Yearly Status Report - 2019-2020

Part A	
Data of the Institution	
1. Name of the Institution	**SMK FOMRA INSTITUTE OF TECHNOLOGY**
Name of the head of the Institution	**Dr.A.SARAVANAN**
Designation	**Principal**
Does the Institution function from own campus	**Yes**
Phone no/Alternate Phone no.	**044-42128527**
Mobile no.	**9381569688**
Registered Email	**principal@smkfomra.net**
Alternate Email	**info@smkfomra.net**
Address	**Fomra Nagar, OMR, IT Highway, Kelambakkam**
City/Town	**CHENNAI**
State/UT	**Tamil Nadu**
Pincode	**603103**

2. Institutional Status

Affiliated / Constituent	**Affiliated**
Type of Institution	**Co-education**
Location	**Urban**
Financial Status	**Self financed**
Name of the IQAC co-ordinator/Director	**S.K. VIJAI ANAND**
Phone no/Alternate Phone no.	**9193583355000**
Mobile no.	**9445202386**
Registered Email	**vijaianand.sk@smkfomra.net**
Alternate Email	**skvijaianand@gmail.com**

3. Website Address

Web-link of the AQAR: (Previous Academic Year)	www.smkfomra.net

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 :	http://smkfomra.net/old-site-2021/portal/index.php/pages/announcementIndex/Academic%20Calendar%202019-20%20Even%20Semester%20-%20Updated?id=278

5. Accrediation Details

Cycle	Grade	CGPA	Year of Accrediation	Validity	
				Period From	Period To
1	**B**	**2.39**	**2019**	**14-Jun-2019**	**13-Jun-2024**

6. Date of Establishment of IQAC

6. Date of Establishment of IQAC	**01-Jan-1970**

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

Webinar on Artificial Intelligence in Civil Engineering Application	30-Jun-2020 1	183
Webinar on Role of Biomedical Engineers in Healthcare Market	29-Jun-2020 1	302
Webinar on Cloud Computing	27-Jun-2020 1	256
Webinar on Keep Yourself Fit	26-Jun-2020 1	235
Webinar on Industry Trends & What We Do Next	13-Jun-2020 1	212
Webinar on Current Scenario of Power Generation & Employability	09-Jun-2020 1	124
Webinar on Time Travelling into Post Covid Civil Engineering Trends	05-Jun-2020 1	136
View File		

8. Provide the list of funds by Central/ State Government- UGC/CSIR/DST/DBT/ICMR/TEQIP/World Bank/CPE of UGC etc.

Institution/Department/Faculty	Scheme	Funding Agency	Year of award with duration	Amount
No Data Entered/Not Applicable!!!				
No Files Uploaded !!!				

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 during the year?	**No**

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

1. Conducted internal academic audit at departmental and institutional level 2. Conducted two periodical IQAC meeting and reviewed the progress of the agenda 3. Hosted webinar series on various domains (such as AI, Industry trends, Health Fitness, Power Generation, Online Learning, Digital Manufacturing, Healthcare market, etc) by eminent persons in the industry under IQAC Banner 4. Faculty members were motivate to register in FDPs organized through ICT mode in association with NITTTR, Chandigar Kolkata, and had enrolled in various courses 5. Students feedback was obtained on various parameters of teachinglearning process for all courses and utility of various amneties in the campus. The consolidated report was discussed and ways for future improvement suggested.

[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
To enrich students knowledge and their curriculum vitae, IQAC motivated higher semester students to undergo online courses in NPTEL, SWAYAM portals and certification	Students registered for online courses and gained out-of-syllabi knowledge
To improve placement in reputed core companies, IQAC motivated students by conducting training sessions on general aptititude, company-specific requirements, mock interviews, etc.	More students got placed in core companies
To improve overall pass percentage in Anna university end semester examination results, IQAC aims to focuss on slow learners having less than 3 arrears	Instituional Pass percentage improved
To conduct IQAC full body meeting to review last year academic performance and to chalk out strategies for the current academic year	Progressing in the right direction
[View File](#)	

14. Whether AQAR was placed before statutory body ?	No
15. Whether NAAC/or any other accredited body(s) visited IQAC or interacted with it to assess the functioning ?	No
16. Whether institutional data submitted to AISHE:	Yes

Year of Submission	**2021**
Date of Submission	**17-Mar-2021**
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)	**Palpap InsproPlus ERP software is used in our campus as a Management Information System (MIS). It is exclusively designed for educational institutes to automate their entire management work process. It establishes a platform and helps to manage all academic activities through a single point interface. Inspro Plus version 6.1 comes with a set of 18 modules, with customized reports generated to suit the organizational needs. Currently, two modules operational are Attendance and Mark. Student Attendance Management module provides the following: Individual staff login page, Teacher course wise attendance system, Daily subject wise, attendance marking form, Periodic attendance report, Daily attendance report with session/topic, Student wise attendance report, Attendance summary: Student wise / Subject wise, etc. For the module to work, the student database, faculty database, timetable, etc., needs to be uploaded, Continuous Assessment Mark (CAM) report system manages the student assessment test report analysis, using Spider Chart. In this module each and every staff has individual login page, so that every subject handling staff enter their marks within the specified session as scheduled by the admin. Thus the management can easily monitor the student / staff the staff performance. Additionally, a Black box module is designed that produces two sorts of report. First is making hour savvy participation report. Second one is CAM insightful report. These modules have a client communication page through that the administration sees the report according to need. CAM Module report lists which staff/subject CAM that has not been updated. The attendance module lists the staffs who haven't updated attendance for their subjects according to the timetable. The reports include the faculty name and handling subject,**

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

SMK Fomra Institute of Technology (SMKFIT) is affiliated to Anna University, Chennai, strictly adheres to the syllabi and curriculum as prescribed by the University. From AY 2017-18 onwards, Choice Based Credit System (CBCS) has been introduced wherein the student can choose interdisciplinary subjects/electives and can also complete the 8th Semester subjects in advance to focus on job-based internships. The Principal with HoDs prepares the academic calendar based on the university academic schedule. Apart from internal assessments, Industrial visits, In-plant training, Guest lectures, Symposium, Seminars, Conference, Placement & Training and association activities are scheduled to augment teaching-learning process. The timetable committee headed by the timetable coordinator approved by Principal, draw a detailed timetable that includes periods for both academic and co-curricular periods such as theory, practical, tutorial, ICT, library, etc., thereby ensuring different type of engaging students with improved learning. While revision and upgradation of the syllabi is done at the University level, the college has a mechanism for effective, documented curriculum delivery. At the commencement of each semester, every faculty member prepares a detailed lesson plan that specifies the framework for syllabus completion. Interactive teaching is promoted through students' participation in group discussions, quizzes and seminars. Faculties provide the students with requisite notes for each course unit-wise and scheduled assignments. Class committee meeting is conducted periodically to obtain the views of student and the teaching-learning process is reviewed by the HoD / Principal. Faculties take utmost care in completing syllabus in time and the same is monitored by the HoD. Students are encouraged to contact faculty beyond classroom hours to clear their doubts. Extra hours are allocated for remedial classes before internal assessments to boost the morale of student preparedness for the examinations. Class tests are conducted daily and internal assessments are conducted as per university norms to improve students' confidence and enable them to face the semester examinations with utmost ease. Parent-teacher meetings are conducted once for each semester to inform parents about their ward's performance and behavior, suggesting measures on academic activities to be monitored at home. Coaching classes are conducted for slow learners to cope up with their academic lacunae. Besides traditional lectures using chalk and talk method, infrastructure for the use of ICT in classrooms, like power point presentations, NPTEL videos, analogy-based sessions are available to make the delivery of the curriculum interesting for the students. For first years bridge courses are held in order to make the curriculum delivery more holistic and effective. Tutorials are held with mentoring and participative learning encouraged. Internal assessment is done transparently with examined scripts shown to students. Inter-personal skills are enhanced through value education as suggested by AICTE. To provide curriculum enrichment, certificate courses are conducted dept-wise apart from the university syllabi. To enable the students to update on the recent developments in industries, frequently guest lectures by eminent persons from

industry/research/academia are arranged. To enhance the employability of the students customized trainings in the area of soft skills, aptitude, communication, personality development, etc., are imparted.

| 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
Youth Empowerment and Skills Program	Nil	18/12/2019	4	Inter-personal skills	Yoga and Meditation

1.2 – Academic Flexibility

1.2.1 – New programmes/courses introduced during the academic year

Programme/Course	Programme Specialization	Dates of Introduction
BE	Civil Engineering	01/07/2019
BE	Computer Science and Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019
BE	Electronics and Communication Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
BE	Biomedical Engineering	01/07/2019
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	01/07/2019
BE	Computer Science and Engineering	01/07/2019
BE	Electrical and Electronics Engineering	01/07/2019
BE	Electronics and Communication Engineering	01/07/2019
BE	Mechanical Engineering	01/07/2019
BE	Biomedical Engineering	01/07/2019

