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3.4.6 – 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
Experimental and optimization studies for the adsorption of cationic dyes from synthetic waste water on the biomass of orthophosphoric acid activated barks of prosopis cineraria	Dr.T.Venugopal	Iranian Journal of Chemistry and Chemical Engineering (IJCCE)	2020	34	Nill	Department of Chemistry, Government College of Engineering, Salem-11
Strength and behavior of cold-formed steel built-up battened columns: tests and numerical validation	Dr.M.Anbarasu	Journal of Structural Engineering (Madras)	2019	10	Nill	Department of Civil Engineering, Government College of Engineering Salem, Tamil nadu, India.

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

Number of Faculty	International	National	State	Local

Attended/Seminars/Workshops	Nill	5	7	7
Presented papers	1	Nill	Nill	Nill
Resource persons	17	36	27	7

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3.5 – Consultancy

3.5.1 – Revenue generated from Consultancy during the year

Name of the Consultan(s) department	Name of consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
Mechanical Engineering	CNC MILLING	SRI WIN	50000
Mechanical Engineering	SEM MACHINE	STUDENTS PROJECT	46860
Strength of materials, Civil Engineering Department	Mix Design, NDT and M-Sand etc`	State Government, Railways, Panchayat Union, Public Sectors and Private	1374000
Geo technical Laboratory, Civil Engineering Department	Safe bearing capacity, California Bearing Ratio, etc	PWD, TWAD Board, THADCO, TANGEDCO, TNEB, Slum clearance Board, Natioanl Highways, State Highways, Railways, Panchayat Union, Public Sectors and Private sectors in and around salem	6618000
Environmental Engineering Laboratory, Civil Engineering Department	Water test quality for construction purpose	State Government, Railways, Panchayat Union, Public Sectors and Private	61500
Survey Laboratory, Civil Engineering Department	DGPS survey	Private sectors	76000

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3.5.2 – Revenue generated from Corporate Training by the institution during the year

Name of the Consultan(s) department	Title of the programme	Agency seeking / training	Revenue generated (amount in rupees)	Number of trainees
0	0	0	0	0

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3.6 – Extension Activities

3.6.1 – 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
ALL INDIA VAYU SAINIK CAMP, RAJASTHAN	WING COMMANDER YUVARAJ S, CO OF 5TN AIR SQN NCC	Nill	2
VAYU SAINIK CAMP IGC	WING COMMANDER GUNASEKAREN C	Nill	2
TREKKING CAMP	TN DIRECTORATE	Nill	5
BLOOD DONATION CAMP	TAMIL NADU AIDS CONTROL SOCIETY	2	100
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3.6.2 – 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
TREKKING CAMP	CERTIFICATE FOR COMPLETION	TN DIRECTORATE	5
VAYU SAINIK CAMP IGC	SILVER MEDAL- BEST PILOT	WING COMMANDER GUNASEKAREN C	2
ALL INDIA VAYU SAINIK CAMP, RAJASTHAN	COMMANDING OFFICER COMMENDATION	WING COMMANDER YUVARAJ S, CO OF 5TN AIR SQN NCC	2
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3.6.3 – 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
SWACHHTA HI SEVA 2019	GCE SALEM	Plastic waste free campaign	2	200
UNNAT BHARAT ABHIYAN	GCE SALEM	VILLAGE HOUSE HOLD SURVEY	4	280
UNNAT BHARAT ABHIYAN	GCE SALEM	WATER MANAGEMENT	4	280
UNNAT BHARAT ABHIYAN	GCE SALEM	TREE PLANTATION	4	280
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3.7 – Collaborations

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

Nature of activity	Participant	Source of financial support	Duration
Twinning Activity - Faculty Exchange programme - Government Engineering College, Raipur	Manimala K	TEQIP III	2

Twinning Activity - Faculty Exchange programme - Government Engineering College, Raipur	Dr.C.Rani	TEQIP III	2

