



SELF STUDY REPORT

FOR

1st CYCLE OF ACCREDITATION

J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY

**PUNJAITHURAIYAMPALAYAM, T.N.PALAYAM, GOBICHETTIPALAYAM TK
638506**

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1. EXECUTIVE SUMMARY

1.1 INTRODUCTION

INTRODUCTION:

J.K.K.Munirajah, a leading Industrialist of Komarpalayam town, Namakkal Dt, Tamilnadu, India is the Chairman and Managing Trustee of Annai J.K.K.Sampoorani Ammal Charitable Trust. He had his Post Graduate Studies in "Textile Management" renounced Bolton Institute of Technology, Bolton, United Kingdom. He is the Managing Director of Two Textile Spinning Mills, one at Komarapalayam, and another at Tiruchengode. He has forty years of experience in administering Industrial establishments. He founded Annai J.K.K.Sampoorani Ammal Charitable Trust in memory of his beloved Mother in 1971 for the purpose of providing health care and Education to the public at large.

For the meritorious and noble services rendered in the fields of Education, Social Welfare and handicapped Welfare, Dr. J.K.K.Munirajah has been awarded California Golden State Award in 1972. In public recognition of their outstanding performance as employer of persons with disabilities, Dr.J.K.K.Munirajah and Annai JKK Sampoorani Ammal Charitable Trust has been awarded the National Award by His Excellency the president of India, Dr.Giani Zail Singh in the year 1987 and by his Excellency the President of India Dr.A.P.J.AbdulKalam in the year 2004.

J.K.K. Munirajah college of Technology was established in the year 2008 Governed by Annai J.K.K.Sampoorani Ammal Charitable Trust, primarily with the objective of delivering world class quality in Education and Training in a structured and systematic manner J.K.K. Munirajah group of Institutions was founded by Dr.J.K.K.Munirajah M.Tech (Bolton), D.Litt., who is a reputed industrialist, technocrat, an educationalist par excellence, an avid social worker, a person imbued in deep spiritual values and a philanthropist.

The management has completed 35 years of dedicated service to the people of India and abroad in the field of Education. The Institution has an area of 250 acres of land richly endowed with beautiful greenland. The college with its state-of-the-art infrastructural facilities and excellent academic records has earned recognition as one of the reputed educational institutions for men and women in India.

Vision

VISION:

To create and mould students as engineers with adequate core and interdisciplinary knowledge and skills for the welfare of mankind and society through quality education for students with value added education and Ethical values

Mission

MISSION:

- To mould our students in the attainment of professional competence for coping with the rapid and challenging advancements in technologies and the ever changing world of business, industry and services.
- To help and guide our students in their personal growth shaping them into mature and responsible individuals.
- Providing rigorous academic knowledge to the students through high quality education, training models and research activities.
- Providing platform to the students for holistic development with participation in co-curricular and extra curricular activities.

1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

Institutional Strength

STRENGTH:

- High-class infrastructure with a built-up area of 38,704 sq.m comprising of instructional area, circulation area, amenities, with all adequate academic facilities as per norms of AICTE regulatory body and affiliated Anna university with fullfledged library and innovation centers etc.
- Excellent Green campus with a lush trees and medicinal plants near the foothills of Thalamalai.
- Conducive environment and state-of-the-art Infrastructure for Teaching and learning.
- CCTV monitored safety and secured campus.
- Uninterrupted power and water supply throughout the campus with Back up facility of generator (220 KVA) and UPS (70 KVA) of.
- Students training for enhancing employability skills through effective training model designed by Training and Placement cell and active placement cell with outcome of around 70 % of placement records of students .
- Soft skill and technical Skill development programmes offered to students from first year onwards.
- Stake holders participation in Academic and Administrative cell and committees.
- Stake holders feedback mechanism for continuous quality improvement in curriculum and teaching learning process.
- Well planned and designed Rain water harvesting throughout the campus
- Renewable energy usage through Bio-gas,solar power,sensor based power utilization.
- Eco - friendly practices in the campus like Battery powered vehicle,Ban of Plastic and maintaining green campus with separate team and Budget.
- English Language Lab with latest learning software.
- Eminent and Experienced faculty.
- Dynamic Mentoring system for students.
- Promoting E-learning through NPTEL, NDL, Swayam platforms.
- Ragging free campus.
- Active student participation in community welfare programmes,also adoption of nearby village to satisfy all the basic engineering and social needs

Institutional Weakness

WEAKNESS:

- Maintaining Research culture and consultancy activities.
- Poor students enrolment
- Faculty are not recognized nationally and internationally for research.
- No research centers of excellence.
- Lack of NRI student attraction.
- Lack of targeted advertisements to students out-of-state or out-of-region
- Funding / Grants for research activities from AICTE, DST and other agencies are not appreciable.
- Alumni Contributions need improvement.

Institutional Opportunity

OPPORTUNITY:

- Enhancing Interdisciplinary and Joint Research Projects.
- Increased Practice-based research activities through department innovation centers.
- To apply and Increase research funding, seminar grants, Modrobs, Staff development programs.
- Increase and strengthen industry collaborations and increasing MoU with Core and interdisciplinary industries.
- Involve more faculty members in higher studies and research through incentives and provisions for study leave...
- Increase fund raising efforts and alumni understanding of funds needed as a vital importance to future success of the College.
- To achieve higher grade in NAAC Accreditation, and to get autonomy status, which leads to design enhanced curriculum as per the current requirement of industry and society.

Institutional Challenge

CHALLENGES:

- Reduction in qualified applicants
- Saturation of engineering education market
- Reduced /restricted research funding
- Declining interest in technical subjects by students
- Enriching the Communication skill of the Students who hail from rural areas.

1.3 CRITERIA WISE SUMMARY

Curricular Aspects

JKKMCT strictly adheres to rules and regulations of the affiliating Anna university. The institution ensures effective curriculum delivery through a well planned and documented process. IQAC ensures curriculum delivery through quality education through its continuous monitoring. The Anna university curriculum is well structured with the academic elements which mainly focuses skill based.

The Anna university introduced Choice Based Credit System (CBCS) in 2017 and also adopted Outcome Based Education (OBE) subsequently as per the direction of the regulatory bodies. The institution at its level analyses compliance of curriculum and identify the gaps which could be addressed by conducting add-on programmes. The curriculum composed of cross cutting issues relevant to professional ethics, gender, human values, environment and sustainability along with core components to educate the student globally competent.

The curriculum was structured in such a way that various learning mechanisms could be practiced progressively from first year to final year by anna university. The curriculum changes are made by the university after collecting the inputs from various colleges/stakeholders. Whereas at college level the curriculum feedback from stake holder's like students, teachers, alumini, employers etc. is taken and suitable programmes are planned to address the inputs given by the stakeholders.

Teaching-learning and Evaluation

The JKKMCT institution has state-of-art laboratories, well furnished admin and amenity areas. The academic infrastructure like ICT, enabled class rooms, communication skill labs, learning sources digital library, 100 MBPS internet band width, well equipped auditorium, facilities are the assets for the T-L-P to carry more effectively. The TLP adapts student centric methods such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences.

The teachers are wellversed in using ICT enabled tools. Admitted students diverse backgrounds the institution is providing academic and other support. Remedial classes are conducted for slow learners. Bridge courses are organized for the lateral entry students. The advanced learners are encouraged to participate in Hackathons/Design contests etc. The institute follows a effective Mentoring system in which around seven students are assigned to each faculty and he/she functions as their local guardian. Teachers prepare an elaborate course plan, lesson plan and handouts as part of the academic schedule.

The Continuous Internal Evaluation (CIE) and Semester End Examinations (SEE) are conducted as per the guidelines given by the affiliating university without any deviation. The IQAC monitors syllabus coverage and attendance every fortnight and actions to be taken are discussed in the principal meet and necessary actions will be initiated and mentoring plays a vital role in this regard.

A set of PEOs, POs and PSOs are formulated for every programme based on the 'outcome based education' approach. Course objectives and outcomes, are prepared for each course following the appropriate levels of Blooms taxonomy. The IQAC monitors the quality of question papers setters also follow various levels of Bloom taxonomy such as Application ,Analysis and Evaluate , so as to set quality questions which do not cater

to the rote- learning method . Systematic procedures have also been devised for assessing the attainment of PEOs,POs,PSOs and COs. The appropriate corrective measures are implemented based on the attainment levels perceived every year.

Research, Innovations and Extension

The R&D cell of the JKKMCT institute has the practice of organizing R&D related programmes like research methodology, IPR and Patents, guidelines to write the papers etc. the institution also promotes the paper publications in reputed journals by assisting financially to some extent. It is the policy of the institute to encourage PG holders to enroll for Ph.D course. Special leaves are granted for faculties who are pursuing Ph.D and attending for various academic fulfillment of the course. Also the faculty will be permitted to attend the research related workshops or seminars organizing outside the campus. The students are driven by their guides towards innovative/creative thoughts based on the contemporary problems facing by the society/nation. The faculty and students drive the technology to the society as needed. Particularly in this region there is scope for development of automated equipment for agriculture sector.

The institution is also well aware of extensions activities to be carried out in the neighborhood community. There is NSS unit recognized by the affiliating university and also the institution is a member of YRC which helps to organize the events related to NSS and YRC in a structured manner. The institution is getting financial help from the affiliating university for carrying out these activities. Many national/international importance days are also organized to make the minds of the student and faculty service oriented.

The institution by establishing MoUs with the institution and industries carry out the collaborative activities of research and others. The R&D cell also carries out consultancy works being nearby industrialists as customers. The R&D cell has representations from all academic departments for promoting and coordinating various activities in research and development.

Workshop on writing effective thesis and research papers is organized periodically for students. Workshop on writing project proposals and research papers is also organized regularly for faculty members by internal and external experts. Special incentive is provided to the Faculty those who complete their Ph.D.

Infrastructure and Learning Resources

JKKM college of Technology has a sprawling of 23.58 acres. Institution has 40 Lecture halls, 2 seminar Halls and a drawing hall. Institution has total 13 engineering departments namely Mechanical Engineering, Civil Engineering, Computer Science & Engineering, Electronics and Communication Engineering, Electrical and Electronics engineering, Information technology, automobile engineering with MBA and MCA in addition to supporting department Science and Humanities. In Science and humanity, there are Mathematics, Physics, Chemistry and Physical education departments. 15 Smart class rooms and around 80 % of class rooms are equipped with LCD projectors. who;e campus is Wi-fi enabled.

Faculty and students are encouraged to use ICT resources; classrooms are well equipped with projectors to enable the power point presentation for interactive sessions between students and faculty and also facility is available for google class rooms. The placement and training cell is well established with Group Discussion and

Interview rooms and all the required room spaces are available for all notified Statutory and Non-statutory committees.

Innovation cells are available for all departments which acts as a Platforms for all students to create new innovative projects with guidelines of faculty.