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

	Certificate	Diploma Course
Number of Students	20	Nil

1.3 – Curriculum Enrichment

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

Value Added Courses	Date of Introduction	Number of Students Enrolled
Python	20/01/2020	60

Web Designing	14/10/2019	42
Embedded C	09/10/2019	24
Solid Modeling using ProE	16/10/2019	33
Staad Pro	04/11/2019	12
Testing and Commissioning	10/02/2020	9
AI Applications in Biomedical Engineering	27/01/2020	78
[View File](#)		

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	20
BE	Computer Science and Engineering	75
BE	Electronics and Communication Engineering	80
BE	Mechanical Engineering	28
BE	Biomedical Engineering	27
BE	Electrical and Electronics Engineering	15
[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	Yes

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

Feedback Obtained

The institute has designed structured feedback questionnaire for all the stake holders that includes students, faculty, employers, alumni, parents, etc. Faculty feedback from the students for the respective courses is taken twice in a semester on various teaching/learning aspects and it is analyzed by the Principal. In case of faculty with low feedback scores, he / she is being called by the Principal and instructed to improve their performance / teaching parameters and corrective measures were suggested. Course exit feedback about the infrastructural facilities and amenities are taken from the final year students at the end of last semester for further improvement. Student's feedback is also obtained during class committee meetings conducted at regular intervals during the semester. This feedback helps to understand the problems of students, syllabus coverage, effectiveness of teaching etc., and is considered to improve the efficacy of teaching-learning process. Students are

encouraged to raise their doubts anytime. Feedback from faculties is taken using Self-Appraisal form. Effective performance of appraisal system is ensured by including an eminent academician, along with the Principal and HoD. Faculties through the one-to-one appraisal session are motivated on how to optimize their contribution towards institutional objectives. The appraisal system also takes note of the difficulties faced by faculties in carrying out their assigned duties, promotion of research and development, attending FDP, workshop, lab facilities, etc. Suggestions made by faculties are considered for improving the overall system is consolidated and presented to the management by the Principal for approval. Feedback from the parents are taken by interacting with them during Parent-Teacher meet conducted every semester. Parents feedback analysis mainly points to improving industry exposure to students. This is addressed by IQAC by signing more MoUs with core companies. Information about attendance, academic performance, behavior of their wards is shared with the parents so that they are aware of their wards progress. To improve student's moral values, universal human values are also taught to improve their interpersonal skills. Feedback on career prospects is obtained from alumni, when they attend the alumni meet arranged by the college annually. Alumni who are unable to attend the meet provide their feedback through Google forms. Alumni discussed industry-job scenario with current final batches and suggested measures for keeping pace with the ever-evolving dynamic industry and. The feedbacks were discussed in the meeting of training and placement cell to conduct expert lectures, value added / certificate courses to enhance the employability of final year students. Feedback is also collected from major companies where our alumni have been consistently recruited.

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	Biomedical Engineering	60	55	23
BE	Mechanical Engineering	60	19	3
BE	Electronics and Communication Engineering	45	43	9
BE	Electrical and Electronics Engineering	60	12	2
BE	Computer Science and Engineering	60	51	28
BE	Civil Engineering	60	11	2

View File

2.2 – Catering to Student Diversity

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

Year	Number of students enrolled	Number of students enrolled	Number of fulltime teachers	Number of fulltime teachers	Number of teachers

	in the institution (UG)	in the institution (PG)	available in the institution teaching only UG courses	available in the institution teaching only PG courses	teaching both UG and PG courses
2019	471	13	72	12	6

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
84	80	11	8	6	5

View File of ICT Tools and resources

View File of E-resources and techniques used

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

In our institution (SMK Fomra Institute of Technology (SMKFIT)), implementation of mentoring system has ensured an effective student-teacher relationship. In the mentor system, 15 students are assigned to a faculty who act as their mentor. In the first year, students academic and personal issues are well looked after by the class advisor / mentors. Consequently students are able to realize their responsibilities at the early stage itself. Mentoring system is followed by all departments from the First year onwards till course completion. The mentor counsels the students individually at least once in a month. At least 3 to 4 meeting are arranged by mentors for their mentee in each semester. If a student is identified as having weakness in particular subject, it is duty of mentor to apprise the concerned subject teacher. Students those who have attendance shortage (less than 75 in a slot), failures in internal tests (less than 60) are paid special attention. For students with less attendance / more backlogs / ill-behavior, parents are called for counseling and a meeting is arranged with the principal. Slow learners are identified in the initial stages and are provided remedial coaching after class hours in the evening. Parents are also kept abreast of their wards progress. The mentors establish a very good relation with the students so that they discuss the problems/difficulties faced with utmost confidence. Psychosocial issues arising in cases like single parenting, bread earner in the family etc are also handled sensitively. Students with personal/family problems are counseled and supported by a professional counselor. The mentors always keep a check on the student's discipline, attendance, marks/grades obtained in internal external examinations, etc. Apart from mentor, students are also counseled by class advisors, subject faculties and HoD / Principal for enriching their academic performance by arranging additional lecture / practical classes. Students are also supported and guided both in co-curricular (symposium, quizzes, paper presentation) and extracurricular activities (sports, fitness, yoga, meditation). In the final year students are guided regarding their career development, entrepreneurship, higher / abroad studies, developing inter-personal skills, etc. All interactions and actions taken by the mentor are documented in proper format. For each student, a student profile is maintained from the first year till course completion that gives a whole picture of the student. HoD calls for a meeting of all mentors at least once in a month to review proper implementation of system. The outcomes of the mentor system are increase in attendance percentage of the students, improved performance in academics, inculcating moral values and good virtues amongst students, cordial student-teacher relationship, etc. Thus at SMKFIT, through the mentor system, students come out with flying colors as ethical engineers to provide valuable service to the society.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor : Mentee Ratio
484	84	1:6

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

84	84	Nill	10	7

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
2019	Mrs. M. Padmapriya	Associate Professor	Second Prize, ICCIKE, AMITY, Dubai
2019	Dr.V.Krshinakumar	Principal	Staffordshire University ,UK and Education Matters Presents Teaching Awards in Engineering - 2019

View File

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	104	IV / II	29/09/2020	17/10/2020
BE	103	IV / II	28/09/2020	17/10/2020
ME	414	II / I	21/05/2019	17/10/2020
ME	405	II / I	21/05/2019	17/10/2020
BE	121	II / I	28/09/2020	17/10/2020
BE	114	II / I	28/09/2020	17/10/2020
BE	106	II / I	28/09/2020	17/10/2020
BE	105	II / I	28/09/2020	17/10/2020
BE	104	II / I	28/09/2020	17/10/2020
BE	103	II / I	29/09/2020	17/10/2020

View File

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

Our institution SMK Fomra Institute of Technology (SMKFIT) is affiliated to Anna University, Chennai and follows the internal assessment schedule and examination pattern of the university. The schedules of internal assessments are communicated to students through the college academic calendar prepared on the basis of university assessment schedule, is shared with the students on Day 1 of the semester by the respective class advisor. Three internal tests IA-1 (up to 1.5 units), IA-2 (1.5-3 units) and IA-3 (units 4 5) are conducted for 50 marks with 1½ hour duration. The question paper has three parts. Part-A (5 x 2 10 marks) has five short answer questions. Part-B (2 x 13 26 marks) has two descriptive / problematic questions in either-or pattern. Part-C (1 x 14 14 marks) question is of analytical / indirect type. Two sets of question papers with key are prepared by faculties according to university standards and

reviewed by HoD is submitted to exam cell. The Exam cell has framed guidelines that are strictly adhered to with respect to conduction of exams and evaluation process. Answer scripts are evaluated as per key by the faculties after completion of exam and distributed to students next day for doubt clarifications / corrections and afterwards submitted to the exam cell. The consolidated mark list for students in all subjects is displayed on the notice board. Result review meeting is conducted using result analysis, attendance details, etc. by faculty, HoD and Principal. The performance of students in assessment test, attendance detail is conveyed to parents by class coordinators. Remedial coaching class and counseling is scheduled for slow learners. The assessment marks are uploaded onto university web portal. Evaluation for lab course is done at the end of the semester that includes viva. Project work is evaluated by conducting at least three reviews covering key parameters. Further to improve students' performance daily class tests, 2 mark test, two model exams as per university pattern are conducted.