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
Internship	Lignite handling system	NLC, India Ltd., Neyveli	09/12/2019	23/12/2019	13
Internship	Steel processing systems	Salem steel Plant, Salem	04/12/2019	31/12/2019	8

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

Organisation	Date of MoU signed	Purpose/Activities	Number of students/teachers participated under MoUs
M/s. Sinetec Technologies	12/06/2019	Workshop Advanced Measuring Instruments	100
M/s. Frontline Electronics Private Limited,	17/10/2019	Talk on embedded system design by Mr.M.Balaji, Director ,FEPL	50
Ms. Frontline Science Foundation	17/10/2019	Invited Guest Leture by Dr.M.Chan derasekaran	50
National Highways Authority of India	04/08/2020	Contribution by sharing experience by GCE,Salem with NHAI for betterment of the highway infrastructure	Nill
CADD CENTER TERAINING SERVICES, SALEM-636004	29/07/2019	Conducting STADD Pro training course for the students	60

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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
48000000	42814096

4.1.2 – Details of augmentation in infrastructure facilities during the year

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

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
Koha Library Management Software	Partially	3.16.00.00	2014

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	32539	6130001	39	156530	32578	6286531
Reference Books	23869	6202190	30	23800	23899	6225990
[View File]()						

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

Name of the Teacher	Name of the Module	Platform on which module is developed	Date of launching e-content
NIL	NIL	NIL	Nill
[View File]()			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Co	Computer	Internet	Browsing	Computer	Office	Departme	Available	Others

	mputers	Lab		centers	Centers		nts	Bandwidth (MBPS/ GBPS)	
Existing	860	6	4	6	6	1	6	1024	0
Added	140	2	0	0	0	0	0	0	0
Total	1000	8	4	6	6	1	6	1024	0

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

1024 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
NIL	**NIL**

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
13000000	**12990981**	**35000000**	**29823115**

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)

The following statutory bodies monitor the functioning of autonomous scheme 1. Executive committee (Board of Governors) 2. Academic Council 3. Standing Committee of the Academic Council 4. Board of Studies in various discipline 5. Board of Examiners 6. Malpractices Committee (Disciplinary Committee) 7. Finance Committee 8. IQAC Other Committees like Buildings and Works Committee, Purchase Committee, Institutional Development Committee, Student Affairs Committee, Library Committee, Grievance Redressal Committee, Anti Gender Committee and Faculty and Staff Development Committee are formed for the smooth functioning of the Institution. These Committee meet regularly and carry out their work meticulously . Laboratory: Record of maintenance account is maintained by lab technicians, Lab In charge and supervised by HODs of the concerned departments. The calibration, repairing and maintenance of sophisticated lab equipment's are done by technicians of related owner enterprises. Library:- Well stocked library with many books . About 120 journals and other periodicals are subscribed. The library is kept open on all weekdays from 10:00 AM to 5:45 PM. 1. The requirement and list of books is taken from the concerned departments and HODs. The finalized list of required books is duly approved and signed by the Principal. 2. To ensure return of books, 'no dues' from the library is mandatory for students before appearing in exam. 3. Other issues such as weeding out of old titles, schedule of issue/ return of books etc. are resolved by the library committee Department Library: Every department has its own library, well stocked with reference books and text books, readily accessible to students and staffs Digital Library: To access e journals, ebooks and NPTEL video lecture with a seating capacity of one hundred. Our college library is a Institutional Member of Delnet. Through Username and password basis every student access the e learning content. Cooperative Stores: A consumer co-operative store functions in the premises of the institution. It is open to the students and staff of the college. It