Central Library is located in an area of 450 Sq.mt. The library has about 24,707 volumes of books and 6,157 Titles,75 volumes of National and international journals. Delnet,J-gate,K-Hub and E-Shodh sindhu,National digital Library, E- journals are available.. Each department has its own library catering to the needs of the students. Digital Library has 10 desk top systems with internet connection facility. University has provided facility to students for accessing NPTEL (National Programme on Technology Enhanced Learning) lectures,NPTEL students chapter is available.

The college has separate hostel blocks for boys & girls, buses, other vehicles, book depot, DTP center, reprography, Travel desk, indoor, outdoor sport facilities, gymnasium, dispensary, book shop, bank, ATM, postoffice, cafeteria, hotel, yoga hall, water treatment plant, power back up.

Adequate budget is provided annually towards Infrastructure and its maintenance. Each academic block has spacious classrooms, tutorial rooms, seminar halls, laboratories, staff rooms, and rest rooms with adequate seating, lighting and ventilation etc.

Student Support and Progression

The JKCMCT management in view of promoting the admissions with meritorious students offers scholarships and freeships every year.Economically and socially challenged students are provided with financial assistance by State and Central Government Agencies based on certain economic criteria. Financial assistance is also given by college management to the needy students through Equity Action Plan .

The capability enhancement and development schemes include skill development courses : communication skills, soft skills, and technical skills and structured. Co-curricular and Extra curricular activities are also embedded into the system for an overall development of a student.

The institution also has a transparent mechanism for timely redressal of student grievances. Students are represented in several academic & administrative bodies/committees of the institution. The committees are Class Review Committee, Library committee, Anti ragging committee, Canteen committee, IQAC, Women Development cell etc.

The students are encouraged to take part in several cultural and co-curricular activities at intra and inter College levels, which not only improves their leadership skills but also contributes to the overall personality development enhancing the academic performance.

The Language lab conducts programs to develop soft skills and proficiency in English language. Department of Physical Education encourages students to participate in sports /games competitions and fitness activities. Sports materials/equipment and financial support are provided to students.

The alumni and alumni association chapters have been actively involved in various activities. Alumni take part in various committees, statutory body meetings, student interactions and provide inputs and feedback.

Governance, Leadership and Management

Our JKKMCT Institution provides quality technical education with strong fundamentals and moral standards that enable students to excel in their respective field of study. The leadership of the institute believes in participative management and strives to bring excellence by structured organizational system with the involvement of all the stakeholders. All vital decisions regarding the commencement of new courses, expansion of infrastructure, formulation and promulgating of strategy are approved by the Chairman.

The Strategic Plan implementation process is further discussed with the Principal and Heads of the departments for execution. The Institution has implemented e-governance in to make the process simple, accountable, transparent and better reach.

The institution has effective welfare measures for teaching and non-teaching staff. Facilities such as medical allowances, free transport and mess, marriage and house warming gifts are provided. All non-teaching staff are provided with 3 sets of uniform.

Institute has systematic performance appraisal system to assess and review the performance of teaching and non-teaching staff Faculty development programs are conducted for enhancing technical knowledge. Skill enhancement programs are also organized for technical and administrative staff members.

A total of 74 Professional development programs were organized and 298 Faculty were attended FDP internally and externally in the last five years. The Institute provides adequate financial support to the staff for professional development, R&D activities, attending conferences, workshops, publications.

The institution mobilizes the funds through the student fees. The institute makes budgetary provision for recurring and nonrecurring expenditure in advance. As per the budget, financial resources are made available for the effective functioning of the college. A well-defined mechanism prevails to monitor the usage of funds.

The Institution has an active Internal Quality Assurance Cell .The compliance of academic and administrative procedures and their continual improvement is ensured through systematic audit by IQAC. The internal and external members review the academic and support systems to improve the quality of the overall functioning of the institute.

Institutional Values and Best Practices

JKKMCT is responsive to the emerging challenges and pressing issues such as gender equity, environmental sustainability and professional ethics etc. Institutional Values
A gender friendly environment of our campus builds harmonious relations between boys and girls and respect for each other.

The academic ambience of the college addressed many gender equity promotion programs in last five years and

ensures gender sensitivity in providing facilities such as safety and security on the campus, student's counseling and Redressal actions.

The college is also conscious of imbibing Social Responsibilities like climate change and environmental issues through our Institutional core values. Our green practices include alternate and renewable energy sources like Solar electricity which contributes 10 % of total power requirement and 50% of annual lighting power met by LED light sources.

The institution also facilitates the differently abled, by providing special infrastructure such as ramp for wheel chairs, designated rest rooms, Battery powered vehicle, Open sourced screen reading brailey software, and scribe for conducting exams etc.

The institution follows all the rules as per the statutory requirements with respect to academics, finance and administration and maintains complete transparency in all its activities.

The institute understands and meets the requirements of women employees and girl students with respect to safety, security, counseling and has made provision for requisite facilities accordingly.

The institution has adopted an environment friendly approach in maintaining the campus with continuous attention towards tree plantation, adopting Rain water harvesting methods, , use of recycled water and employing renewable energy resources for power generation, in addition to waste management measures such as minimal usage of plastic, solid/liquid waste management, e-waste management and safety against hazardous chemicals etc.

Institutional Best Practices like Enhancing students employable skill oriented training, Green and gloring campus maintenance and effective mentoring system.

2. PROFILE

2.1 BASIC INFORMATION

Name and Address of the College	
Name	J.K.K. MUNIRAJAH COLLEGE OF TECHNOLOGY
Address	PUNJAITHURAIYAMPALAYAM, T.N.PALAYAM, GOBICHETTIPALAYAM TK
City	ERODE
State	Tamil Nadu
Pin	638506
Website	www.jkkmct.edu.in

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	SRIDHARA N K	04285-260755	9789339900	-	principal309@gmail.com
Associate Professor	SATHYABA LAJIN	04285-262220	9578191257	-	hodcse@jkkmct.edu.in

Status of the Institution	
Institution Status	Self Financing

Type of Institution	
By Gender	Co-education
By Shift	Regular

Recognized Minority institution	
If it is a recognized minority institution	No

Establishment Details	
Date of establishment of the college	13-08-2008

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

State	University name	Document
Tamil Nadu	Anna University	View Document

Details of UGC recognition

Under Section	Date	View Document
2f of UGC		
12B of UGC		

Details of recognition/approval by stationary/regulatory bodies like AICTE,NCTE,MCI,DCI,PCI,RCI etc(other than UGC)

Statutory Regulatory Authority	Recognition/Approval details Institution/Department programme	Day,Month and year(dd-mm-yyyy)	Validity in months	Remarks
AICTE	View Document	04-06-2020	12	NA

Details of autonomy

Does the affiliating university Act provide for conferment of autonomy (as recognized by the UGC), on its affiliated colleges?	No
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Recognitions

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	No

Location and Area of Campus				
Campus Type	Address	Location*	Campus Area in Acres	Built up Area in sq.mts.
Main campus area	PUNJAITHURAIYAMPALAYAM, T.N.PALAYAM, GOBICHETTIPALAYAM TK	Rural	23.58	38704

2.2 ACADEMIC INFORMATION

Details of Programmes Offered by the College (Give Data for Current Academic year)						
Programme Level	Name of Programme/Course	Duration in Months	Entry Qualification	Medium of Instruction	Sanctioned Strength	No.of Students Admitted
UG	BE,Electronics And Communication Engineering	48	PLUS TWO	English	60	7
UG	BE,Computer Science And Engineering	48	PLUS TWO	English	60	25
UG	BE,Electrical And Electronics Engineering	48	PLUS TWO	English	60	10
UG	BE,Mechanical Engineering	48	PLUS TWO	English	60	12
UG	BTech,Information Technology	48	PLUS TWO	English	60	25
UG	BE,Civil Engineering	48	PLUS TWO	English	60	1
UG	BE,Automobile Engineering	48	PLUS TWO	English	30	2
PG	ME,Electronics And Com	24	UG DEGREE	English	9	1

	munication Engineering					
PG	ME,Computer Science And Engineering	24	UG DEGREE	English	18	1
PG	ME,Electrical And Electronics Engineering	24	UG DEGREE	English	9	0
PG	ME,Mechanical Engineering	24	UG DEGREE	English	18	1
PG	MBA,Master Of Business Administration	24	UG DEGREE	English	60	3
PG	MCA,Master Of Computer Application	24	UG DEGREE	English	30	3

Position Details of Faculty & Staff in the College

Teaching Faculty												
	Professor				Associate Professor				Assistant Professor			
	Male	Female	Others	Total	Male	Female	Others	Total	Male	Female	Others	Total
Sanctioned by the UGC /University State Government	0				0				0			
Recruited	0	0	0	0	0	0	0	0	0	0	0	0
Yet to Recruit	0				0				0			
Sanctioned by the Management/Society or Other Authorized Bodies	3				2				91			
Recruited	3	0	0	3	2	0	0	2	54	37	0	91
Yet to Recruit	0				0				0			

Non-Teaching Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				32
Recruited	23	9	0	32
Yet to Recruit				0

Technical Staff				
	Male	Female	Others	Total
Sanctioned by the UGC /University State Government				0
Recruited	0	0	0	0
Yet to Recruit				0
Sanctioned by the Management/Society or Other Authorized Bodies				30
Recruited	20	10	0	30
Yet to Recruit				0

Qualification Details of the Teaching Staff

Permanent Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	3	0	0	1	0	0	0	0	0	4
M.Phil.	0	0	0	0	0	0	4	11	0	15
PG	0	0	0	1	0	0	51	25	0	77

Temporary Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Part Time Teachers										
Highest Qualification	Professor			Associate Professor			Assistant Professor			Total
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt.	0	0	0	0	0	0	0	0	0	0
Ph.D.	0	0	0	0	0	0	0	0	0	0
M.Phil.	0	0	0	0	0	0	0	0	0	0
PG	0	0	0	0	0	0	0	0	0	0

Details of Visting/Guest Faculties				
Number of Visiting/Guest Faculty engaged with the college?	Male	Female	Others	Total
		5	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	59	0	0	0	59
	Female	23	0	0	0	23
	Others	0	0	0	0	0
PG	Male	6	0	0	0	6
	Female	3	0	0	0	3
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years					
Programme		Year 1	Year 2	Year 3	Year 4
SC	Male	29	33	48	44
	Female	8	20	44	37
	Others	0	0	0	0
ST	Male	0	0	0	0
	Female	0	1	1	3
	Others	0	0	0	0
OBC	Male	36	56	55	22
	Female	16	31	30	14
	Others	0	0	0	0
General	Male	1	8	2	4
	Female	1	3	0	3
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		91	152	180	127

Extended Profile

1 Program

1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
280	293	290	295	313
File Description		Document		
Institutional data prescribed format		View Document		

1.2

Number of programs offered year-wise for last five years

2020-21	2019-20	2018-19	2017-18	2016-17
13	13	13	14	14

2 Students

2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
404	472	548	607	762
File Description		Document		
Institutional data in prescribed format		View Document		

2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
368	360	422	435	559

File Description	Document
Institutional data in prescribed format	View Document

2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
97	118	191	226	254

File Description	Document
Institutional data in prescribed format	View Document

3 Teachers

3.1

Number of full time teachers year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
96	113	129	183	195

File Description	Document
Institutional data in prescribed format	View Document

3.2

Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
96	113	129	183	195

File Description	Document
Institutional data in prescribed format	View Document

4 Institution

4.1

Total number of classrooms and seminar halls

Response: 42

4.2

Total Expenditure excluding salary year-wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
240.31	418.71	373.88	260.55	355.43

4.3

Number of Computers

Response: 377

NAAC

4. Quality Indicator Framework(QIF)

Criterion 1 - Curricular Aspects

1.1 Curricular Planning and Implementation

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

Response:

The college ensures effective delivery of curriculum as the most vital curricular aspect. The college follows the curriculum prescribed by the university through its Academic council members .