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

Our institution SMK Fomra Institute of Technology (SMKFIT) is affiliated to Anna University. Therefore the institution strictly adheres to the university's curriculum, syllabi, academic and assessment schedule in implementation of curriculum, co-curricular and extra-curricular activities at the institution. At the beginning of each semester, the Principal with HoDs prepares the academic calendar based on the university's academic and internal assessment schedule. Apart from internal assessment tests, model practical exams, the calendar includes industrial visits, in-plant training, guest lectures, workshops, symposium, seminars, conference, placement training, association activities, project reviews, internal audit, class committee meetings, etc., are scheduled to enrich the curriculum and augment teaching-learning process. The academic calendar is displayed on all department notice boards and on the college website. The college academic calendar is shared with the students so that they can plan their academic and extracurricular activities. Based on the curriculum, HoDs prepare staff workload for their department and assign courses for faculties after approval from Principal. Faculties prepare course file containing objectives, lesson plan, lecture notes, tutorials, outcomes, etc., for proper delivery of the respective courses. The timetable coordinator in consultation with the Principal sketches the outline for timetable preparation. The inputs are provided to department timetable incharges who consult each other for sharing departmental lab common resources and prepare timetable for all classes. The academic calendar acts as guide to the functioning of departments and teaching plan is synchronized accordingly. Faculties are instructed to strictly follow syllabus coverage unit-wise as per academic calendar. The three internal assessments are conducted as per schedule, so that test marks with attendance details can be uploaded onto university web portal as planned. Thus the academic calendar acts as a ready reckoner for smooth functioning of the academic process. The Principal reviews the academic activities of each department in weekly HoD meetings and suggests corrective measures.

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.smkfomra.net/ug-courses/

2.6.2 – Pass percentage of students

Programme Code	Programme Name	Programme Specialization	Number of students	Number of students passed	Pass Percentage

			appeared in the final year examination	in final year examination	
414	ME	Thermal Engineering	2	1	50
405	ME	Computer Science and Engineering	1	1	100
121	BE	Biomedical Engineering	50	42	84.0
106	BE	Electronics and Communication Engineering	13	7	53.8
105	BE	Electrical and Electronics Engineerinng	5	5	100
104	BE	Computer Science and Engineering	18	16	88.9
103	BE	Civil Engineering	7	3	42.9
114	BE	Mechanical Engineering	20	12	60.0
			[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.smkfomra.net/iqac/

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
No Data Entered/Not Applicable !!!				
No file uploaded.				

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
Artificial Intelligence in Civil Engineering Application	Civil Engineering	30/06/2020
Role of Biomedical Engineers in Healthcare	Biomedical Engineering	29/06/2020

Market		
Cloud Computing	Computer Science and Engineering	27/06/2020
Keep Yourself Fit	Mechanical Engineering	26/06/2020
Industry Trends What We Do Next	Biomedical Engineering	13/06/2020
Current Scenario of Power Generation Employability	Electrical and Electronics Engineering	09/06/2020
Industrial Automation Using PLC	Electrical and Electronics Engineering	06/06/2020
Time Travelling into Post COVID Civil Engineering Trends	Civil Engineering	05/06/2020
Computational Modelling	Mechanical Engineering	03/06/2020
Microsoft Office 365 Education	Electronics and Communication Engineering	01/06/2020
Block Chain with Industry Applications	Computer Science and Engineering	29/05/2020
Digitalization : New Trend in Healthcare	Biomedical Engineering	20/05/2020
Career Guidance	Electronics and Communication Engineering	05/05/2020
Tools for Online Learning	Computer Science and Engineering	18/04/2020
IBM Awareness Program on Emerging Technologies	Computer Science and Engineering	17/02/2020
IoT and Cloud	Computer Science and Engineering	06/02/2020
DTE Workshop	Biomedical Engineering	28/01/2020
Grid and Cloud Computing	Computer Science and Engineering	08/08/2019
Advances in Robotics	Mechanical Engineering	30/07/2019
Dynamics of Machines	Mechanical Engineering	29/07/2019
Data Analytics	Computer Science and Engineering	27/07/2019
Digital Marketing	Computer Science and Engineering	26/07/2019
FACTS Devices	Electrical and Electronics Engineering	25/07/2019
Recent Advances in Geotechnic Engineering	Civil Engineering	23/07/2019
Water Resources Management	Civil Engineering	22/07/2019
RF and Mircowave	Electronics and Communication Engineering	19/07/2019
GeoTechnical Investigation in	Civil Engineering	19/07/2019

Construction				

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
International Conference on Computational Intelligence and Knowledge Economy (ICCIKE)	Mrs. M. Padmapriya	ICCIKE, AMITY, Dubai	11/12/2019	Second Prize
National Level technical symposium	Ms.G.Aishwarya, Ms.C.Bhuvaneshwari	ST JOSEPH COLLEGE OF ENGINEERING	13/10/2019	Second Prize
National Level technical symposium	Mr. Bharathan, Mr. S.Ashwin	KCG College of Technology	14/08/2019	Second Prize
National Level technical symposium	Ms. Gadupudi Manvitha Mr. S.Ashwin	Dhanalakshmi Srinivasan college of Engineering	22/08/2019	First Prize
Teaching Awards in Engineering	Dr.V.Krshinakumar	Staffordshire University,UK and Education Matters	23/10/2019	Nill
[View File](#)				

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

Incubation Center	Name	Sponsored By	Name of the Start-up	Nature of Start-up	Date of Commencement
No Data Entered/Not Applicable !!!					
No file uploaded.					

3.3 – Research Publications and Awards

3.3.1 – Incentive to the teachers who receive recognition/awards

State	National	International
12	5	0

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

Name of the Department	Number of PhD's Awarded
Electrical and Electronics 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	Electrical and Electronics Engineering	5	2.21
International	Computer Science	3	2.85

International	Mechanical Engineering	4	4.3
International	Biomedical Engineering	1	0.37

[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
Biomedical Engineering	1
Electrical and Electronics Engineering	5
Electronics and Communication Engineering	1
Civil Engineering	1
Mechanical Engineering	4
Computer Science 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
A Comparative Analysis of Intrusion Detection Systems using Feature Selection and Classification	R. Selvi, Dr. B. Shanthini	International Journal of Advanced Science and Technology	2020	Nill	SMK Fomra Institute of Technology	Nill
An Analysis on Cervical Cancer Classification of Medical Digital Images Using Various Classifiers	Dr. M. Robinson Joel, G. Vishali, R. Ponlatha, Syed Sharmila Begum	International Journal of Scientific Research in Science, Engineering and Technology.	2019	1	SMK Fomra Institute of Technology	Nill
A Study	Mr. R.	Internat	2020	Nill	SMK	Nill

of Finite Element Analysis on Single Tube Fin Arrangement in Radiator	Ashok Kumar	ional Journal of Scientific Research and Engineering Trends			Fomra Institute of Technology	
Theoretical Analysis and CFD Simulation on the Ceramic Monolith Heat Exchanger	Mr. R. Ashok Kumar	International Journal of Scientific Research in Engineering and Management	2020	Nill	SMK Fomra Institute of Technology	Nill
Algorithm based Speed Control of Three Phase Induction Motor using Space Vector Pulse Width Modulation	Mr. R. Ashok Kumar	Journal of XIAN University of Architecture and Technology	2020	Nill	SMK Fomra Institute of Technology	Nill
Data Security Based on Elliptic Curve Cryptography and Edge Based Data Hiding	Mr.Gandhi Jaba Kumar G, Mr.M.Robinson Joel	A Journal of Composition Theory	2020	Nill	SMK Fomra Institute of Technology	Nill
Closed Loop Control of Voltage Source Converters During Faults in HVDC Transmission System	Dr. Ramesh Periyannan, D.A. Suresh	The International Journal of Electrical Engineering Education	2020	1	SMK Fomra Institute of Technology	Nill
Controlles for	Mr. Ramesh Periyannan	International Journal of	2019	Nill	SMK Fomra Institute	Nill

Handling Three Phase Grid Fault in Voltage Source Converter Based HVDC Transmission systems	Dr. D. Kirubakaran	Advanced Science and Technology			of Technology	
Performance Combustion and Emission Characterestics of DI Diesel Engine using Jojoba Oil	Mr. R. Ashok Kumar	International Journal of Scientific Research in Engineering and Management	2020	Nill	SMK Fomra Institute of Technology	Nill
Nano bioactive Hap nano bio resorb composite scaffold and their biochemical activity for implant application	Ms.Kala	Journal of ceramic resaerch processing	2020	Nill	SMK Fomra Institute of Technology	Nill

[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
Advance Dynamic Network System of Internet of Things	M. Robinson Joel, V. Ebenezer, N. Karthik, K. Rajkumar	International Journal of Recent Technology and Engineering	2019	1	1	SMK Fomra Institute of Technology