supplies books, instruments, stationery and other necessary utensils to students and staffs accessible on all working days from 10:00 AM to 2:00 PM and 4:00PM to 7:00PM Health Centre: A full time Medical officer is in charge of the college dispensary taking care of medical needs of the in-mates of the campus. Its working hours are 7:30AM to 10:30AM and 3:00PM to 5:00PM. Planetarium: The celestial sky is projected on the dome and its daily apparent motion is simulated using special equipment. Thirty one high quality optical projectors are used to display the glorious night sky. At a single 55 members can be accommodated. Sports: - Regarding the maintenance of sports equipment the college sports in charge is deputed. During the session 2018-19 college participated in Cricket, Kabaddi, khokho and many other events at intercollegiate championship at state level. Separate playground for football,cricket,volleyball,shuttle , kho kho exist. Classrooms: The College has various committees for maintenance of the classrooms. Many classrooms are well equipped with LCD Projectors. The classsrooms have proper lighting and ventilation facilities. Maintenance is carried out regularly.

https://gcesalem.edu.in/

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	Backward Class, Most Backward Class and De-notified Class	1148	7602920
Financial Support from Other Sources			
a) National	Dr. G. Vimala Rosaline Endowment scholarship	3	200000
b)International	NIL	Nill	0
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5.1.2 – Number of capability enhancement and development schemes such as Soft skill development, Remedial coaching, Language lab, Bridge courses, Yoga, Meditation, Personal Counselling and Mentoring etc.,

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
International YOGA day celebration	21/06/2019	200	World Community Service Center - Vethathiri Maharishi
National science day celebration	13/03/2020	429	Science Association
One day awareness programme on Single use Plastics by ECGC	17/10/2019	100	Dr.V.Gopalakrishnan, DEE, Tamil Nadu Pollution Control board, Salem Prof. M.Suresh, AP/MECH,Sona College of Technology, Salem

Remidial classes - signal and systems	20/02/2020	16	Faculty from ECE

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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
2019	Gate training class	138	Nill	6	2
2020	Gate training class	25	Nill	1	1

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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
6	6	7

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
TCS	30	5	ACCENTURE	200	43

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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
2020	4	B.E	Civil	"1.GCE-salem 2.GCT-Coimbatore 3.Bannari Amman College of Technology"	"M.E Structural Engineering, M.E Geotechnical Engineering M.E ,Environmental Engineering"
2020	2	ME	EEE	Government College of Engineering,	Power Electronics and Drives

| 2020 | 1 | M.Tech | Metallurgy | IIT, Kharagpur | Matallurgical and Materials Engineering |
| 2020 | 4 | B.E | MECHANICAL | 1. Dhirajlal Gandhi College of Technology, Salem 2. Sri Krishna College of Engineering and Technology, Coimbatore 3. Government college of engineering, Salem 4. Periyar University PG Extension Centre, Dharmapuri | 1. ME Computer Aided Design 2. MBA 3. ME Computer Aided Design 4. MBA |

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

Items	Number of students selected/ qualifying
GATE	3

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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
CRICKET	Anna University - Zonal	23
Foot Ball	Anna University - Zonal	17
Kho- Kho	Gce- Trophy	10
CRICKET	Gce- Trophy	20

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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
Nill	NIL	Nill	Nill	Nill	NIL	NIL

No file uploaded.

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

Government College of Engineering, Salem-11 has a unique collection of student driven activities and committees. • The students are the one who involved in planning, implementation and execution of all cultural activities with the guidance of the faculty in- charge of the committee. • As a part of cocurricular and extra curricular activities, various clubs like photographic painting, dance, music, Tamil Mandram,YRC red Ribbon club are actively develop the skills of the students . • The Institute has student participation in placement activities, cultural activities, and various clubs like disciplinary committee, Students affairs committee, library committee, grievance redressal committee. • In the girls hostel and boys hostel various activities includes the students as members viz. General Secretary, mess representative, block representative committees. • At the starting of every academic year, fresh committees for Clubs and committees are formed. • Each committee has to schedule the activities with the guidance of the faculty Incharge. • The placement cell in the Institute has a Student Committee for Placement . The team is involved in placement process of the Institute. They maintain the database of companies, CVs of all students. The committee connect with industry and coordinate the placement process with Placement Coordinator. • Academic events like Seminars, Conferences, Symposium, Guest Session and Alumni meet has a systematic manner of involving students at various stages of event • In Sports and Cultural Committees, students voluntarily involve in the activities and practices regularly. They participate in all the competition and add pride to the college. • This activities extensively utilizing their managerial skills in designing the advertisements, sponsorship, inviting other institutes, preparing their own teams, celebrity guests from outside and forming various committees. • Entrepreneurship Cell is an initiative to trigger the students to become an entrepreneur. The students graduated from this institution are distributed with their degree certificates from Anna university every year through graduation day organized by the institute through eminent personalities