The college ensures effective curriculum delivery through systematic and strategic transparent mechanism.

***Academic Calendar.**

***Time table committee.**

***Teaching Aids, Lesson plan and logging teaching activities.**

***Department Library.**

***Faculty Support.**

***Curriculum Enrichment through ERP, Digital Library.**

***Feedback collected from students to improvise the teaching learning Process**

At the commencement of the Academic year, the academic calendar is prepared by the Committee organized for the said purpose. At the beginning of the Academic year the teachers prepare the teaching plan for their respective subjects. The teaching plan is verified by the Head of the Department. There is sufficient flexibility in the teaching plan, so as to adopt the changes if any. The evaluation of the students is carried out periodically as per the norms of the University.

The college ensures effective curriculum delivery through its consistent efforts; the college undertakes to prepare the Academic calendar at the commencement of the Academic year. The teachers prepare their individual Academic and Teaching plan which is included in the Academic calendar.

The college has little scope to include their own chapters in the curriculum as the curriculum described by the affiliating university is adopted by the college as it is mandatory. The college teachers follow the teaching plan in the schedule of their working hours. The syllabus is already divided in the number of hours in which each teacher is supposed to engage. The periodic tutorials / class tests / examinations are conducted in order to assess the understanding of the students. The examination results are reviewed and the weaker students are taught again and also sometime consulted for their benefits. Teachers take best of their efforts to ensure quality and to enhance academic growth. The college teachers use Chalk and board

Method for mathematical problems, PPT for elaborating principle concepts in the technique and discussion. Compliance of the curriculum is verified by the Head of the Department and the review is taken.

The compliance of the curriculum is communicated to the Principal through the Head of the Department and at the end of term or year the performance of the students is verified by examination and their feedback. Practical, theoretical & oral examinations are conducted to judge the understanding of the students. The University has changed the pattern of examination it is now both objective as well as subjective. The examination pattern is strictly followed by the college. The transparency in examination is followed by the college. The curriculum compliance is integral to responsibilities of the staff which is completely achieved by the college.

Feedback is collected and action taken report is prepared by concerned committees and reviewed in college meetings for timely action taken and for further development of the college.

File Description	Document
Upload Additional information	View Document

1.1.2 The institution adheres to the academic calendar including for the conduct of CIE

Response:

Yes, the institution does adhere to the academic calendar for conducting CIE. The academic calendar is prepared at college level keeping in mind the University Academic schedule. The academic calendar consists of day to day activities like organization of events, seminars, sports, cultural events, soft skill development programs, enrichment programs, special lectures, extension activities by NSS, NCC, RRC etc., and so on.

Compliance of Continuous Internal Evaluation with Academic Calendar

1. **Classes and Lab time-table** – Time table Coordinator of each department prepares the time table as per the guidelines of affiliating university for the number of credit hours for each subject and the academic calendar prior to the start of the semester. Time-table is uploaded on the college portal (ERP) and displayed on notice boards of every department.

2. **Course files and Lecture Plan**- After the allocation of subjects to faculty, course file of each subject is prepared consisting of detailed teaching plan. It also contains the assignments to be uploaded on every scheduled date of academic calendar. This course file is duly approved by the Head of the department and the Principal.

3. **Internal Examinations**- The dates of IAE1, IAE 2 , IAE 3 and Pre-University Exam are mentioned in

the academic calendar. Detailed Examination schedule is announced in advance, by Principal & respective HODs. To maintain further compliance, exam sheets are checked within three days after the commencement of each examination. In case of labs and projects, internal viva and practical exams are conducted by respective departments before/after the pre university examinations.

4. Question Paper Setting- The question paper of internal exams is prepared by concerned faculties and is approved by head of the department. The Principal selects question paper for common subjects out of a pool of papers prepared by all concerned faculties.

5. Exam sheets evaluation- The answer sheets are cross checked in each department to ensure transparent and unbiased evaluation.

6. Assignments and Quiz - In addition to the tests, assignments and quizzes are also the part of Continuous Internal Evaluation. Assignments are provided to students and they should submit it on the scheduled dates. Every teacher conducts regular class tests consisting of MCQs on the related topic for practice and revision with the help of Google forms reflecting the current COVID-19 scenario.

7. University Examination- The tentative dates for university exams are indicated in the academic calendar. The final university exam schedule is also displayed on students' notice boards.

8. Student feedback – At the end of academic session students submit their feedback for each subject through online feedback forms maintaining complete anonymity

9. Academic Monitoring- Each Head of the Department maintains a monthly monitoring report on course coverage, student attendance and assignment provided for every subject. Remedial classes are conducted for weak students in mathematical/conceptual subjects.

10. Amendments- In case of unavoidable circumstances, academic calendar is modified and revised as per the instructions of Head of the Institution only.

File Description	Document
Upload Additional information	View Document

1.1.3 Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years

- 1. Academic council/BoS of Affiliating university**
- 2. Setting of question papers for UG/PG programs**
- 3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses**
- 4. Assessment /evaluation process of the affiliating University**

Response: B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	View Document
Details of participation of teachers in various bodies/activities provided as a response to the metric	View Document
Any additional information	View Document

1.2 Academic Flexibility

<p>1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented</p> <p>Response: 100</p>											
<p>1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.</p> <p>Response: 13</p>											
File Description	Document										
Minutes of relevant Academic Council/ BOS meetings	View Document										
Institutional data in prescribed format	View Document										
Any additional information	View Document										
<p>1.2.2 Number of Add on /Certificate programs offered during the last five years</p> <p>Response: 50</p>											
<p>1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>9</td> <td>10</td> <td>9</td> <td>13</td> </tr> </tbody> </table>		2020-21	2019-20	2018-19	2017-18	2016-17	9	9	10	9	13
2020-21	2019-20	2018-19	2017-18	2016-17							
9	9	10	9	13							
File Description	Document										
List of Add on /Certificate programs	View Document										
Brochure or any other document relating to Add on /Certificate programs	View Document										
Any additional information	View Document										

1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years**Response:** 66.62**1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
268	295	355	419	537

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	View Document
Any additional information	View Document

1.3 Curriculum Enrichment**1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics ,Gender, Human Values ,Environment and Sustainability into the Curriculum****Response:**

In order to integrate the cross cutting issues relevant to gender, environment and sustainability, human values and professional ethics, the College has imbibed different types of courses in the curriculum, some enhance professional competencies while others aim to inculcate general competencies like social Ethical values, human values, environment sensitivity etc., thereby leading to the holistic development of students.

The college has been working for the development of the students. The college teachers engage the students in various activities through Expert lectures, N.S.S., N.C.C., programmes. The environmental issues are dealt in detail in the classroom through a regular subject entitled 'Environmental science and Engineering' this subject is taught by special teachers in the class. The said subjects include the chapters such as, Scope & Nature of Environment Science, Natural Resources, Eva-System, Bio- Diversity, Pollution, and Social Issues & Population. Environmental Science and Engineering is a compulsory subject for all branches students. The current issue of environment awareness has been thoroughly addressed by the college, in curriculum sustainable development is of much importance. The students must understand the human values & follow professional ethics in their relevant field.

Various subjects like Professional Ethics ” “Human values and professional ethics ,”Intellectual property Rights' etc are taught for students to instill professional and moral values in the society Various departments organize the lectures on Human Values, especially on Gender Equality, Women Empowerment, and Skill Development for the students of the college.

Residential camps are conducted by the N.S.S programme for their students to familiarize with the prevailing problems of rural India. The students are also engaged in value added programmes to make them aware of responsibilities and the professional ethics..

1. Gender Sensitivity: Gender related courses are an integral component of various programmes. Students are sensitized and encouraged to work towards gender equity from a cross-cultural perspective. Free counseling services are provided through a Counselling Cell. Camps are organized in slums and rural areas of various places in Erode district that include, women's rights, human rights, child rights, gender justice and gender equality. Compulsory core courses along with the wide range of community outreach programmes that include health and hygiene camps, hole-in-the-wall and village adoption, enable exposure to real life situations..

2. Environment and Sustainability A compulsory core course on Environment studies is included in all UG programmes

3. Human Values and Professional Ethics The curriculum has the following compulsory core courses in all UG and PG programmes specially focused on the development of human values and professional ethics:

1. Cultural Education

2. Rural Development

3. Social Service

4. Co-curricular Activities

5. Environment Studies

6. Disaster Management

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	View Document
Any additional information	View Document

1.3.2 Average percentage of courses that include experiential learning through project work/field work/internship during last five years

Response: 50.4

1.3.2.1 Number of courses that include experiential learning through project work/field work/internship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
116	150	146	168	163

File Description	Document
Programme / Curriculum/ Syllabus of the courses	View Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	View Document
Minutes of the Boards of Studies/ Academic Council meetings with approvals for these courses	View Document
Any additional information	View Document

1.3.3 Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year)

Response: 53.47

1.3.3.1 Number of students undertaking project work/field work / internships

Response: 216

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	View Document
Any additional information	View Document

1.4 Feedback System

1.4.1 Institution obtains feedback on the syllabus and its transaction at the institution from the following stakeholders 1) Students 2)Teachers 3)Employers 4)Alumni

Response: A. All of the above

File Description	Document
Any additional information (Upload)	View Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	View Document
URL for stakeholder feedback report	View Document

1.4.2 Feedback process of the Institution may be classified as follows: Options:

- 1. Feedback collected, analysed and action taken and feedback available on website**
- 2. Feedback collected, analysed and action has been taken**
- 3. Feedback collected and analysed**
- 4. Feedback collected**
- 5. Feedback not collected**

Response: A. Feedback collected, analysed and action taken and feedback available on website

File Description	Document
Upload any additional information	View Document
URL for feedback report	View Document

Criterion 2 - Teaching-learning and Evaluation

2.1 Student Enrollment and Profile

2.1.1 Average Enrolment percentage (Average of last five years)

Response: 22.92

2.1.1.1 Number of students admitted year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
91	152	180	127	153

2.1.1.2 Number of sanctioned seats year wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
534	522	612	630	810

File Description

Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

2.1.2 Average percentage of seats filled against reserved categories (SC, ST, OBC, Divyangjan, etc. as per applicable reservation policy) during the last five years (exclusive of supernumerary seats)

Response: 31.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
89	141	178	120	138

File Description

Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

2.2 Catering to Student Diversity

2.2.1 The institution assesses the learning levels of the students and organises special Programmes for advanced learners and slow learners

Response:

The induction program organized for the first year students aims at enhancing the language skills, motivation, personality development and preparing them to align with Anna University curriculum.