[View File](#)

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

Number of Faculty	International	National	State	Local
Attended/Seminars/Workshops	8	25	20	18

Presented papers	29	3	Nill	Nill
Resource persons	Nill	1	1	Nill

<div align="center">

View File

</div>

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
Gandhi Jayanthi Day	NSS	6	94
Fomra Fest	NSS	23	418
Health Camp	NSS / YRC	4	284
Clean Campus	NSS	6	72
National Yoga Day	Art of Living	10	86
Tree Plantation Drive	AICTE - MHRD	20	150
Blood Donation Camp	Rotary Club of Chennai and Apollo Hospitals, Chennai	4	125
Road Safety Awareness - Mini Marathon	Government of Tamilnadu	12	432

<div align="center">

View File

</div>

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
Teaching Awards in Engineering	Teaching Awards in Engineering	Staffordshire University ,UK and Education Matters	2

<div align="center">

View File

</div>

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
One Student – One tree Programme	AICTE - MHRD	Tree Plantation	20	150
Safe Blood for All	Rotary Club of Chennai and Apollo Hospitals, Chennai	Donate Blood, Save a Life	4	125

Sadak Suraksha – Jeevan Raksha	Government of Tamilnadu	Road Safety Awareness – Mini Marathon	12	432

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
Research	Mr. Ramesh Periyannan Dr. D. Kirubakaran	Institute	180
Research	Dr. Ramesh Periyannan, D.A. Suresh	Institute	180
Research	Dr. M. Robinson Joel, G. Vishali, R. Ponlatha, Syed Sharmila Begum	Institute	180
Research	Mr.Gandhi Jaba Kumar G, Mr.M.Robinson Joel	Institute	180
Research	M. Robinson Joel, V. Ebenezer, N. Karthik, K. Rajkumar	Institute	360
Research	R. Selvi, Dr. B. Shanthini	Institute	360
Research	M. Padmapriya & T. A. Raghavendiran	Institute	360
Research	M. Deva Brinda, Mohamed Uvaze Ahamed. A, R. Sundar, M. Padmapriya, V. Porkodi, Sangeetha Krishnan	Institute	180

View File

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration From	Duration To	Participant
On job training	Hospitaliz ied Biomedical Equipment	Bilroth Hospitals, No. 43, Lakshmi Talkies	09/12/2019	14/12/2019	4

		Road, Shenoy Nagar, Chennai-600 030.			
On job training	Hospitaliz ied Biomedical Equipment	Chennai Meenakshi Mu ltispecialit y Hospital Ltd., No. 72, Luz Church Rd, Kattukoil Garden, Mylapore, Chennai-- 600 004.	09/12/2019	13/12/2019	4
Internship	Embedded Training	UNIQ TECHN OLOGIES, 1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, N Usman Rd, T. Nagar, Chennai, Tamil Nadu 600017	25/11/2019	29/11/2019	7
Internship	Matlab	UNIQ TECHN OLOGIES, 1 Shifa Arcade, 3rd Floor, Bharathi Nagar 1st Street, N Usman Rd, T. Nagar, Chennai, Tamil Nadu 600017.	09/12/2019	13/12/2019	14
On job training	Internet of Things	IBM Career Education, IBM India Pvt LTD , No 12, Subframanya Arcade 1, Banner Ghatte Road, Bangalore -560029	17/02/2020	19/02/2020	65
On job training	Python	Livewire, Skizee Technologies	20/01/2020	24/01/2020	60

		Solution Pct. Ltd., No. 17, 2nd Floor, R.K. Building, OMR, Thiruporur, Kancheepuram -603110			
On job training	Hospitaliz ied Biomedical Equipment	Trauma OrthoPaedic Speciality Hospital (TOSH), #72, Ormes Road, Kilpauk, Che nnai-600010	02/12/2019	12/12/2019	3

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
Health Watch Telediagnostics Pvt. Ltd.	20/11/2019	Expert talk and Design of medical equipments	88
RIPE	06/01/2020	Soft skills training, certificate courses	312
Fomra Electricals	12/02/2020	Seminar, Workshop, Training and Internship	22
Alif Medical Pvt. Ltd.	08/04/2020	Training and knowledge transfer in medical equipments	75
Atheenapandian Biomedical Private Limited	04/05/2020	Projects and Internship	81

View File

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 – Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development
2	1.75

4.1.2 – Details of augmentation in infrastructure facilities during the year

Facilities	Existing or Newly Added
Seminar halls with ICT facilities	Newly Added

Value of the equipment purchased during the year (rs. in lakhs)	Newly Added
Campus Area	Existing
Class rooms	Existing
Laboratories	Existing
Classrooms with LCD facilities	Existing
Seminar Halls	Existing

View File

4.2 – Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or patially)	Version	Year of automation
AutoLIb Software Syatem	Fully	Advanced Edition 8.2	2018

4.2.2 – Library Services

Library Service Type	Existing		Newly Added		Total	
Text Books	36441	5466150	2007	401400	38448	5867550
Reference Books	2100	388500	50	10500	2150	399000
e-Books	10839	48775	1380	6210	12219	54985
Journals	56	84000	14	42000	70	126000
Digital Database	2600	13000	1200	6000	3800	19000
CD & Video	1366	6830	800	53100	2166	59930
Library Automation	3	98910	1	9500	4	108410
Others(specify)	1	14875	Nill	Nill	1	14875

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
No Data Entered/Not Applicable !!!			
No file uploaded.			

4.3 – IT Infrastructure

4.3.1 – Technology Upgradation (overall)

Type	Total Computers	Computer Lab	Internet	Browsing centers	Computer Centers	Office	Departments	Available Bandwidt	Others

								h (MBPS/ GBPS)	
Existing	250	100	48	20	59	8	7	10	3
Added	0	0	0	0	0	0	0	0	0
Total	250	100	48	20	59	8	7	10	3

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

10 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
SMK FOMRA INSTITUTE OF TECHNOLOGY	https://www.youtube.com/channel/UCodXGz HfG6lKvtfJCzadHXw

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
300	212.68	100	106

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)

There are systems and procedures for maintaining and utilizing physical, academic and support facilities such as laboratory, sports complex, computer, classroom, etc., in the institute. The preliminary maintenance / service tasks are carried out in-house and if required, the corresponding vendor service is called to ensure the working condition of equipment / machine / system at the earliest possible. Laboratories: A Lab in-charge and Lab instructor is assigned to take care of each laboratory. The Lab instructor is accountable for maintaining the laboratory and ensures that the system / equipment is in working condition by undertaking periodical maintenance activities. The lab in-charge in consultation with the HoD and approval of the Principal is responsible for upgrading an existing lab or development of new lab, in line with the syllabus requirements. Stock verification is carried out at the start and end of each semester to identify working / non-working / missing items, etc. Apart from stock register (consumables / non-consumables), registers pertaining to preventive maintenance, movement, lab utilization, student login, lab manual, records etc., are maintained. In case of computer labs, the system administrator is responsible for software installation, troubleshooting hardware, network maintenance. The system admin is also responsible for maintenance of servers, cameras, Internet and Wi-Fi connectivity. Library: Librarian and supporting staff maintain the central library. The fully functional AutoLib software is deployed for automation of library services such as stock book issue / renewal, etc., by bar-coding all the books. Library utilization registers for staff and student are maintained separately. At end of each academic year physical stock verification is done. Procurement of books as per curriculum and syllabi is initiated by the committee comprising Principal, Librarian and HoDs before the start of each semester. Additionally to promote research, physical volumes of reputed journals are maintained. A

separate digital library room (systems with internet) is maintained to provide free access to E-journals such as Delnet, IEEE, ASCE, ASME and Science Direct to both student and faculties. Each department also has its own mini-library maintained by the department library in-charge. Sports complex: The Physical Director is responsible for the facilities and activities in Sports complex. The sports complex houses outdoor sports such as Badminton, Cricket, Basketball, Volleyball, Kho-Kho, etc., and indoor games such as Chess, Carrom, Table tennis, etc. Student teams for each sport are selected by the PD. The requisite sports kit / equipments are issued to the students as per schedule. Sports coaching to students are provided after class hours to enable them to participate in inter-college events to win trophy / awards. Equiments in the gym for student/staff fitness is also provided by the institute. All sport kits / equipments are maintained by the PD with the help of support staff. Class Rooms: Class rooms are allocated to departments (one for each second / third / final year). PG classrooms are also allotted for each specialization. Smart classroom is allocated one for each department with necessary ICT tools. The ICT resources are maintained by the System admin.