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

Yes

Government College of Engineering, Salem has a registered Alumni Association as a Trust. The Alumni Association contributes significantly to the development of the institution through financial and non financial means. The donations received from the alumni are deposited as corpus fund in Alumni Association of Government College of Engineering Salem Account and the interest earned from that is used for distributing scholarships to the meritorious and financially weak students. Donations are exempted under Section 80G of the Income Tax Act. Alumni have provided Alumni Centre especially for the purpose of conducting campus interviews and other important meetings. The cost involved in the construction and facilities in the Alumni Centre is about rupees one crore. The college invites senior Alumni as speakers for various programme organized by the departments. The Alumni Association actively participates and concentrates on college development. The Alumni members contribute various services to the institution like arranging visits to their industries for the students along with faculty members, providing internship for the students, providing jobs to the students through campus placements and contributing learning resources to the department library. The Alumni also mentor the students opting for higher studies. Involvements of Alumni are also by acting as member of Board of Studies.

5.4.2 – No. of registered Alumni:

536

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

705000

5.4.4 – Meetings/activities organized by Alumni Association :

• Annual Alumni Meet is conducted in the college campus on second Sunday of August month every year. This year the Alumni meet was conducted on 11th Aug. 2019 morning in the college Auditorium. • Alumni Association meeting was convened in the afternoon of 11th Aug. 2019 in the Alumni Centre mainly to elect the new Executive Committee. Other possible contributions by the Alumni members to the institution were also discussed. • Alumni members help our students by providing them job opportunities. In the month of January 2020, our Alumnus Mr.C.Sathyamoorthy, Vice-President (Technical), Aquasub Engineering, Coimbatore visited the institution for Campus Interview and recruited five students from final year B.E-Metallurgical Engineering for their Foundry division.

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 institute follows the best practices by involving all the departments in decision making at various levels for the smooth functioning of the institute by framing committees such as the academic committee, finance committee, building, and works committee, purchase committee, disciplinary committee, Institutional development committee, planning, and monitoring committee, students affairs committee, library committee, grievance redressal committee, anti-gender harassment committee, faculty and staff development committee. The Board of Governors which is the governing body delegates all the academic decisions based on the policy to the various monitoring committees headed by the Principal to fulfill the vision and mission of the institution. Faculty members of all the departments were given due representation in various committees and cells. The final year faculty advisor for the students of each department has the responsibility of department-level placement in charge. The department-level placement in charge will function under the guidance of the Institute placement officer. The concept of mentorship for a group of 15 to 20 students was framed who along with the faculty advisor for each year, help in guiding and monitoring the students performance in all aspects throughout their academic.

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	The students are admitted on merit basis, through Tamil Nadu Engineering Admission counselling. Seats are filled based on cut offs and community reservation using online counselling conducted by Directorate pf Technical Education (DOTE). College provides six