The students are prepared the best use of the time during the induction programme to fine tune their language use, harness their study skills and empower the core competency. Their learning experience would tone up their academic performance of the major core papers as well as regular Basic Science and General Engineering programme.

For the lateral entry students, admitted directly to the second year with good practical knowledge may find difficult in analytical subjects, hence to bridge the gap special evening Mathematics classes are conducted. Fundamentals of computer are taught to students especially from Biology group during their higher secondary education to help them to learn the programming and software related courses in forthcoming higher semester.

Our faculty of English has been supporting our students to make the transition from vernacular to English, as the medium of instruction English. This first initiative of the college is made well-received and appreciated by students and parents.

During first semester, students are categorized into advanced and slow learners based on their academic performance in internal assessment examinations, model exam and university examination

Strategies facilitating Advanced Learners:

Smart India Hackathon and much more where students can explore their ideas and innovation. our students are encouraged to participate in Paper presentation/Symposium,Project context,National conferences,Guest lectures,

Strategies facilitating Slow Learners:

special coaching classes for failures and absentees in Internal Assessment Test, further from second year after university result the institution arranges classes for arrear students on all days to facilitate them to clear their back arrears.

File Description	Document
Upload any additional information	View Document
Past link for additional Information	View Document

2.2.2 Student- Full time teacher ratio (Data for the latest completed academic year)

Response: 4:1

File Description	Document
Any additional information	View Document

2.3 Teaching- Learning Process

2.3.1 Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences

Response:

- Experiential learning
- Integrated/interdisciplinary learning Participatory learning
- Problem solving methodologies,
- Self-directed learning
- Patient-centric and Evidence-Based Learning, Learning in the Humanities
- Project-based learning
- Role play

Introduction:

Student-centric learning has been one of the core principles of this institution since its inception and this has been reinforced and renewed periodically to keep pace with the changing trends in technology.

Experiential learning:

- The students learn the clinical aspects of dental surgery by initially performing pre-clinical exercises such as hands on learning on models.
- They then progress to handling patients by first learning the verbal and communication skills through case history taking and subsequently start treatment procedures after gaining confidence in their own abilities.

Integrated/Interdisciplinary learning:

- An interdisciplinary approach towards delivering comprehensive treatment planning is taught to our students.

- Students posted in a particular department are encouraged to take up patients with multiple complaints.
- Students are tasked with completing the entire range of treatment procedures for a single patient. A monthly clinical society meeting is organized where students present a clinical scenario and discuss the same.

Participatory learning:

- Participation of students in scientific events both within the campus and in other institutions is actively encouraged.
- This gives the students a platform to showcase not only their clinical skills and theoretical knowledge but also the oratorical skills as well.
- This has resulted in our students bagging a number of prizes in various events.

Patient centric and evidence based learning:

- All students are encouraged to learn through treating patients and develop a deeper understanding and knowledge on how to approach different case scenarios in alignment with patients' deficiencies, needs and preferences.
- They are also encouraged to assimilate knowledge by reading articles on emerging areas as part of their Journal Club and seminar discussions and gather evidence for each treatment.

Learning in the humanities:

- Students are posted in the Department of Public Health Dentistry in their Final Year and CRI.

Problem solving:

- Students are encouraged to expand their horizon of thinking by giving them case scenarios in the OP and questioned on the diagnosis, prognosis and treatment planning.
- They also work on simulators and models to gain experiences.

Self-directed learning:

- Students are encouraged to learn based on their interests and inclinations. They have access to the soft and hard copies of books and journals in the library.
- They get deeper knowledge of the subject when they prepare for their class assignments.

Project based learning:

- Students are required to carry out short term studies as part of ICMR short term student fellowships by our final year students and interns to cater to the general dental well being of the people.

Role play:

- The Department of Public Health Dentistry encourages preparation of and enactment of social messages in the form of small skits, plays and short films by the students.

File Description	Document
Upload any additional information	View Document
Link for additional information	View Document

2.3.2 Teachers use ICT enabled tools for effective teaching-learning process.

Response:

Introduction

The institution engages LMS for providing the e-learning platform to the students and faculty. The features of LMS are best exploited for making it as a major teaching-learning tool to disseminate knowledge to our students.

LMS

- All faculties and students are provided with an **LMS**.
- All faculties and students are provided with an individual portal with an unique login ID and password for accessing the LMS.
- Faculties can access only their subject portal while students are provided access to all the subjects of study in that academic year.
- The lecture material is uploaded by the respective faculty at least one week prior to the class session and the same is made available to all the students.

Lecture Halls

- All our lecture halls are provided with a desktop computer, wireless internet, overhead projector and collar mikes with speakers.
- The presentation is projected onto a large white screen and the students can additionally view the presentation on their laptops.

Student Facilities

- The lecture halls were upgraded to enable the usage of projectors teaching and learning.
- Our institution is in the process of moving towards a 3-dimensional method of teaching which will enable the students to clearly visualize the anatomy and understand the subjects.

- Therefore faculties are provided with tabs to deliver key areas of the session in a 3-dimensional view to ensure comprehensive understanding.

IT Department

- Our faculties and students are well versed in handling the IT gadgets which empowers them to keep pace with the latest technological advancements in dental education.
- A dedicated Information Technology Department capable of providing both hardware and software support, is available at all times.
- This department gives required training to the faculties in the usage of basic Microsoft tools to enhance the delivery of lectures.

IT Devices

- There are also desktop computers available in all departments of the college with high speed internet connection.
- Any academic related work can be carried out with the help of the IT enabled facilities.
- The computers are fitted with inter-linked internal storage drives which enable access of the data/information stored in one place in any other part of the campus.
- All the systems are also equipped with antivirus and web page blocking softwares which prevent access into non-academic websites.

Technological Innovations

- Our institution also possesses latest technological innovations which assist in the development of student skills. These computer assisted aids helps in instant diagnosis and effective management planning for our students.
- All the documents are instantly uploaded into the server and they can be accessed in any department through the login portal. An important benefit of this the saving of time and money by avoiding printing the documents.
- The faculties are also provided access to online library resources.

File Description	Document
Upload any additional information	View Document
Provide link for webpage describing the ICT enabled tools for effective teaching-learning process	View Document

2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year)

Response: 7:1

2.3.3.1 Number of mentors

Response: 58

File Description	Document
Upload year wise, number of students enrolled and full time teachers on roll.	View Document
mentor/mentee ratio	View Document
Circulars pertaining to assigning mentors to mentees	View Document

2.4 Teacher Profile and Quality

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

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	View Document
List of the faculty members authenticated by the Head of HEI	View Document
Any additional information	View Document

2.4.2 Average percentage of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. during the last five years (consider only highest degree for count)

Response: 2.51

2.4.2.1 Number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
6	3	2	2	2

File Description	Document
List of number of full time teachers with Ph. D. / D.M. / M.Ch. / D.N.B Superspeciality / D.Sc. / D.Litt. and number of full time teachers for 5 years (Data Template)	View Document
Any additional information	View Document

2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)**Response:** 5.49**2.4.3.1 Total experience of full-time teachers**

Response: 527.21

File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	View Document
Any additional information	View Document

2.5 Evaluation Process and Reforms**2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode****Response:**

College is affiliated to Anna University, and hence, follows its rules and guidelines regarding the assessment and evaluation process of performance of students.

The same is communicated to the students.

The internal assessment is carried out in a systematic manner for theory courses, laboratory courses, seminars, summer internship and project.

Academic calendar is prepared at the beginning of each semester and is made available on the college website and notice-boards of the departments.

Thus, students know about the dates of class tests (CT), submission of assignments well in advance and hence, can plan accordingly.

The dates and schedule of internal assessment of laboratory courses, seminars, summer internship and project are displayed through the notices to the students well in advance.

For theory sessional assessment the question papers are prepared at the department level with reference to old question paper/question bank/book followed by faculty members.

Question paper is prepared by individual faculty/ faculty members teaching the same subject.

Quality of question papers are checked and final question paper is approved by concerned authority.

Assignments are allocated on weekly basis by faculty teaching the subject and are uploaded on the college portal.

Answer sheets are evaluated and checked answer sheets are shown to the students.

Sessional result analysis is discussed at HoD level.

A comparative evaluation of student's performance is carried out.

Three internal tests were conducted.

Examination schedules are made available on the college websites.

Class Assessment Test:

After Valuation, marks are displayed on dates mentioned in the academic calendar by faculty members. Assessment copies are shown to the students.

Some questions have specific remarks of the valuer for awarding less marks.

Sessional (Semester) Examination:

Valuation is done by the respective subject teacher within two days through centralised valuation system. Sample Answer sheets are moderated by external moderators.

Answer sheets are shown to all the students and answers are also discussed with the students. After satisfaction students put their signatures on the answer sheets. Some questions have specific remarks of the valuer regarding deduction of marks.

Practical Examination:

Evaluation is done with transparency based on different parameters like Teachers Assessment, Practical Records, Performance and Viva-Voce.

Assignments:

Assignments questions are discussed with students. The students submit two assignments.

Internal Assessment Marks:

Internal Assessment Marks which comprises teacher assessment, CAT-1, CAT-2, Assignments and sessional exam marks are conveyed to students.

For assessment of seminars, summer internship and project, faculty coordinator prepares a schedule of presentation of students in slots in consultation with the HoD and is communicated to students.

Students present their work or report to the coordinator via PPT mode and evaluated on the basis of various parameter set by respective coordinator.

For assessment of laboratory course an internal practical viva conducted by respective faculty member at the end of course.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.5.2 Mechanism to deal with internal/external examination related grievances is transparent, time-bound and efficient

Response:

A transparent, time-bound and efficient method is being followed in website in terms of dealing with internal examination related grievances. Various internal examinations are being performed throughout the semester. Some of them are- unit-test1, unit-test2, unit-test3, assignments, lab continuous evaluation, project evaluations, etc.

Mechanism of internal assessment

Schedule of Internal Assessment Test (IAT) & Sessional Examination and assignment is given in Academic calendar which is displayed well in advance before commencement of session. The course teachers display question bank in advance for IAT-I, IAT-II and IAT-III which is conducted for one hour as per academic Calendar. Evaluation method comprises of internal examinations held progressively during the semester and is designed to check and report the periodic performance of the student. All the records and attendance in internal Examinations, Question papers, valued answer sheets/copies, summary of marks sheets, are properly maintained by the teachers for academic monitoring.

Internal Assessments (Test 1, Test 2 and Test 3):

- Immediately, after the unit test, the solution of the test along with question wise marking scheme is displayed on notice board within an hour after the test to maintain transparency and uniformity in the assessment of the internal tests.
- The faculty evaluates the papers within a week of conduction of test.
- The evaluated answer sheets are shown to students in class and faculty undertakes individual grievances with a student on the paper if required by the student.
- At the end of the semester the average marks of both the unit-tests is calculated and verified with the students. If any discrepancies are reported by the students, then they are resolved by the faculty immediately.