http://www.smkfomra.net

CRITERION V – STUDENT SUPPORT AND PROGRESSION

5.1 – Student Support

5.1.1 – Scholarships and Financial Support

	Name/Title of the scheme	Number of students	Amount in Rupees
Financial Support from institution	Institution Scholarship/ Tution Fees Waiver	175	23920000
Financial Support from Other Sources			
a) National	BC/MBC/SC/ST/ Minority Scholarship	126	9325000
b)International	NIL	Nill	0
View File			

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

Name of the capability enhancement scheme	Date of implemetation	Number of students enrolled	Agencies involved
Remedial Coaching	05/02/2020	80	Department Staff members
Bridge course	06/03/2020	65	BME/ECE Dept. HOD
Language lab	04/11/2019	129	SH Department
YOGA	14/10/2019	318	INTERNAL
Soft Skill Development	04/03/2020	318	Placement and Training Dept
Soft Skill Development	03/02/2020	149	IBM
Counseling Mentoring	23/09/2019	122	Dean - Academics
Bridge course-	15/07/2019	13	BME/CSE Dept. HOD

First Year					

View File

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
2020	placement and Training- competitive Exam coaching	40	230	Nill	143

View File

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

Total grievances received	Number of grievances redressed	Avg. number of days for grievance redressal
2	2	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
RCM Visionary Infotech Skill Lync Healthwatch WORKSBOT Maintec Qspiders Fastlabs Pvt Ltd	426	160	Just Dial Blue Ball Technologies Shiash Infotech Infosys Faso software Cellbios Fomra Electricals	173	50

View File

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

Year	Number of students enrolling into higher education	Programme graduated from	Depratment graduated from	Name of institution joined	Name of programme admitted to
2020	1	BE	Electronics and Communication Engineering	Tamil Nadu open University	MA

2020	2	BE	Biomedical Engineering	University of Madras	MBA

View File

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	Nill

No file uploaded.

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

Activity	Level	Number of Participants
TECH FEST	COLLEGE LEVEL	20
CULTURAL ACTIVITY	REGIONAL LEVEL	40
CRICKET TOURNAMENT	INTER DEPT LEVEL	60
BASKET BALL	ZONAL LEVEL	12
CRICKET TOURNAMENT	ZONAL LEVEL	18
KABADDI	ZONAL LEVEL	12
FOOTBALL	ZONAL LEVEL	15

View File

5.3 – Student Participation and Activities

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

Year	Name of the award/medal	National/ Internaional	Number of awards for Sports	Number of awards for Cultural	Student ID number	Name of the student
2019	KARATE CAMPING-KATA	National	1	Nill	31211910 4026	SWETHA J
2019	KARATE CAMPING-Fight	National	1	Nill	31211910 4026	SWETHA J

View File

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

The student council at SMKFIT provides an opportunity for students to leverage their leadership skills through active participation in various student-related activities and act as a bridge between student community, faculties, principal and Management. Generally students good in the fields of academics / sports / culture, etc., are nominated by the HoD / Principal to head the various committees. The council members have free access to the HoD. Principal and management and their suggestions are vital for being a student-friendly campus. Every class has a class representative nominated by the class incharge / advisor. The class representative facilitates the communication of workout problems / assignments given by various subject handling faculties to the class students. The class representative has informal discussions with the students and brings to the notice of class advisor regarding problems of importance. The class committee is formed for each class comprising the HoD, class advisor,

subject faculties and student members. The student members include 3 boys and 3 girls, each from the category of academically poor / average / good. After each internal assessment, class committee meeting is conducted. The student members are changed for each committee meeting.so that inclusiveness of class is maintained. The students fearlessly bring out the difficulties faced by them in understanding theory and lab courses and their inputs are taken to improve the effectiveness of teaching-learning process. Students are given strong representation in sports and cultural committees and help the faculty in-charge in smooth conduction of annual Sports Cultural Day events. Student representatives from all departments are included in the core committee and take active participation in planning, organization and conduction of events on that day. The National Social Service (NSS) unit comprises of highly committed student volunteers who form the core of NSS committee and involve in social activities such as blood donation, tree plantation, Swachh Bharat, etc. They also carry out education and environment awareness programs in the neighboring Kelambakkam and Thiruporur areas, which are highly encouraged by the institute. The NSS is also responsible for keeping the campus clean and green. NSS camps instill social and eco responsibility and contribution towards uplift of society. The Hostel administration includes various committees comprising student representatives from all four years / departments for both girls and boys hostel. Students play their role enthusiastically in catering / hygiene / discipline / anti-ragging, etc. They also promote oneness among hostellers by forging unity amongst students who differ in linguistic, religion, caste, creed, etc. leading to a social equality. Day scholars monitor hygiene at canteen. Students through their association activities plan, organize and conduct Symposium event. Each department has a high-level symposium committee comprising HoD, Coordinator, and student members President (final year), Vice President (Third year). Both technical and non-technical events are listed out, each event has a faculty in-charge, student coordinator, members and volunteers. The students take care from registration, showcasing technical abilities, maintaining decorum, hospitality to participants, deciding winner runner, etc. in a smooth and efficient manner. Student representatives also involve in extension activities such as Yoga day, Teachers Day, Engineers day, Founders day, etc. Student representatives also contribute to the publish of college yearly magazine / newsletter by providing articles, poems, drawings, etc. Students also eagerly and enthusiastically conduct / participate in various events of festival celebrations such as Pongal Day.

5.4 – Alumni Engagement

5.4.1 – Whether the institution has registered Alumni Association?

No

5.4.2 – No. of enrolled Alumni:

155

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

77500

5.4.4 – Meetings/activities organized by Alumni Association :

The Alumni association acts as a bridge between the past and present students and plays a vital role in the development of the institution. The Alumni meet of SMK Fomra was conducted online on 4th July 2020. Over 100 alumni's from different batches of all departments shared their thoughts. During the meet all alumni pledged that they would support for internship / in-plant training for their juniors. They also passed on tips on how they did see through the

placement process of aptitude test, group discussion and HR interview. A smooth interaction took place between the alumni and current final years. Our proud alumnae volunteer to conduct technical webinars / seminars for their departments. For instance, Ms. Deepika Princess Dean, Senior analyst, Zifo RD solutions, presented a webinar titled Digitalization: New Trend in Healthcare on May 25, 2020.

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)

Our institution is well-structured to ensure delegation of power at various levels and ensures participative management at all levels of decision making. The college management run by SMK Fomra Trust believes in decentralization and participative management by involving all stakeholders for efficient functioning of the organization. The Fomra management grants independence to the academic head (principal) in all areas and does not interfere in the decision-making process and provides requisite financial support in development and implementation of policies and programs that are in line with the vision and mission of the college. The top management has given utmost freedom and flexibility in both academics and administration to the Principal so as to produce a world-class institution. The Principal has constituted various committees / cells, assigns responsibilities and monitors them, such as academic committee, anti-ragging committee, timetable committee, discipline committee, grievance redressal cell, exam cell, placement training cell, College Program Organizing committee, SC/ST minority cell, admission cell, sports culture committee, women empowerment cell, NSS, etc., at the start of the academic year to suggest improvement measures in attaining the institutional objectives. The Principal has delegated powers to the Head of the Department (HoD) for smooth functioning of the department in an autonomous manner. The HoDs are assigned responsibilities and perform their role to produce academic excellence at the departmental level under the guidance of the Principal. The HoDs in turn have entrusted the class in-charges for proper coordination and class control. The faculties are fully involved and execute the departmental / institutional plans correctly and maintain a cordial relationship with the student community. Faculty members are given representation in various committees to exhibit their abilities. Students are also empowered to play an active role in the conduction of various co-curricular and extra-curricular activities. The non-teaching staffs also play a crucial role in managing the facilities and day-to-day work assigned to them. As a case study, the conduction of Fomra Fest 2019, a National level Technical Symposium is briefed to demonstrate the culture of decentralization and participative management at SMKFIT. To accomplish successful conduct of the event, the committees established with Principal as head are 1) Chief guest committee to provide transport, reception, etc to the Chief guest, 2) Conference hall committee to decorate the conference hall, where welcome address and valedictory function is planned and stage management 3) Banner committee to put up common and departmental banners 4) Media committee to cover all events and to post articles in leading newspapers 5) registration committee to register participants department-wise 6) Volunteers committee to guide participants and place sign boards 7) Discipline committee to maintain decorum at all events 8) Food Committee to provide refreshers and lunch 9) Transport committee for information on bus routes. For each technical and non-technical event conducted by the departments, a faculty is assigned as event coordinator in coordination with student representatives oversees the smooth conduction of the event and to report its progress to the department symposium coordinator. This event empowers the student representatives to organize and conduct the

symposium by having a committee of president, vice-president, treasurer, secretary for each department formed by the HoD. Over 300 students from surrounding engineering colleges took active participation in various technical events (HEFTIC BIONS, CHISELZ 2K19, CRYPTO 2K19, ESPERANZA 2K19, EXOUSIA 2K19 and MECHADZE 2K19) conducted on 25th Sepetember by all departments. The Chemistry professor from IIT Dr. Ramesh Gardas took part as Chief Guest. One of the alumni Mr. Anurog Roy, expert in Loop-AI, Microsoft Windows, and California graced the event as guest of honor. Cash prizes were awarded to the winners and runner-up.