	undergraduate engineering courses and six postgraduate engineering courses. Total undergraduate intake is Four Hundred and Eighty and total postgraduate intake is Hundred and Eight. Candidates with special reservations, and vocational candidates are also admitted through counselling as per reservation norms. Intake is purely based on merit basis, students who opted the college are given seats based on their cut offs, followed by certificate verification and finally admission takes place at college.
Industry Interaction / Collaboration	All the departments of the institute have signed MoU with the industry-related with their domain. Based on the MoU various activities were carried out in terms of both online and offline lectures, internship, placement-oriented training, hands-on workshops, skill development, and project assistance. For example Department of ECE has signed MoU with M/s Sinetec Technologies, Coimbatore who offer project assistance and conduct technical workshops for the students and faculties.
Human Resource Management	To enhance, encourage and ensure the quality performance of faculty members and make them to be more research oriented, the following steps have been implemented 1. Financial assistance is given to the faculty members as per the norms to attend National /International/ seminar /conferences / Faculty Development Programmes /Hackathon. 2. The institute is one of the 33 regional centres in India to collaborate with IIT, Bombay and ISTE to offer courses and training through video conferencing mode. 3. Financial assistance is given to the faculty members to participate MOOC Courses offered by NPTEL, Udemy, Coursera,Edx etc. 4. Monetary incentives of Rs.3000 per paper and maximum of 5 paper per year/individual are given to faculty who publish papers in reputed research journals. 5. Welfare Schemes are available for the faculty member in the campus like GPF, CPS, medical insurance, Festival advance, Earned leave and Medical leave. 6. Health care and residential accommodation for the staff members of the college were provided.

Library, ICT and Physical Infrastructure / Instrumentation	Government College of Engineering, Salem is equipped with both Central Library and Digital Library.Central Library consist has vast collection of journals, magazine and books in Sciences, Engineering and Technology. Library also provides special services like book bank (SC/ST students),IEEE student branch services and other general services such as lending service, reference service, and current awareness service. It serves 9 different daily newspapers to gather all the current affairs. The Institution has a Digital Library to access e- Journals, e- books and NPTEL video lectures. For this purpose, a separate Library building has been constructed and 100 Computers with Internet facility have been provided to access the e-resources. List of e-resources purchased or subscribed are, ASCE – 34 backup files, ASME – 26 backup files, DELNET Institutional Member, WILEY e-Books – 72 Titles, Pearson Education Books - 490 Titles, IET e-Books – 408 Titles, NPTEL Video course materials. In addition, college is provided with high-speed internet facility, WiFi and campus wide networking is also available. New class room with smart board, hostel facilities are prepared.
Research and Development	1. College provides financial support for doing research and publications to faculty members. 2. The institution encourages faculty members to attend courses/conferences/workshops /seminars/training programmes and research – oriented programmes to strengthen them in the research field. 3. Grammerly@edu software for grammar, spelling, plagiarism checking is available in the institution. 4. At least one International conference is conducted every year. 5. Encourage faculty members and students to present paper in international/national/state level conferences/seminars/symposium and to act as resource persons. 6. The Institute submits research proposal to various funding agencies like AICTE,TANII,TANSCHE, DST,CSIR, UGC etc..
Examination and Evaluation	Performance in each courses of study shall be evaluated based on (i) continuous internal assessment

	throughout the semester and (ii) an end – semester examination. Evaluation questions are set based on Blooms Taxonomy. End-semester Examination will be conducted in all theory courses at the end of each semester for all the programmes. The maximum marks of each course shall be 100, out of which the continuous internal assessment will carry 40 marks, while the end semester Examination will carry 60 marks for 2018R. The practical classes for all the Practical/Laboratory component courses will be assessed continuously. The maximum marks for the Practical/Laboratory component courses shall be 100, out of which continuous internal assessment will carry 40 marks and the end semester practical examination will carry 60 marks. If any practical course contains Part A and B components, the maximum for each Part of the laboratory will be 50, out of which the continuous internal assessment will carry 20 marks, and the end semester practical examination will carry 30 marks. For the UG project work and viva – voce examination, the maximum marks shall be 200, comprising 80 marks for internal assessment and 120 marks for the end semester examination. The end semester marks of 120 shall be awarded by both the Internal and External examiners, the project report shall carry a maximum of 40 marks.
Teaching and Learning	Each department has exclusive Smart classroom and conference/seminar hall. The institute has 10 number of interactive writing pen display for e learning facility. E learning video modules were prepared for GATE examination by Department of Civil Engineering. All the recorded lectures were posted in Google class room, moodle cloud and youtube educational channel. During COVID time, exams were conducted and evaluated in online mode. In addition to classroom learning, aids like NPTEL, EDUSAT, e-journals, etc. are also available for the students to facilitate learning. Learning beyond the classroom is encouraged via various Forums and Clubs. All the faculties of the institution are encouraged to train in the modern and innovative methods of teaching and motivated to attend various programmes related on pedagogy.