Assignments

Faculty evaluates assignments based on the rubric which is also shared with the students. The rubric consists of criteria- timely submission, clarity, neatness, etc. The evaluated assignments are given back to students thus maintaining the transparency of the marks assigned and to resolve grievances is any.

Lab Experiments

The experiment performed in lab by the student is immediately evaluated by the faculty and the performance marks are assigned based on the lab rubric designed by the faculty. The lab rubric is given in the lab manual which is shared with the students well in advance before the lab is conducted. The lab submissions are taken in Learning Management System (LMS), e.g. Google classroom, and the marks given by the faculty are available to the students immediately, this providing a transparent way for students to reflect on their strengths and areas of improvements.

Project Evaluation

In a semester, three internal review evaluations (Review-1, Review-2, Review-3) of the project is conducted in front of the panel consisting of group of faculties. The rubric is designed for these two presentations having criteria- quality of problem formulation, literature analysis, presentation, team work, etc.

With these systems in place, very well exhibits transparency in the mechanism of dealing with grievances related to the internal assessment.

File Description	Document
Any additional information	View Document
Link for additional information	View Document

2.6 Student Performance and Learning Outcomes

2.6.1 Programme and course outcomes for all Programmes offered by the institution are stated and displayed on website and communicated to teachers and students.

Response:

J.K.K.Munirajah College of Technology has adopted to assess Outcome Based Education – POs, PSOs and COs. The dimensions of learning covered are: These are aligned to the vision, mission and goals of the college. They cover all aspects of student life at the college. These are dynamic and responsive to emerging areas of knowledge, world of work and needs of students. At the micro level, within the framework of the degree programme, each course of study defines its own unique set of learning outcomes that are tied to the curriculum.

Designing of POs, PSOs and COs:

- Program Outcomes (POs) are aligned with the model for UG courses given in the NAAC SSR Guidelines.
- Program Specific Outcomes (PSOs) – All the faculties of the departments came together, discussed and identified 2-4 program specific outcomes for each programme. This was presented in a common meeting of all faculty members and then approved
- Course Outcomes (Cos) – Faculty member/s who teach a particular course come together to finalise the course outcomes. Around 5-7 course outcomes are identified for each course.

Before the commencement of each semester, a course plan is prepared by all the subject teachers inclusive of course objectives, teaching methodology, intended learning outcomes, methods of assessment, projects and assignments planned, reference material and time frame. These are implemented without fail, ensuring intended transfer of knowledge to reap subsequent outcomes. Besides grades and marks, there are many awards and scholarships which acknowledge achievement of learning outcomes and motivate students toward higher benchmarks. Program outcomes, program specific outcomes and course outcomes of all the programs offered by the institution are communicated to both teachers and students as follows:

Methods adopted to communicate to teachers:

- Department meetings with Principal are held at the beginning of the semester to discuss the teaching plans and course outcomes specified for the courses .
- General staff meetings at the beginning of every semester are held to discuss at length the POs, PSOs and COs.
- PSOs and COs are also displayed on the college website for the perusal of all stakeholders.
- Evaluation and attainment of POs, PSOs and COs are reviewed in the department meetings with Principal at the end of every semester.

Methods adopted to communicate to students:

- POs, PSOs and COs are communicated to the students through college
- On the first day of a semester each faculty explains to the class his/her course plans where POs, PSOs and COs are explained to them and it is uploaded on to Google classroom for students to go through during the period of the course.
- At the beginning of every academic year, during the orientation programme, students are educated about it.
- From time to time, they are reminded by the mentors, HoDs and respective faculties.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	View Document

2.6.2 Attainment of programme outcomes and course outcomes are evaluated by the institution.

Response:

The process of attainment of COs, POs and PSOs starts from finalizing COs for each course of the program from first year to fourth year. The course outcomes given by Anna University are discussed by the concerned faculty members and COs are finalized using action verbs of learning levels.

- Then, a correlation is established between COs and POs in the scale of 1 to 3, 1 being the slight (low), 2 being moderate (medium) and 3 being substantial (high).
- A mapping matrix is prepared in this regard for every course in the program including the elective courses.
- The course outcomes and their mapping with POs are reviewed frequently by a committee of senior faculty members before they are finalized.
- Correlation between the course outcomes and program outcomes (POs) and Program Specific Outcomes (PSOs) is established for all courses of the program.
- The PSOs are in tune with the expectation of the professional bodies and the society.
- For each course, attainment level of all course outcomes is arrived at rigorously based on the student performance in the internal and external examinations.
- Similarly, the direct and indirect feedback at the end of course helps to assess the course outcome indirectly. Thus, the CO attainment is a combined result of direct and indirect assessment.
- This in turn helps in arriving at the PO assessment as each CO is mapped with certain POs and PSOs.

Programme Specific Outcomes (PSOs) and Course Outcomes (COs) include producing among students:

Direct methods display the student's knowledge and skills from their performance in the class/assignment test, internal assessment tests, assignments, semester examinations, laboratory assignments/practicals, mini projects etc. These methods provide a sampling of what students know and/or can do and provide strong evidence of student learning.

- Indirect methods such as course exit survey and alumni feedback to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills.

PO and PSO attainment:

- The direct attainment of PO and PSO is obtained by taking into consideration contribution of each course as in Program attainment matrix .
 - Direct Attainment of PO = Average of attainments of all CO contributing to the specific PO.
 - Overall attainment of PO = 80% attainment through the direct method + 20 % of PO attainment through indirect method.
- Overall attainment of PO = 80% PO direct + 20% PO indirect

Indirect attainment:

- Questionnaires are developed for stake holder.
- They are circulated among them for survey via direct communication, emails or post etc.
- The data received from them has been analyzed and used for attainment of POs.

File Description	Document
Upload any additional information	View Document

2.6.3 Average pass percentage of Students during last five years**Response:** 76.11**2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
96	114	99	128	195

2.6.3.2 Number of final year students who appeared for the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
97	118	191	227	254

File Description	Document
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	View Document
Upload any additional information	View Document
Paste link for the annual report	View Document

2.7 Student Satisfaction Survey**2.7.1 Online student satisfaction survey regarding teaching learning process****Response:**

File Description	Document
Upload database of all currently enrolled students (Data Template)	View Document
Upload any additional information	View Document

NAAC

Criterion 3 - Research, Innovations and Extension

3.1 Resource Mobilization for Research

3.1.1 Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)

Response: 46.95

3.1.1.1 Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
10.20	8.75	7.5	13.088	7.41

File Description	Document
List of endowments / projects with details of grants	View Document
e-copies of the grant award letters for sponsored research projects / endowments	View Document
Any additional information	View Document

3.1.2 Percentage of teachers recognized as research guides (latest completed academic year)

Response: 0

3.1.2.1 Number of teachers recognized as research guides

File Description	Document
Institutional data in prescribed format	View Document

3.1.3 Percentage of departments having Research projects funded by government and non government agencies during the last five years

Response: 46.67

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

2020-21	2019-20	2018-19	2017-18	2016-17
4	3	4	5	5

3.1.3.2 Number of departments offering academic programmes

2020-21	2019-20	2018-19	2017-18	2016-17
9	9	9	9	9

File Description	Document
Supporting document from Funding Agency	View Document
List of research projects and funding details	View Document
Any additional information	View Document

3.2 Innovation Ecosystem**3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge****Response:****Response:**

Our institution developed an ecosystem comprising Innovation, Incubation centres (to realize products from innovative ideas. The system provides necessary motivation for students and faculty to develop and launch solutions to address real world problems. The institution is planning for creation of Incubation centre for Innovation to facilitate research and development of new products within the college campus.

Innovation Centre:

JKK Munirajah College of Technology established Innovation Centre in 2021, laying the platform to integrate the students its Innovative practices under a single layer and to explore the learning experience of every student through specific learning methodologies bringing together students, researchers and industry experts to collaborate the curriculum. It has established an “Innovation cell” in the campus with a purpose of systematically fostering a culture of innovation in students.

The primary mandate of this council is to encourage, inspire and nurture students by supporting them to work with new ideas and prototype. We had initiated innovation centre for each departments and we are encouraging and guiding our students to do innovative minor/major projects to find solutions for complex engineering problems.

Students are guided through various seminars and workshops to understand the technology in a better way. The Innovation centre also intends to protect innovations using Intellectual Property Rights (IPR) in order to benefit the society and minimizing the risk of valuable ideas remains on the shelf.

SWAYAM- NPTEL LOCAL CHAPTER

JKK Munirajah College Technology is approved by NPTEL- (IIT MADRAS) as a local chapter for teach the NPTEL Courses for the benefit of students and faculty members Various Courses are conducted as per the Schedule provided by the NPTEL Portal and the students will appear for examination for certification.

RESEARCH METHODOLOGY

- Various seminars and webinars conducted for our faculty members to improvise their knowledge in research oriented activities.
- Research oriented webinars conducted for the students to identify their research area for doing major projects.

INTELLECTUAL PROPERTY RIGHTS

Patents Filed By Our Faculty Members:

1. IoT Based Mobile Application To Control Home Appliances Remotely Ensuring Safety And Cost Reduction applied by Dr.K.Sridharan and Dr.C.Saravanan
2. Improved Method For Energy Efficient Road Side Lamp Utilization applied by Dr.C.Saravanan
3. Construction and Adjustment of a Vibration Machine Based on a Complete Electric Drive applied by Dr.C.Saravanan.

File Description	Document
Upload any additional information	View Document

3.2.2 Number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship during the last five years

Response: 53

3.2.2.1 Total number of workshops/seminars conducted on Research Methodology, Intellectual Property Rights (IPR) and entrepreneurship year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
5	9	14	12	13

File Description	Document
Report of the event	View Document
List of workshops/seminars during last 5 years	View Document
Any additional information	View Document

3.3 Research Publications and Awards

3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years

Response: 0

3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years

3.3.1.2 Number of teachers recognized as guides during the last five years

File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	View Document

3.3.2 Number of research papers per teachers in the Journals notified on UGC website during the last five years

Response: 0.08

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

2020-21	2019-20	2018-19	2017-18	2016-17
3	7	0	0	2

File Description	Document
List of research papers by title, author, department, name and year of publication	View Document
Any additional information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description	Document
List books and chapters edited volumes/ books published	View Document

3.4 Extension Activities

3.4.1 Extension activities are carried out in the neighborhood community, sensitizing students to social issues, for their holistic development, and impact thereof during the last five years.

Response:

Response

The vision of our college NSS Unit is to build the youth with the mind and spirit to serve the society and work for the social upliftment of our nation as a movement. JKK Munirajah College of Technology participates in the college-neighbourhood community development by conducting regular activities with the students.

The NSS unit of our institution conducts many awareness programs such as Food Safety awareness, Blood Donation camp, Medical camp, Dengue awareness, etc. The Institution with the help of the NSS Unit conducts various activities for the students. The students cheerfully come forward and participate in the activities for the welfare of this society. Participation in the activities helps them to develop much needed societal skills.