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	College website is enabled with all the Information pertaining to all UG PG courses. ? Students with higher merit and students with special caliber seek admission to this institute due to its repute as a 'high standard' institution. The institute maintains this repute by adopting following strategies: o Maintaining good results in University examinations by means of quality trends of teaching learning, providing quality infrastructure and facilities, maintaining good training and placement track records o College website is enabled with all the Information pertaining to all UG PG courses o Encouraging extra-curricular activities like sports, cultural and other arts o The institute conducts admission process awareness programmes, counseling sessions for prospective students o 50 of students are admitted through Counseling and the remaining seats are filled under management quota o Maintaining Ragging-free environment o The institute is having Admission committee which looks after the admissions of students
Human Resource Management	Human resources are efficiently handled by the Principal and HODs offering constant guidance and inspiration. ? Faculties are granted autonomy to operate in different areas related to curricular, co-curricular, and extracurricular activities, resulting in successful functional committees. ? Both students will have access to student counseling services, which will focus on their overall progress. ? In-house faculty

	development activities are organized. ? Staff and students are given assistance in organizing and participating in college social and academic events. ? Teaching and non-teaching personnel are delegated for need-based instruction. ? Induction programme for newly hired professors ? Well laid policy for recruitment / upward mobility
Research and Development	Laboratory infrastructure is updated on a regular basis to meet not only academic but also research needs. We have a dedicated Research Incubation Center where students can participate in research events such as paper presentations at national and international conferences and magazines, hackathons, and sponsored projects
Teaching and Learning	Institute adopted following strategies for improving teaching learning ? Course plans are prepared by each faculty member for each semester and verified by the Head of the Department at various points in compliance with the Universitys syllabus and review scheme. ? Furthermore, faculty members prepare high-quality course materials, which enhance the teaching-learning process. ? Class committee meetings have been held on a regular basis to document grievances regarding the teaching-learning process. ? Students are often given access to a question bank that includes critical questions, as well as solved University question papers and response keys. ? Students are encouraged to create mini-projects focused on Industry-Institute needs, with a particular emphasis on social benefits. ? Academic audits of the teaching process are conducted on a regular basis. ? Tests are used to measure student success on a regular basis. ? Supporting faculty professional growth through lectures, conferences, and workshops ? Reviewing the results and comparing them to past results, as well as taking corrective steps to change the situation. ? Conducting remedial lessons for slow learning students ? open source availability are all available for the benefit of students and staff to update their knowledge
Curriculum Development	? Our institute is affiliated with

	Anna University, Chennai, and adheres to curricular changes as determined by the university. ? In addition to the curriculum fixed in the Anna University bylaws, faculty members regularly give lectures in content that go beyond the curriculum in order to impart basic and technical concepts relevant to their course. ? As part of the curriculum development, students are encouraged to perform small projects and business models. Indoor exhibitions are organized in order to provide a platform for students to showcase their technical knowledge and skills. ? Staffs have attended various workshops, conferences, seminars, etc. organized by other institutes to get the latest updates on any curriculum revision. ? Review curriculum to meet industry requirements. ? A workshop on various topics. ? Beginning of bridge courses and remedial classes
Examination and Evaluation	The college follows university norms of examination and evaluation strictly. The college maintains a detailed record of the same. ? The College conducts three tests during the semester through a centralized Examination Cell. ? The question papers for Internal Assessment test are prepared as per the guidelines of Bloom's Taxonomy. ? The answer scripts of such tests are shown to the students within three days and Marks are displayed in the notice board. If the students' performance is not satisfactory, information will be conveyed to the parents/guardian and solution for the best performance will be arrived. ? The Internal Assessment marks obtained by the students are uploaded in the Anna University web portal and the same can be accessed by the students. ? Special attention to the slow learners by offering intensive coaching through remedial classes. ? Daily class test is conducted. Besides, three internal assessment tests and one Model Examination have been conducted for improving students learning attitude and performance. ? Each subject instructor (teaching staff) gives at least three assignments per semester. ? Examination schedule (Semester wise) is uploaded on college website well in advance
Library, ICT and Physical	Our central library contains a large

Infrastructure / Instrumentation	volume of books, journals, e-books, and e-journals. The students are provided with a library period in their weekly time table in order to enhance reading habit and knowledge. The ICT facilities deployed in the library includes the following: ? Electronic Resource Management Package for e-journals ? Library automation software ? Total 20 nos. of computers for public access. ? Student records/ attendance/internal marks/ fee payments/ fully computerized ? Wi-Fi enabled campus. ? In-house facility to fabricate lab equipment. ? E-Journals, hardbound journals are added every year. ? Physical infrastructure is increased to address the needs of a trade or a course or the intake capacity of the course. ? Infrastructure in the form of development of Parking space was added. ? Good hostel and catering facilities
Industry Interaction / Collaboration	? Departments are encouraged to make their value added courses of study relevant to industry. ? Industrial visits, lectures by industry experts and domain experts are regularly conducted. ? Department is constantly in consultation with the industries in Tamil Nadu for the projects. ? MoUs are signed with various industries to bridge the industry institution gaps. ? Skill Development Centre is functioning within the college premises to ? Impart skills in the areas of Robotics, PCB Design to our students

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

E-governace area	Details
Administration	• The institute has implemented an ERP system for smooth functioning, through this portal, new employee's detail, subject allocation details, timetables, work load details are managed • Send intimation SMS to concerned parents and authorities are carried out through this portal. • Fully automated, wireless office with 24x7 internet facility. • Biometric attendance for all staff members
Finance and Accounts	The accounts of the institutes are computerized. The accounts of the institution are maintained through the Tally software, the fees is deposited online mode and offline mode
Examination	• The forms for the University

	examinations are now filled online and the details need to be submitted in both hard and soft copy. • Under the CBCS method of examination introduced since 2018 Internal Evaluation marks submission will have to be done through online portal of the university. • Online exams are scheduled and performances are evaluated
Planning and Development	• The Vision and Mission Statement is uploaded on the institutional website. • Further development strategies, too are uploaded on the website. • The Governing Body Meeting Minutes and Resolutions by Circulation are emailed to members in addition to circulation of hard copies

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
2020	R. Ashok Kumar	Road not Taken	ISTE	300
2020	R. Ashok Kumar	Fuel and Combustion	TPSDI	300
2020	R. Ashok Kumar	Industrial Water System	TPSDI	300
2020	R. Ashok Kumar	Fan and Blower	TPSDI	300
				View File

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)
2020	Webinar on Tools for Online Learning	Nill	18/04/2020	19/04/2020	24	Nill
2019	FDP on Communication English	Nill	27/12/2019	28/12/2019	22	Nill
2019	FDP on IIT-B Spoken	Nill	21/12/2019	21/12/2019	22	Nill

Tutorial and NPTEL Swayam Courses				

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
National Workshop on Role of MSME for Entrepreneurship and Incubation	1	22/05/2020	22/05/2020	1
FDP on Machine Learning using Python	1	04/05/2020	04/05/2020	1
NAAC Awareness Program for Faculty	1	08/05/2020	14/05/2020	7
FDP on Artificial Intelligence	1	22/05/2020	26/05/2020	5
FDP on Robotic Process Automation and its allied Machine Learning Techniques	1	23/05/2020	23/05/2020	1
FDP on R Programming	1	25/05/2020	29/05/2020	5
FDP on Civil Engineering Research - A Step Forward	1	25/05/2020	30/05/2020	6
FDP on Demystifying Network Security	1	26/05/2020	30/05/2020	5
Workshop on Intellectual Property Rights (IPR)	1	02/06/2020	03/06/2020	2
FDP on Theory of Computation	1	22/06/2020	26/06/2020	5

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

Teaching		Non-teaching	
Permanent	Full Time	Permanent	Full Time
Nill	10	Nill	2

6.3.5 – Welfare schemes for

Teaching	Non-teaching	Students
• Provident Fund for Employees • Accidental Insurance • Leaves (Casual / Sick / Medical / Maternity / Vacation) • OD for FDP / Workshop / Conference • Incentives for Journal Publication	• Provident Fund for Employees • Accidental insurance • Leaves (Casual / Sick / Medical / Maternity / Vacation)	• Accidental insurance • Merit scholarship • Minority scholarship • Sports scholarship • Transport scholarship • Full fee waiver for meritorious students • Additional number of library tokens for meritorious student

6.4 – Financial Management and Resource Mobilization

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

Payments, Receipts and accounting on a daily basis are carried out by the senior Accountant. Every financial transaction is recorded and sent to head of the accounts team on a day to day basis and annual audit is done by a senior accountant from the trust office. The annual external audit is conducted by a firm of chartered accountants appointed by SMK Fomra Educational Trust- Managing Committee. The review of records and accommodation of personal government forms are being done routinely every year. Last outer examining was led in May 2020. There are no review protests since the organization follows a decent arrangement of inner controls like calling citations, correlation of rates, planning of procurement request and so on, and acquiring of endorsements at each phase of such execution and due confirmation of labor and products that are obtained after delivery or completion of works. No expenses are incurred without proper approval or sanction by the Head of the institution/Correspondent

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
No Data Entered/Not Applicable !!!		
No file uploaded.		