	Skill development of students are done through Industry offered theory and lab courses. Flexible assessment options in Open electives also provided
Curriculum Development	The Institution got the autonomous status in the year 2008-2009. The curriculum has been periodically updated to meet the industrial needs and to encourage the entrepreneurship quality among the students. As our Institution is a recognized research centre under Anna University, curriculum is designed to develop innovative ideas and solutions to the exciting /novel problems . All programme's curriculum is framed by the regular faculty members with the guidance of the Head of the Department maintaining the composition (Basic Science, Engineering Sciences, Humanities and Social Sciences, Program Core, Program Electives, Open Electives, Projects Work and Employability Enhancement courses) given in AICTE model curriculum. Feedback collected from the students, faculty members, alumnae, employers, parents and industry experts are considered and the short -comings are identified and measures are taken to overcome the short-comings in the new curriculum. Analysis is done for attaining the PO/PSO's through the curriculum. Finally, the curriculum and syllabus are presented to the Board of Studies expert members constituted as per UGC norms, Institute Standing Committee and Academic Council for approval.

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

E-governace area	Details
Planning and Development	During COVID times, planning activities were carried by routine online video conference meeting the Commissioner of Technical Education. The Principal routinely hold appraisal meeting with each department heads. Ministerial staff meeting related with TFC, admission and counselling were also held online. To improve the participation in e mode of working, training were offered to ministerial staff.
Administration	All the purchase were carried out using e procurement system of government of tamilnadu and Government

	E Market (GEM) portal. Students' certificate verification was made online. All Payment of fee for the institute and hostel were also made online. All transaction was made through online mode. Any grievances of faculty members and students are received through e mail.
Finance and Accounts	Since it is a Government Autonomous Institution all expenses were met out from blockgrant funds. All transactions are made online. Purchase were carried out only by e-procurement through state Government e portal and GEM portal. All account related documents were maintained in e format. GPF and CPS amount were credited in to government account by online mode.
Student Admission and Support	The college provides support to students in many forms. Government scholarships are provided for needy students for various categories. In addition to that various scholarships JSW, Alumni association etc. also offer scholarship to meritorious students. PG students also offered stipend of Rs.6000 per month. Welfare Activities such as In campus doctor, state of the art hostel, library, gym etc. are given. Extra-curricular activities provide a platform that connects the students with the society, patriotism etc. Associations such as NCC, NSS, Athletic Club, Arts Association, Tamil Mandram, Youth Red Cross, Science and Literacy Association, Dance Club, Music Club, Rotaract Club, Leo Club, Association of Painters and Photographers are running in the campus effectively. Sports facilities in hostel.
Examination	The College has separate office for the examination. The question papers for the end semester examinations are received through online from the professors of subjects concerned. The examination fees are paid through online mode only with in the due date. The mark entry during the end semester valuation is updated to the cloud and final marks based on internal and external assessment are automated. Separate software is used for publishing the results of end semester examination in the college website. The students can view their results by giving their user name and pass word.

	During the pandemic situation the end semester examination for final year students were conducted through online mode, objective type questions were given to the students through the use of ICT tools and the students were proctored by the faculty. So the students were able to pay the fees, write the examination and view their results safely from their place through online mode.