Some of the activities our NSS unit has done for community development. JKK Munirajah College of Technology has made remarkable impact to the environment and all the neighbour community by setting up College-Neighbourhood-Community Network. Major emphasis is given on student engagement, holistic development, and service orientation of students contributing towards good citizenship. Through the Network of NSS Unit lead by a team of faculty members will engage in the several community development programmes sponsored by our institution. Lack of awareness has been observed among the villagers about hygienic and nutrition, cleanliness, illiteracy, prevailing diseases etc.,

JKK Munirajah College of Technology has adopted a village named kallipatti located near to our institution to sensitize the young generation of students on several social issues by engaging them in several social service activities. Some of the programs organized are Road safety awareness programs, Cleanliness awareness program, Gender sensitization drives/ rainwater harvesting/ blood donation camps etc. Cleanliness awareness programs / Swatch Bharat programs and awareness programs on open defecation have been organized in association and collaboration with local bodies and NGOs.

Along with student local citizens, members of Panchayat, social workers are actively participated in spreading the message to the villagers. As an extension of the above group of students visit each and every house in adopted villages to create awareness about the importance of cleanliness. Students who are involved in these programs get educated themselves and motivate their peers to take up such initiatives. Some of the programs organized such as mass awareness rallies, Speech by NSS cadets, poster making competitions, essay competition are carried out regularly. Gender sensitization drive was a great success as we received very good responses from the Villagers Rallies was organized and Road safety was conducted in collaboration with the peoples from outside the college campus. These activities help them to become good leaders as well as well moulded citizens.

File Description	Document
Upload any additional information	View Document

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

Response: 13

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

2020-21	2019-20	2018-19	2017-18	2016-17
2	4	2	2	3

File Description	Document
Number of awards for extension activities in last 5 year	View Document
e-copy of the award letters	View Document
Any additional information	View Document

3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC/Red cross/YRC etc., during the last five years (including Government initiated programs such as Swachh Bharat, Aids Awareness, Gender Issue, etc. and those organised in collaboration with industry, community and NGOs)

Response: 54

3.4.3.1 Number of extension and outreach Programmes conducted in collaboration with industry, community and Non- Government Organizations through NSS/ NCC/ Red Cross/ YRC etc., year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
7	19	11	7	10

File Description	Document
Reports of the event organized	View Document
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	View Document
Any additional information	View Document

3.4.4 Average percentage of students participating in extension activities at 3.4.3. above during last five years

Response: 60.43

3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs

awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
193	286	369	394	469

File Description	Document
Report of the event	View Document
Average percentage of students participating in extension activities with Govt or NGO etc	View Document
Any additional information	View Document

3.5 Collaboration**3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year****Response:** 72**3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
09	16	16	20	11

File Description	Document
e-copies of related Document	View Document
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	View Document
Any additional information	View Document

3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years**Response:** 48**3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other**

universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
23	4	0	11	10

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	View Document
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	View Document
Any additional information	View Document

Criterion 4 - Infrastructure and Learning Resources

4.1 Physical Facilities

4.1.1 The Institution has adequate infrastructure and physical facilities for teaching- learning. viz., classrooms, laboratories, computing equipment etc.

Response:

JKK Munirajah College of technology has developed a state of the art academic infrastructure in consultation with the management, principal and department heads. Every academic year, the infrastructure facilities are enhanced to cater the needs of additional intake, introduction of new programmes and technology advancements.

Adequacy, appropriateness and ease of access to academic infrastructure facilities are ensured and monitored by the department infrastructure coordinator. The College is located in peaceful environment housing 40 classrooms, 33 Laboratories, 1 Workshops, 2 Seminar halls, a COE office, a Centralized library with reading halls, 7 Department Libraries, a Placement cell. All rooms, library and labs are well furnished and equipped with good quality furniture and fixtures. In addition to that audio – video enabled class rooms also available. Class rooms are equipped with LCD projectors, black and white board. The entire campus is Wi-Fi enabled with 24-hour internet availability & major locations having AC facilities. Adequate faculty rooms, Principal room, Academic council board room and faculty meeting halls are available.

Residential Infrastructure

The college ensures availability of the residential infrastructure as per the norms laid by AICTE, UGC and Anna University. Total area of our institution is 250 acres and it's built up area is 6 acres. The college provides separate hostel facility for boys and girls with the capacity of 44 & 20 rooms respectively. The College provides separate infrastructure facilities for co-curricular and extra curricular activities like NSS, NCC, YRC, RRC and Various club activities. The College has the well-furnished and equipped Non Residential Students Canteen, Food Court, Store Room and a Clinic.

Library Infrastructure

The library is well stacked with more than 24,707 books & Core reference collections of various books related to Engineering. The library is constantly updated with the latest Magazines, National and International journals, Reference books and other material at regular periods.

The Institution has subscribed to DELNET, e-ShodhSindhu, K-HUB & J-Gate to access online Journal and E-Books. The library is equipped with Digital entry logging system and Online Public Access Catalogue (OPAC).

Sports and games Infrastructure

The college has adequate and excellent sports and games infrastructure facility for training the students to compete college level, Zonal level, District level, State level and National level sports and games.

Computing facilities

The computing facilities of the college cater to the needs of faculty and students to foster an effective TLP. There are sophisticated IT facilities like 377 desktop Computers, 7 Printers, 30 Multimedia Projectors, 100 Mbps of Internet Bandwidth and 1 secured Wi-Fi connectivity access points. A health computing ratio of nearly 1:1 computers to student against the prescribed ratio of 1:6 is being maintained. The digital library is equipped with 10 PCs which are connected with Wi-Fi and LAN for fast and seamless access of the Internet for streaming NPTEL lectures and using e-Resources for the benefit of its users.

Other Infrastructure

The college has students & staff mess, photo copying center, sports club room. The entire campus is Wi-Fi enabled with 24-hours internet availability in all rooms and hostel.

File Description	Document
Upload any additional information	View Document

4.1.2 The Institution has adequate facilities for cultural activities, sports, games (indoor, outdoor), gymnasium, yoga centre etc.**Response:**

JKK Munirajah College of Technology has adequate facilities to support sports, games and cultural activities. A wide and diversified range of extra curricular activities is conducted in the campus frequently. Sports and cultural committees ensure the frequency and quality of extra curricular activities.

Extra curricular activities:**Sports facilities:**

The institution is focused on enhancing Sports activities to make the students physically and mentally fit. Our students are trained in outdoor games like volleyball, cricket, basketball, throw ball and indoor games like chess, caroms, table tennis, and badminton. The Institution encourages the students to participate in various, intra and inter-collegiate level, university level, state level, and national level competitions. The physical director takes the utmost care in training the students. Students can practice and avail of the facilities even after the regular college timings. Sports facilities for outdoor and indoor games are easily accessible whenever required. The physical director ensures the health fitness of the students through the medical test before sending them for participation in inter-collegiate, intra-collegiate, state, and national level competitions.

The institute has a total area of 5 acres of playground which houses basketball, ball badminton, football, cricket, kho-kho, Kabaddi, handball, hockey, volleyball. Our students have bagged good winning records at intercollegiate and Zonal levels.

The institute is well equipped and spacious enough to conduct various indoor games like chess, carrom and

Table Tennis. The college has recently hosted State level Table Tennis Tournament.

Gym

For all-round development of the students, there is fully equipped gym - fitness zone containing all modern equipment. This area (comprising nearly 1500 sq. feet's) has a range of equipment's like dumb bells, Steering plates, Biceps Steering plates, skipping ropes. The other equipment includes double bar, Back Hyper Extension, Fore Arm Extension, Leverage squat/calf raise machine, Bicep cart, fore Arm extension, Pull up stand, Bench press, Abs machine etc.,

Cultural Activities

The institution boasts of huge, commodious and fully air conditioned Auditorium having a seating capacity of 700 people. It is used for conducting cultural events/activities and co- curricular activities and also having a seminar hall fully air conditioned seating capacity of 500 people used for conducting seminar, workshops, conferences. The college has a committee for conducting cultural activities. This committee along with staffs and students of the college organizes an annual cultural function. The aim of this cultural event is to provide a platform for students to showcase their talents and organizational skills. The students organize and participate in many cultural activities like group Dance, Skits, MIME, Debate, Face Painting, Drawing etc., during the Annual day. The college organizes Annual day function every year where the students participate in many cultural activities with zeal and enthusiasm. A separate orchestra room with musical instruments has been installed to motivate the students in cultural activities.

Yoga

The Yoga classes are conducted for students regularly through Physical Education hours. Yoga day is organized every year. All our faculties and students participate in this program. Students are encouraged to perform yoga during college cultural events.

File Description	Document
Upload any additional information	View Document

4.1.3 Percentage of classrooms and seminar halls with ICT- enabled facilities such as smart class, LMS, etc. (Data for the latest completed academic year)

Response: 71.43

4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 30

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	View Document
Upload any additional information	View Document

4.1.4 Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)

Response: 45.26

4.1.4.1 Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
108.28	214.90	171.78	112.65	144.73

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	View Document
Upload audited utilization statements	View Document
Upload any additional information	View Document

4.2 Library as a Learning Resource

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

Response:

JKK Munirajah College of Technology Central Library is established with an area of 3600 sq. ft. The seating capacity of library is 150 at a time. It functions with by providing various Text Books, Reference Books, e Books, National & International Journals, Newspapers & Magazines, E- Journals and Databases. It provides many services like as Circulation, Reading Room facility, Reprography, Digital Library service, CD, Web OPAC, Reference services, News paper Clipping Service CAS.

The library acts as one of the main learning source centers of the institution and provides services and facilities to meet the requirements of the institute's teaching, training, research and consultancy programs. The library is well stacked with more than 24,707 books related to Engineering and Technology. The library is constantly updated with the latest Magazines, National and International journals, Reference books and other materials at regular periods. Core reference collections of various books are also available for all students to upgrade their knowledge.

The Institution has subscribed to DELNET, J-Gate and K-hub to access online Journal and E-Books. DELNET is very helpful for accessing Journals and Magazines by the faculties and students. The library is equipped with Digital entry logging system and Online Public Access Catalogue (OPAC). OPAC provides remote access to view E-Journals and E-Books. The institution has subscribed to e-Shodh Sindhu, NDL and NPTEL which provides access to qualitative electronic resources including full texts, bibliography and factual databases.

Electronic Resource Management package for e-journals

The library subscribes to DELNET. A well-equipped Digital Library with 10 computers having Internet connectivity is accommodated in the Library for access to E-Resources. As the access facility to e journals is available the students can use the E-Resources from anywhere in the campus.

Salient features and services of the Central Library

- Circulation Section, Reference Section, Periodicals Section, Processing Section, Reprography Section, New Arrivals Display, Books Stack Area, Reading Area and Digital Library.
- Well-designed infrastructure with a reading capacity for 150 readers.
- Wi-Fi enabled.
- Document Delivery Service (Printing & Scanning)
- Digital Library has 10 computer systems with internet connection

Digital library

The Digital Library is an additional facility for the benefit of the students and faculty. Digital Library has 10 systems with internet connectivity to access the digital content like NPTEL Video Lectures taught by many IIT and IISC Professor, E-Books, Projects, PDF Notes, PPTs and Course Material Files.