6.4.3 – Total corpus fund generated

6241001

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	Anna University	Yes	Senior HOD

Administrative	Yes	ISO	Yes	Principal

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

Feedback on Student performance. Feedback from the parents on the performance of their wards. Support for Industrial Visits, Internships, Projects and Placements

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

Organizing communication skills training. Soft skills and computer skills training. Technical staff to undergo training for new software and equipment

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

Orientation on implementing Outcome Based Education to the entire faculty. Apart from University syllabus Activity based learning Courses are given to students. Entrepreneurship

6.5.5 – Internal Quality Assurance System Details

a) Submission of Data for AISHE portal	Yes
b)Participation in NIRF	No
c)ISO certification	Yes
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
2020	Faculty Development Webinar on Microsoft Office 365 Education	03/05/2020	01/06/2020	01/06/2020	35
2020	Faculty Development Webinar on Skilled	03/05/2020	29/05/2020	30/05/2020	25
2020	Faculty Development Webinar on Skilled Engineers- Need of the Hour	03/05/2020	20/05/2020	21/05/2020	21
2019	BRIDGE COURSE	13/09/2019	23/09/2019	28/09/2019	61
2019	SOFTSKILLS TRAINING	13/09/2019	23/09/2019	28/09/2019	72
2019	APTITUDE TRAINING	13/09/2019	23/09/2019	28/09/2019	80

View File

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
Youth Empowerment and Skills Program	18/12/2019	21/12/2019	12	8
Health Camp	10/02/2020	10/02/2020	144	212
Motivational Speech about Women	11/03/2020	11/03/2020	162	75
Webinar on Keep Yourself Fit	23/06/2020	23/06/2020	112	195

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

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

The institute utilizes the policy of Renewable Energy management effectively as it cuts the cost of power expenditure. 20KVA solar power energy plant is commissioned on the roof top of main building. Approximately 25,000 units are generated from this solar plant every year and it meets 8-10 of power requirements annually. All buildings in the campus are equipped with rain water harvesting system to accumulate the rainwater, thereby raising the ground water level significantly. The rain water stored in the wells is purified by RO plant that has capacity to provided 250 litres of pure drinking water for the entire campus. Grey water collected from wash rooms, canteen vessel cleaning area, etc., is collected separately in a soak pit to enrich the water level and is used for gardening purpose. On an average 200 saplings are planted every year and hence the whole college is surrounded by tall well-grown trees leading to a lush and green campus and helps to attain carbon neutrality. Awareness is created among the students and facultes to maintain the campus clean. Students are prohibited from using their own and must use college transport only. Other than staffs that are within the vicinity of the campus, all are encouraged to use the college transport only. All desktop monitors within the labs are of LCD type. In addition CFL and LED bulbs are used at most places for lightning purpose. Such measures have reduced the carbon emission from the campus. Vegetable waste from the canteen is provided as fodder for our own cows. E-waste, metal waste is stored in the scrap yard and disposed properly. Printouts are kept to the minimum by storing the data on central server and through use of Palpap ERP software. Thus an effective waste management is implemented at our campus Thus our institution takes keen interest in maintaining the campus highly eco-friendly and energy conservative.

7.1.3 – Differently abled (Divyangjan) friendliness

Item facilities	Yes/No	Number of beneficiaries
Physical facilities	Yes	Nill
Provision for lift	Yes	Nill
Ramp/Rails	Yes	Nill
Rest Rooms	Yes	Nill
Scribes for examination	Yes	Nill

7.1.4 – Inclusion and Situatedness

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date	Duration	Name of initiative	Issues addressed	Number of participating students and staff
2019	1	1	14/09/2019	1	Mini-marathon on Road Safety Awareness	Road Safety	457
2020	1	1	14/03/2020	1	Blood Donation Camp	Blood Donation	125

View File

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

Title	Date of publication	Follow up(max 100 words)
Code of Conduct	06/08/2019	College has been implementing from the inception Service rules and code of conduct. These are circulated to all the faculties and students. These rules are approved by Governing Body Council. It gives clear direction to follow code of conduct and punishment for violation. A separate code of conduct is supplied to all the parent and students of indulging in malpractices, misbehavior and consequent punishment

7.1.6 – Activities conducted for promotion of universal Values and Ethics

Activity	Duration From	Duration To	Number of participants
YES (Yoga Meditation)	18/12/2019	21/12/2019	20

View File

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

1. Tree plantation drive 2. Rain water harvesting 3. Solar and LED lights 4. Proper disposal of metal-waste, e-waste 5. Declaration of polythene-free campus 6. Tobacco-free campus 7. Digitization of academic activities (paperless)

7.2 – Best Practices

7.2.1 – Describe at least two institutional best practices

I) Best Practices in Teaching-Learning 1. The teaching-learning process kick starts of with Technical discussion on tough / problematic subjects. Sometimes new faculty or faculty handling the subject for the first time may not have the expertise to plan their course delivery for such subjects and hence needs to be mentored. In such cases, the faculties bring their raw thoughts to the table with a chalk and talk session on their subject topic, methods to achieve the desired pass percentage, scheduling units/topics, etc., which is reviewed by HoD / subject experts and senior staff of other department. Corrective measures are suggested to the faculty for engaging classroom sessions in an efficient manner. 2. Faculties are instructed to prepare their lecture notes for all five units well in advance and verified by the HoD. They are also required to prepare a question back with at least 20 short and 5 descriptive question answers for each unit. 3. A week before the scheduled start of semester, Practice schools, a hands-on workshop for students are conducted for a week by all departments. The topics handled by experts are not part of the curriculum. The objectives of practice school is to inculcate learn by doing, productive use of theoretic knowledge, develop and apply skills in real working conditions without hassles. The outcome is that it strengthens the student's knowledge by providing them practical environment, wherein they can really learn to enhance their career. Thus students when they complete the course, they aren't bookish, but are seen as skilled workers by the prospective recruiters. 4. A slip test is scheduled in the timetable (3rd period). Every day slip test is conducted for a subject (each day order a subject) that contains two short questions and one descriptive / problematic question. This paves the way for incremental daily learning and students are not burdened to study a whole lot for internal assessment tests. It also helps student to cover important topics unit-wise before the internal assessment. The slip test papers are evaluated on the same day and the mistakes are pointed out for corrective measures. 5. Three internal tests IAT1 (up to 1.5 units), IAT2 (1.5-3 units) and IAT3 (units 4 5) are conducted for 50 marks with 1½ hour duration. The question paper has three parts. Part-A (5 x 2 10 marks) has five short answer questions. Part-B (2 x 13 26 marks) has two descriptive / problematic questions in either-or pattern. Part-C (1 x 14 14 marks) question is of analytical / indirect type. Two sets of question papers with key are prepared by faculties according to university standards. Answer scripts are evaluated after completion of exam and distributed to students next day for doubt clarifications / corrections. 6. Slow learners are identified and remedial coaching classes are conducted after working hours and students have to take a retest. This is done to improve the overall pass percentage. Further to improve students written performance / timing, two model exams as per university pattern is conducted. One model lab exam is conducted for each practical subject in the last week of the semester. Hostellers are strictly monitored during study hours by the warden with parental care. 7. After each internal assessment, parents are intimated about their ward's performance in internal assessment test, attendance detail, behavior and conduct. Isolated cases pertaining to poor performance, disregard for institutional rules and regulation are dealt by counseling both parent and ward in the presence of principal. Parents are also informed about their wards performance in university semester examinations including backlogs. 8. Analogy based learning is conducted using ICT tools, wherein two topics per subject are explained using an analogy. Analogy helps students to understand the topics easily by co-relating the topic with an activity in the real-world. NPTEL videos are also shown to students to gain subject knowledge from the IIT experts. 9. Student feedback is obtained during class committee meetings held after each internal assessment for each subject staff is obtained. The principal / HoD suggest remedial measures for the faculty. Students also give an exhaustive online feedback that covers all teaching-learning parameters, co-curricular and extra-curricular activities, amenities, infrastructure, etc. The feedback is consolidated and presented to the Principal / management for