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
2019	Tharani P	One day workshop on "Linux" organised by the Teaching Learning Centre (ICT) at IIT Bombay, funded by the Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching (PMMMNMTT), MHRD, Govt. of India held at Government College of Engineering,	TEQIP III	500
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6.3.2 – Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	From date	To Date	Number of participants (Teaching staff)	Number of participants (non-teaching staff)
2019	One day workshop on "Linux"	Nill	23/08/2019	Nill	15	Nill
2019	One day workshop	Nill	09/11/2019	Nill	15	Nill

on "R"

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
Three Days FDP on "Machine Learning Approaches for Smart Devices Design-Hands on using Python"	2	29/08/2019	31/08/2019	3
FDP on "Cloud Based Machine Learning for IoT Application-Hands on Using Python"	2	01/08/2019	03/08/2019	3

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
84	24	48	48

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
Tamil nadu state government schemes, New health insurance scheme, pension schemes, GPF and earn leave reimbursement, Sponsoring conference and FDP costs Providing research assistance, patent filing cost. providing Maternity leave, Medical facilities, annual sport events for faculties. The Institute has provision of sanctioning loans at a very nominal rate of interest to the faculty.	Sponsoring staff development program costs The Institute has provision of sanctioning loans at a very nominal rate of interest to the faculty	Scholarships ,GATE exam fees, Internship fees, Best project award, Medical facilities

6.4 – Financial Management and Resource Mobilization

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

Local fund auditing is being done once in a year and hardcopies are available in the College Office. Minor errors of omissions and commissions when pointed out by the audit team are immediately corrected / rectified and precautionary

steps are taken to avoid recurrence of such errors in future. The institute regularly follows Internal external financial audit system.

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
NIL	0	NIL

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6.4.3 – Total corpus fund generated

0

6.5 – Internal Quality Assurance System

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

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	Yes	External Experts from other Government Institution, TEQIP-Auditor	Yes	Academic Audit Team
Administrative	Yes	State Government	No	NIL

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

Participating in I year students orientation program every year . Supporting the institutional/department ethos and value . Feedback on regular basis

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

Support Staff is part of all academic, non-academic activities and Staff meetings. Regular Staff meetings are conducted Department wise to address their needs. Support staffs are encouraged to attend training programmes under TEQIP scheme to upgrade their skills. Productivity Enhancement programme for non-teaching and ministerial staff done at regular intervals.

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

Update of Library Resources . IQAC has been formed . Industry involvement in curriculum design and content delivery. Twinning activity (Handling subjects, FDP, Student workshop)with mentee institute Government Engineering College, Raipur has been initiated. GATE coaching organised through TEQIP.

6.5.5 – Internal Quality Assurance System Details

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

6.5.6 – Number of Quality Initiatives undertaken during the year

Year	Name of quality initiative by IQAC	Date of conducting IQAC	Duration From	Duration To	Number of participants

| 2019 | Awareness Programme on "Water conservation and rain water harvesting" | 22/07/2019 | 22/07/2019 | Nill | 100 |
| 2019 | Induction program for first year students programme | 01/08/2019 | 01/08/2019 | Nill | 450 |

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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
Womens Day	09/03/2019	09/03/2019	300	Nill

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
1. Vinyl Stickers/Flex boards placed in the Campus for promoting awareness against wastage of Water Electricity 2. Green Drive (Planting of trees) inside Riverside Road Campus by NSS Units of the College 3. Installation of ample number of Power Saving LED lights in both Campus. 4. Energy Auditing course by EEE dept 5. Plastic waste management 6. Composting pit to avoid air pollution by open burning and the same used as manure for trees with in the campus. 7.Proposal was sent to Government of Tamilnadu for installation of 20 kW solar power plant in Government College of Engineering, Salem campus which reduces the electricity demand of the institution.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	15
Ramp/Rails	Yes	50
Rest Rooms	Yes	15
Scribes for examination	Yes	5
Provision for lift	No	Nill
Braille Software/facilities	No	Nill
Special skill development for differently abled students	No	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of	Number of	Date	Duration	Name of	Issues	Number of

initiatives to address locational advantages and disadvantages	initiatives taken to engage with and contribute to local community			initiative	addressed	participating students and staff
2019	1	1	24/11/2019	1	Blood Donation Camp	Health	100