Students can make use of all resources in the library like reference & text books, journals (hard copy and e-journals), e-books, GATE books, Handbooks, Instructional guides, CDs, NPTEL materials, higher education books etc.

Library is automated using Integrated Library Management System (ILMS): Yes

Name of the ILMS Software : Lips I Net

Nature of Automation (fully or partially) : Fully

Version : 5.0

Year of Automation : 2018

File Description	Document
Upload any additional information	View Document

4.2.2 The institution has subscription for the following e-resources

- 1.e-journals
- 2.e-ShodhSindhu
- 3.Shodhganga Membership
- 4.e-books
- 5.Databases
- 6.Remote access to e-resources

Response: A. Any 4 or more of the above

File Description	Document
Upload any additional information	View Document
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	View Document

4.2.3 Average annual expenditure for purchase of books/e-books and subscription to journals/e-journals during the last five years (INR in Lakhs)

Response: 13.11

4.2.3.1 Annual expenditure of purchase of books/e-books and subscription to journals/e- journals year wise during last five years (INR in Lakhs)

2020-21	2019-20	2018-19	2017-18	2016-17
16.66	11.05	13.20	12.60	12.02

File Description	Document
Details of annual expenditure for purchase of books/e-books and journals/e- journals during the last five years (Data Template)	View Document
Audited statements of accounts	View Document
Any additional information	View Document

4.2.4 Percentage per day usage of library by teachers and students (foot falls and login data for online access) during the last completed academic year

Response: 24.2

4.2.4.1 Number of teachers and students using library per day over last one year

Response: 121

File Description	Document
Details of library usage by teachers and students	View Document
Any additional information	View Document

4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities including Wi-Fi

Response:

The aim of JKK Munirajah College of Technology is to provide the cutting-edge facilities to its students so that they can utilize these resources to attain more prominent statures. To achieve this, the institute frequently updates its IT facilities. It constantly upgrades both software and hardware as per the prescribed norms and academic standards.

Following are the strategies for deploying upgrading IT infrastructure and associated facility

1. The entire campus is monitored by CCTV facility. The CCTVs installed at strategic places which assist to monitor campus activities. This facility ensures ragging free environment in college.
2. The college is facilitated with 377 computers that are accessible to the students as well as the staff for academic and co-curricular activities.
3. The required count of computers is maintained as per prescribed norms Absolute computers are replaced periodically. Computer systems are configured with I-3 processor, core-2 duo and dual core in all the labs Software is purchased and license is renewed as per syllabus required.
4. Bandwidth connectivity upgraded based on the needed. Wi-Fi connectivity provided on entire campus is upgraded periodically. IT enabled accessories are purchased as per requirement. Maintenance is carried out regularly.
5. The IT services are provided on 24/7 support for anytime anywhere access to knowledge and learning resources. LAN points are provided across the campus, computer labs and office spaces.
6. Wi-Fi network points deployed across the campus, facilitating students and faculty members to access the academic content anywhere on campus with 24/7 internet service in academic blocks and hostels.

Information Security:

JKK Munirajah College of Technology provides necessary and sufficient education and training to the user of the computer and networking resource, so that they can understand the importance information security in general and exercise appropriate care while handling confidential information in particular to achieve

these for example proxy server are configured in firewall to block spam messages and malicious attachments.

Network Security:

JKK Munirajah College of Technology follows appropriate safety and standard for protecting information against generic threats posed by computer hackers and intruders remote access to computing facility is limited to only authentic user through captive personal. Appropriate firmware settings are done and securing data transmission and restoring.

Risk Management:

The institute IT assets such as website, E-Resources, campus automation system is protected against vulnerability, threads and theft through Quickheal and K7 antivirus.

Open Sources Resources: For judicious utilization of fund as well as not to violate licensing agreement in use of advanced software tool. College emphasizes and use of free and open source software as per guidelines of AICTE and affiliating University.

LAN Facility:

Both Ethernet and Wi-Fi with broad band leased line internet facility are available in all the department and office building .Ethernet , LAN and 100 MBPS dedicated Internet facility have been upgraded Wi-Fi ALN and Broad band internet connectivity to provide Seamless transmission of Data and optimal remote access of computing resources . Up gradation to fiber optic LAN in the campus in agenda for future.

File Description	Document
Upload any additional information	View Document

4.3.2 Student - Computer ratio (Data for the latest completed academic year)

Response: 1:1

File Description	Document
Upload any additional information	View Document
Student – computer ratio	View Document

4.3.3 Bandwidth of internet connection in the Institution

Response: A. 750 MBPS

File Description	Document
Upload any additional Information	View Document
Details of available bandwidth of internet connection in the Institution	View Document

4.4 Maintenance of Campus Infrastructure

4.4.1 Average percentage of expenditure incurred on maintenance of infrastructure (physical and academic support facilities) excluding salary component during the last five years(INR in Lakhs)

Response: 22.36

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

2020-21	2019-20	2018-19	2017-18	2016-17
59.63	94.56	71.92	49.00	93.61

File Description	Document
Upload any additional information	View Document
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	View Document
Audited statements of accounts	View Document

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

Response:

The management of JKK Munirajah College of Technology has developed systems and procedures for maintaining support facilities both physical and educational. Under their supervision, technicians frequently check appropriate facilities.

LABORATORY:

The college laboratories are designed in compliance with the prescribed rules and regulations. Necessary facilities and supplies are offered to provide students with the best educational quality.

Procedure for installation of new machinery or software:

- The request is made on the basis of the requirement of each department.
- Quotations are compared and in order of preference they are selected and suggested to best suit. Also Purchase order is raised.
- Machinery or software is received by respective departments.
- Preferred location is identified for installation and computer specifications are identified for making the required software compatible.
- Installation is done in the lab area in the presence of the concerned lab in-charge.
- Demo is delivered by the vendor to the lab in-charge and lab technicians for proper utilization.
- The laboratory in-charges and laboratory technicians are literally carrying out the respective experiment following the demo and taking the necessary readings and running the app. This is performed in the presence of the Department Head to ensure proper operation of the procured equipment before it is used by the students.

- Lab-in-charges record in the respective registers the descriptions of consumable and non-consumable equipment. The same is correctly approved by the Principal after receiving approval from the HoD.

- The students conduct experiments with assistance and supervision from the lab-in-charges and laboratory technicians in their designated laboratories with regard to the time table.
- Registers of consumable and non-consumable materials are regularly updated.
- Regular cleaning of the machines is done by the support team in the presence of lab technicians. This cleaning is monitored by the lab technician concerned and is recorded in a check list.
- Fire Safety equipment is maintained in labs as precautionary measure.

Before the beginning of the academic year, a laboratory audit is carried out and a report is prepared on the requirement of new equipment, replacement of old equipment and updating of machines / software along with the requirement of consumables, non-consumables as per the university guidelines for conducting experiments. Regular inspection of machines is organized.

The following is displayed on the notice board of the lab.

- List of experiments
- List of equipment
- Timing of lab hours
- Lab in-charge name,
- lab technician's name
- Safety precautions
- Lab rules.

In case of breakdown of equipment, the same is recorded in the maintenance register duly attested by the HOD pending rectification.

LIBRARY:

The College librarian maintains the issue registers to monitor the book circulation among students and staffs, using book circulation register. Books stock register is properly maintained and auditing of books is performed annually. Library Is Automated Using Integrated Library Management System (AUTOLIBS used upto October 2019 and SOUL Software used w.e.f. November 2019) has been established with

facility to access and maintain the books easily in the rack. Every year library advisory committee is constituted to strengthen its activity. This committee allocates department wise budget for purchase of books, Periodicals and also conducts annual stock verification.

COMPUTER MAINTENANCE

The computer hardware and software, printers, photocopiers, WIFI, ICT Class rooms and LAN connectivity are supported by CSE department with system admin. If maintenance service identified is external, concern department head needs to submit the external maintenance/service requirement requisition letter to principal approval. Once the principal approved external service requirement, then concern external maintenance provider is contacted by concern heads or maintenance supervisor. Once External maintenance/service is completed, HOD/Supervisor needs to verify the acquired service with the help of technicians and then collect the bill from service provider, fill the cash voucher available in Administrative office and get approval from Administrative officer and principal then give it to the cashier to claim the bill amount.

CLASSROOMS

The environment of students, when they study, plays a pivotal role in their performance. It is therefore extremely necessary to provide them with a peaceful, comfortable and spacious environment.

- The ERP Software support and maintenance for student's attendance and details. Audio visual classrooms are offered in the campus to carry advanced lectures.
- Interactive classrooms are offered in the campus to carry the interactive lectures.
- Tutorial classrooms are offered in the campus to conduct special sessions for non-performers. The benches and windows are cleaned and mopping of the class rooms is done every day.

SPORTS

The college provides the students with the necessary facilities to perform sports activities. The Director of Physical Education shall guide the training and participation of students in various sports activities by the observer director of physical education and shall ensure that the sporting activities of the students and the conservation of the playgrounds are carried out smoothly. The Students are allowed to use and take sports materials notice to the Physical Director the specifics of the materials must be entered in the register. The concerned authority makes a note on return of the same in the register. In case of any damage observed, the same is recorded in the register pending further action. A first aid box is always available for the students in case of any emergency.

ELECTRICITY & WATER FACILITY:

The electricity related repairs and maintenance activity is carried out by the team of Electricians and the Water availability and there lasted works are taken care of by the maintenance department. The maintenance department is entrusted with there possibility of minimizing the wastage of water. The Department is also in the process of establishing the necessary infrastructure fore in water harvesting. As far as drinking water is concerned, comprehensive plans are in place for reverse osmosis and water treatment.

File Description	Document
Upload any additional information	View Document

NAAC

Criterion 5 - Student Support and Progression

5.1 Student Support

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

Response: 75.68

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

2020-21	2019-20	2018-19	2017-18	2016-17
370	349	405	430	519

File Description

Document

upload self attested letter with the list of students sanctioned scholarship

[View Document](#)

Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)

[View Document](#)

5.1.2 Average percentage of students benefitted by scholarships, freeships etc. provided by the institution / non- government agencies during the last five years

Response: 50.68

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

2020-21	2019-20	2018-19	2017-18	2016-17
243	265	274	269	326

File Description

Document

Upload any additional information

[View Document](#)

Number of students benefited by scholarships and freeships institution / non- government agencies in last 5 years (Date Template)

[View Document](#)

5.1.3 Capacity building and skills enhancement initiatives taken by the institution include the following

1. Soft skills
2. Language and communication skills
3. Life skills (Yoga, physical fitness, health and hygiene)
4. ICT/computing skills

Response: A. All of the above

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Details of capability building and skills enhancement initiatives (Data Template)	View Document
Any additional information	View Document
Link to Institutional website	View Document

5.1.4 Average percentage of students benefitted by guidance for competitive examinations and career counselling offered by the Institution during the last five years

Response: 60.76

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

2020-21	2019-20	2018-19	2017-18	2016-17
230	216	332	454	501

File Description	Document
Number of students benefitted by guidance for competitive examinations and career counselling during the last five years	View Document
Any additional information	View Document

5.1.5 The Institution has a transparent mechanism for timely redressal of student grievances including sexual harassment and ragging cases

1. Implementation of guidelines of statutory/regulatory bodies

2. Organisation wide awareness and undertakings on policies with zero tolerance
3. Mechanisms for submission of online/offline students' grievances
4. Timely redressal of the grievances through appropriate committees

Response: A. All of the above

File Description	Document
Upload any additional information	View Document
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	View Document
Details of student grievances including sexual harassment and ragging cases	View Document

5.2 Student Progression

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

Response: 56.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
27	60	114	178	161

File Description	Document
Upload any additional information	View Document
Self attested list of students placed	View Document
Details of student placement during the last five years (Data Template)	View Document

5.2.2 Average percentage of students progressing to higher education during the last five years

Response: 47.42

5.2.2.1 Number of outgoing student progression to higher education during last five years

Response: 46

File Description	Document
Upload supporting data for student/alumni	View Document
Details of student progression to higher education (Data Template)	View Document

5.2.3 Average percentage of students qualifying in state/national/ international level examinations during the last five years (eg: IIT-JAM/CLAT/ NET/SLET/GATE/ GMAT/CAT/GRE/ TOEFL/ Civil Services/State government examinations, etc.)