necessary action. 10. Students are encouraged to raise their doubts during class hours and can contact the faculty after work hours for any clarification if required. Each student has an assigned mentor, who identifies the strength and weakness and counsels accordingly. 11. Parent-Teachers meet (PTM) is conducted once every semester most probably on weekends. Parents are briefed about their wards progress and presented with necessary records. Suggestions from parents are also invited. For hostellers, local guardians are informed accordingly. II) Best Practices in Inculcating the spirit of Research Knowledge 1. IQAC has embraced the research culture that proposes learning based on field study and research, despite the financial and time constraints on research oriented activities. 2. Faculties are encouraged to pursue research work and to publish them in journals / international conferences by providing them OD and financial incentives, if their work is included in a journal of impact factor as specified in Annexure-1. 3. Faculties motivate students to take up the stream of research in an enthusiastic manner. Students are introduced to research in the third year itself during the course of mini project. Faculties also emphasize the role of their mini project / project work in placement interviews. 4. Students are allowed to complete their final semester electives in advance, so that they are focused on research work in their final semester. Students are encouraged to form their own groups for project work, but are mandated to do all their project work in-house under the direct supervision of guides assigned to them by the project coordinator / HoD. 5. Students are also permitted to undergo internship / project at reputed organizations but will have to report the progress on a weekly basis to their respective guides. 6. Three reviews excluding zeroth review is scheduled and students are informed about the percentage of project completion for each review and the contents that needs to be presented before a review panel. The review panel comprising the HoD, project coordinator and senior faculty scrutinize the students performance in terms of architecture, technical content, communication skills, preparedness, body language, etc., and suggest corrections. Finally a mock project viva-voce is conducted before the university examinations. The best project of the department is identified and students are felicitated. 7. Staff and students have access to volumes of recent proceedings of various journals and e-journals in the library. This facilitates the research process to a greater extent. 8. Faculties are also encouraged to register for online / offline courses and FDP from premier institutions / university to keep themselves updated with the pace of ever changing field of specialization / dynamic industry. After completing a course / programme, faculties have to conduct the same program internally to their colleagues and faculties of other departments (if interested). This ensures transfer of knowledge and everyone is abreast of the latest trending topics. 9. English club is formed to bring out the communication skills of students by means of essay, activities debates, group discussion, etc. Student association is formed within each department and their include paper presentation, symposium, etc., wherein students exhibit their technical talents at various inter-college competitions. Students also demonstrate their abilities by conducting inter-college events at the college. III) Best Practices in Offering Financial Aid to Deserving Students 1. Our institution is run by Fomra Educational trust for almost two decades. The objective of the trust is to ensure that no meritorious student shall be denied education for the sole reason, lack of finance. 2. Students those who are having aggregate of 80 and above, Merit scholarship is offered. In merit scholarship tuition fees are waived off at the first year and are continued for every year till course completion if the student achieves 8.0 GPA or more every semester. 3. To ensure and to improve students performance in university examination, tuition fee is waived off for students who pass in all subjects in both odd and even semester. 4. Sportspersons are offered special scholarship for their achievements at district / national level. Students admitted under sports quota are given additional coaching enabling them to compete at inter-

college sports competition. 5. Being a Hindi minority institution, students from the hindi belt are offered a special scholarship 6. It has been obtained from the student profile that many prospective engineers joining various courses of the college are coming from poor economic background. Their parents are unable to provide a sustained financial support because they are employed in unorganized sector. Fomra trust enables them to complete their courses by way of fee discounts. 7. By way of offering financial aids (more than 1 crore) to students irrespective of caste, creed or gender, Fomra trust promotes equality, generosity and a sense of social responsibility. The expected outcome is that students should complete their degree

Upload details of two best practices successfully implemented by the institution as per NAAC format in your institution website, provide the link
http://www.smkfomra.net

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

Vision: We envision being one of the world's leading engineering colleges in the field of education and research by building our own tradition of innovation and academic intervention to meet the changing needs of the society. Mission: To impart world class engineering education foster research and development. To encourage entrepreneurship and ultimately mould young minds for a professional career enabling them global engineers. Our college motto is to enrich and excel, for which it strives to improve continuously in terms of student and faculty achievement by providing state-of-art facilities, infrastructure, etc. In keeping with the mission of fostering world class engineering, the institution has been able to identify the strengths of each individual and guide them to achieve excellence through effective mentoring. The students and staffs enrich from the institution through guest lecture and workshops by eminent resource person from the industry, industrial visit to highly reputed core companies, prominent alumni talks, NPTEL sessions, access to E-journals, yoga sessions, motivational webinars, etc., towards attainment of knowledge and wisdom. The objective of the institution is to prepare engineering professionals with strong technical, leadership skills and ethical values, who emerge out with a vision to do a greater good to the society at large. The institution stands apart from all other colleges by placing greater emphasis on producing core professionals with value-based education and enabling the students to face challenges in modern life by counseling them in issues of academic / personal matter. The college organizes life-style and skill development programs that focuses on yoga and meditation in-order to make them feel confident in solving problems surrounding them. Health camps are also organized to ensure that they keep their body along with mind in proper shape throughout their graduation. The college also aims to create a great ground for inculcating social responsibility amongst students by conducting blood camps, swachh bharat mission, tree plantation, etc., in the adjoining Thaiyur village through NSS, YRC and other associations. The institute also aims at revitalizing the teaching-learning process with a focus on futuristic demands and aspires to become a center of excellence through research and development. The state-of-art laboratories provide the field for students and faculties to pursue research and contribute towards the development of the institution and society. Certificate courses are conducted so that our students prevail over the cut-throat competition in the industry. Special attention is given to the underprivileged students especially SC/ST and minority students. Students who prefer sports are also duly coached to participate in various tournaments Special effort is undertaken to make students understand the surfacing environmental crisis through implementation of energy conservation, waste

management, rain water harvesting, plantation drives, etc., and urge them to become eco-friendly citizen. Thus the institution persists for holistic development of the individual and society by imparting high quality education at low cost.

Provide the weblink of the institution
http://www.smkfomra.net

8.Future Plans of Actions for Next Academic Year

SMK Fomra Institute of Technology has been initiating and implementing various activities to improve quality in the different aspects of academics, co-curricular and extracurricular activities, faculty development, etc. The plans for the next academic year are: 1. To create a wide-spread educational network to provide quality education to socially and economically backward classes. 2. To apply for NBA accreditation for UG programs BME and CSE. 3. To bring out social transformation through educational and cultural development of rural and semi-urban population in the adjoining areas. 4. To provide enhanced facilities of hostel accommodation, physical education and value education. 5. To increase the use of modern and innovative teaching aids for effective teaching and learning process for imparting technical and professional education to increase employability and economic development. 6. To increase number of books, research journals, strengthening e-library and to promote research activities. 7. Organize more community service activities to contribute to the wellness of the society through NSS unit. 8. To introduce skill-based and value-added courses, one for each department with the approval of Anna university to provide competency and competitive edge for students. 9. To firm up collaborations to bridge the gap between academia and industry by signing more MoUs, focus on interaction with industry with the involvement of faculties and final year students. 10. To provide intensive training for preparing students to clear competitive examinations. 11. To aggressively motivate entrepreneurship and innovation amongst students through EDC and skill development cell, thereby increasing their employability. 12. To facilitate online learning and e-content development, workshop is to be organized for faculties. Each faculty is mandated to have their own YouTube channel and post video lectures on important subject topics unit-wise. 13. To nurture research activities and inculcate research by organizing national and international conference and to publish selected papers in reputed UGC journal. Purchasing anti-plagiarism software to provide the necessary impetus for proper research. 14. To ensure effective implementation of bridge courses for complete subject knowledge. 15. To encourage students to undertake projects based on foundation courses for awareness and sensitization towards clean environment and better social ecosystem. 16. To promote online examination and evaluation system by using MCQ pattern. 17. To strengthen the alumni database and their contribution at the departmental level. 18. To enhance and upgrade the resources of laboratory facilities for creating research environment. 19. Staffs and students are motivated to do online courses via NPTEL, Udemy, Swayam, MOOC, etc. 20. Tie-up with institutions to enable students learn foreign languages such as Chinese, French, etc., to improve their employability in foreign countries and GRE, TOFEL for abroad higher studies.