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7.1.5 – Human Values and Professional Ethics

Title	Date of publication	Follow up(max 100 words)
Institution Calendar 2019-20 for all students	01/08/2019	A code of conduct for students and faculty is illustrated in the Institution Calendar

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
Productivity Enhancement Programme for Teaching Faculties	18/11/2019	23/11/2019	20
Productivity Enhancement Programme for Non-Teaching Faculties	25/11/2019	30/11/2019	30
Women's day celebration	09/03/2019	09/03/2019	300
Pongal Celebration	08/01/2020	08/01/2020	500
Engineers day celebration	16/09/2019	16/09/2019	100
Against Untouchability/Discrimination Oath	30/01/2020	30/01/2020	1000
National Unity Day/Rashtriya Ekta Diwas	31/10/2019	31/10/2019	1000
Constitution Day pledge	26/11/2019	26/11/2019	1000
Induction programme	01/08/2019	23/08/2019	460

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

1. Segregation of e waste at all departments 2. Plastic free zone awareness 3. Composite Pit by NSS units 4. Energy conservation awareness to the Students for efficient utilization of energy 5. Implementation of Jal Shakthi Abiyan

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

1. Clean and green campus. The college campus is located on a 162 hectares site surrounded by greenish natural environment. The 'Environmental and Green Campus' club of the institution took steps like providing steel tumblers and plates to all the departments there by ensuring the one time plastics are not used in the campus. Awareness Programme on single use plastics was conducted as "Swachhata Hi Seva 2019" to make the campus with the plastic waste free campaign. 2. Rain water harvesting. 3. Solid waste composting. The college campus is located on a 162 hectares site surrounded by greenish natural environment. Composting pits are available in many places of the campus in order to avoid air pollution by open burning and the same used as manure for trees with in the campus. 4. Campus wide Wi-Fi 24x7 facility. Wi-Fi 24x7 facility is used by the faculties to access the e-resources subscribed by the college such as ASME journals, WILEY e-Books, Pearson Education Books, IET eBooks, NPTEL Video course materials. In addition to classroom learning, students are used the aids like NPTEL, EDUSAT, e-journals, etc. in order to facilitate learning. Students and faculties can access the e-resources remotely. All the students can browse and become familiar with subscribed and open access resources. Number of publications by the PG students and faculty members are increased. Students can access through the mobile app the various materials used for their exams and projects. Students can get new ideas, prepare for projects/Seminars, and submit assignments in time. 5. CCTV Surveillance and Monitoring. 6. Remedial teaching and training for academically weak students.

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

https://gcesalem.edu.in/sites/gcesalem.edu.in/files/Department_attachments/Best%20Practices.pdf

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

The National Cadet Corps of our Institution is exemplary and it is a responsive, learning and continuously evolving organization that is guided by certain values, which it looks to instill among all ranks of NCC. It nurtures a sense of patriotic commitment by encouraging contributions to national development. Flt.Cdt M.Saranya was participated in All India Vayu Sainik Camp at Jodhpur, Rajasthan. Twelve NCC cadets from our College were selected for Inter Group Competition. Flt.cdt M.Saranya won the silver medal in the best pilot event. Our unit became winner in tent pitching and placed overall runner up.

Provide the weblink of the institution

https://gcesalem.edu.in/sites/gcesalem.edu.in/files/Department_attachments/institutional%20distinctiveness.pdf

8.Future Plans of Actions for Next Academic Year

Enhancing the academic excellence and the Infrastructure facilities to improve the technical skills of the students. Increase industry institution collaborative activities. Improvement of placement performance to ensure 100 percent placement in reputed companies. Implementation of the Learning Management System. Enhancing Alumni institute relationship. Non accredited Programs to apply for NBA accreditation. Organize more number of entrepreneurship development programmes to

third year students. Motivating the Faculties with PhD and doing PhD to publish more number of papers in High Indexed Journal each year.