Response: 60

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	1	2

5.2.3.2 Number of students appearing in state/ national/ international level examinations (eg: JAM/CLAT/NET/ SLET/ GATE/ GMAT/CAT,GRE/ TOFEL/ Civil Services/ State government examinations) year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	1	1	2

File Description	Document
Upload supporting data for the same	View Document
Number of students qualifying in state/ national/ international level examinations during the last five years (Data Template)	View Document

5.3 Student Participation and Activities

5.3.1 Number of awards/medals won by students for outstanding performance in sports/cultural activities at inter-university/state/national / international level (award for a team event should be counted as one) during the last five years.

Response: 18

5.3.1.1 Number of awards/medals for outstanding performance in sports/cultural activities at university/state/national / international level (award for a team event should be counted as one) year-wise during the last five years.

2020-21	2019-20	2018-19	2017-18	2016-17
0	7	7	1	3

File Description	Document
Number of awards/medals for outstanding performance in sports/cultural activities at university/state/ national/international level during the last five year	View Document
e-copies of award letters and certificates	View Document

5.3.2 Institution facilitates students' representation and engagement in various administrative, co-curricular and extracurricular activities following duly established processes and norms (student council, students representation on various bodies)

Response:

The Institution creates a platform for the active participation of the students in the various academic and administrative bodies. It empowers the students to gain leadership qualities, understanding rules & regulations, and developing execution skills. The institute has active Student Clubs, Students Chapters, and Student Associations and is actively participating as well as organizing various activities related to academics, co-curricular and extra-curricular activities, with the guidance of faculty. The Institute also promotes participation of students on academic and administrative bodies. They are providing support to college-related academic/administrative work with the help of other students. They are actively involved in motivating the other students to participate in various activities conducted by the college. Students are encouraged to participate in co-curricular and extra-curricular activities in inter-college, inter-university, and National level competitions.

Students Club, Professional Society chapters

Students clubs: There are 18 clubs to reshape the hobbies of students. The clubs are photography club, plastic free club, painting club, athletics club, volley ball club, chess club, basketball club, throw ball club, cricket club, foot ball club, Mobile App, Agri Club, Social Media club, Dance Club, Music Club, Eco Club, Vehicle Club.

Representation on the administrative committees:

Student feedback on amenities: Facility Management Committee is in place to address the problems pertaining to classroom, infrastructure, library, food, water and hygiene. Under the guidance of Administrative Officer, one faculty and four students from each department to redress the students'

grievances. Women staff and girls student from each department students are there to redress the Girl students' grievances.

This cell maintains safety and security to the girl students, female staff members. Our Women Grievance redressal Cell stays alert all the time to prevent any sexual abuse towards the students and female workers. The members will look into the issues, gather the evidence and take necessary action against the guilty. We also focus on preventing this kind of harassment by using secret monitoring services, which keep a keen eye on the entire campus. Students communicate the problems, if any, to the faculty coordinator and subsequently necessary action is taken.

NSS: Institute has set up NSS to sensitize students towards societal issues and community Services.

Alumni Association: Alumni Association is in place to strengthen the relationship amongst alumni. Alumnus help in curriculum enrichment by providing their valuable feedback and many guide students on competitive exams and career guidance through guest lectures and one to one interaction during Alumni meets.

Anti-Ragging committee: Anti-ragging Committee to be nominated and headed by the Head of the Institution, and consisting of representatives of civil and police administration, Head of the departments, One student and one Parent are nominated as Member of Anti-Ragging committee. This facilitates to promotion of an ambiance conducive for JKKMCT to be a ragging-free campus.

Apart from the above the student representatives are included in IQAC, Canteen Committee, Hostel Committee, Training & Placement Committee, and journal paper publishing Committee, paper editing Committee, Conference Committee, workshop and seminar conducting Committee from each department.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

5.3.3 Average number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions)

Response: 34.4

5.3.3.1 Number of sports and cultural events/competitions in which students of the Institution participated year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
16	36	39	40	41

File Description	Document
Report of the event	View Document
Number of sports and cultural events/competitions in which students of the Institution participated during last five years (organised by the institution/other institutions (Data Template)	View Document

5.4 Alumni Engagement

5.4.1 There is a registered Alumni Association that contributes significantly to the development of the institution through financial and/or other support services

Response:

The JKKMCT Alumni Association aims to link the alumni to the institution, develop synergistic plans to support the institution and achieve its vision, and to enable the institute to add value to all its stakeholders. The Institute established alumni cell in 2012 to maintain a good linkage between institute and alumni.

The alumni association was registered in February 2021 with register no. SRG/Gobichettipalayam / 5/ 2021 dated 05.02.2021. The main objective is to enroll all alumni as members of the association and facilitating active participation of the alumnae in appropriate activities, events, and initiatives of the Institute. The alumni association helps in building a network of the alumni and helps in being in touch with the corporate world.

Every year Alumni meet will be hosted by the Alumni association and supported by the Management where the alumnus from different branches are invited to share their views and suggestions on the scope of their course and also to create awareness about the professional world. This paves an opportunity for the alumnus to meet and cherish their past experiences and moments.

Alumni meet will help new professionals or visit with people they have met before, to establish or renew friendships and acquaintances and Associate the Alumni in the developmental activities of the Department of Library .The Alumni Association provides an avenue for sharing their intellectual, career and professional experience not only with the teachers but also with the present students.

Contribution by Alumni:

Providing a forum to establish link between the alumni and faculty to accomplish interaction with past and present students of this Institute. Upgrading the existing facilities of the Institute and also to helping to improve the quality of education as per requirement of industry and society with the involvement of the alumni. Conducting academic meets such as conferences, workshops, seminars, webinars, symposium, lectures by eminent personalities for the Members as well as for the present students and/ faculty and staff of the Institute on various current subjects / topics of interest and relevance.

Organizing industrial trainings, internship programs, projects, employment opportunities and other resources and facilities for career advancement to the Members and the Student community in various companies / organizations / institutions of repute through the Alumni. Arranging expert lectures, refresher course, advanced courses, national and international conferences and debates in all branches of Engineering and Technology. Creating a conducive environment to the Alumni and the students of the Institute to undertake, conduct and/ or carry on scientific / Academic study and research in various fields of Engineering and Technology. Encouraging educational, research, cultural, fund raising, sports and such other activities as the Governing Body may deem fit in furtherance of the objects of the JKKMCT Alumni Association. Promoting entrepreneurship and novelty among the student community. Preparing, maintaining and continuously updating the information of the alumni.

Alumnus help in curriculum enrichment by providing their valuable feedback and many guide students on competitive exams and career guidance through guest lectures and one to one interaction during Alumni meets.

File Description	Document
Upload any additional information	View Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: A. ? 5 Lakhs

File Description	Document
Upload any additional information	View Document
Link for any additional information	View Document

Criterion 6 - Governance, Leadership and Management

6.1 Institutional Vision and Leadership

6.1.1 The governance of the institution is reflective of and in tune with the vision and mission of the institution

Response:

6.1.1 VISION AND MISSION

VISION

To provide a academic excellence in the fields of science, Engineering and Technology and to transmit moral values with the focus on the development of rural masses.

The vision of our College is educating the youth. The vision of the institution is to evolve through collective leadership into a centre of academic excellence which while retaining its regional roots is able to encompass and articulate global concerns and the wider social imperatives. It seeks to achieve a wholesome synergy between academic practices, social empathy, cultural proclivities and co-curricular responsibilities so that all stakeholders may benefit and students particularly, may develop to their fullest potential. The formal and informal arrangements in the institution to co-ordinate the academic and administrative planning and implementation reflects the institutions efforts in achieving its vision. As an educational institution this vision would involve contribution to the country through its role in ensuring student preparedness for future.

The dictum of this vision is:

Enter to learn, Drink the nectar of knowledge and fly out to serve for our nation.

MISSION

- Providing academic knowledge through high quality Education, Training and Research activities for the rural area students.
- To promote co and extra-curricular activities for over-all personality development, inter disciplinary leadership among the students.
- To achieve excellence in application-oriented Research in selected areas of technology to contribute for the development of the Nation.
- To develop the students ability and to facilitate lifelong learning creatively, effectively and

economic development for the betterment of rural areas.

- To develop responsible citizenship through awareness and acceptance of ethical values.

Institute has vision and mission which are futuristic in nature. The mission of our College is to serve the society at large, and students belonging to linguistic minority in particular with commitment, dedication and devotion. They satisfy the needs of society by providing quality education through leading-edge technology. Vision, mission and objectives of the Institute focus on the needs of society by providing quality education. The institution has branched out to become a place wherein education imparted is all encompassing, covering basic as well as specialized knowledge. The Institute believes in promoting a culture of delegation of powers through strategic policies. Faculty and staff are assigned with the roles and responsibility to work in a harmonious environment with complete transparency. IQAC has a well-developed process to ensure quality benchmarks of academic and administrative activities.

Institution's Tradition and Values

- Traditionally we are an institution which concentrates on academic discipline
- Imparting good education to students

Institutions Distinctive Characteristics

- An institute where enrolment of students is showing a steady increasing trend
- A motivated staff
- Students from the middle-class who are self-disciplined
- As an institution, we are conscientious towards our duties to the society

Addressing Needs of Society

- Equal treatment to all employees and students
- Education for All Inculcating discipline in the students
- Creating good citizens for the future.

Future

- Education for the Youth
- Education for the developing Future of our Country
- Free education for students from rural areas with weak financial background

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.1.2 The effective leadership is visible in various institutional practices such as decentralization and participative management

Response:

6.1.2 - Decentralisation and Participative Management

The Institution follows the Professional Management approach in managing the Institutions. The Professional Management aims at implementing the concept of innovativeness in managing the academic and administrative matters. The Institutions always believe in the practices of decentralisation and participative management. Practice of Decentralisation is having own significance in the management. It reflects the policy decision making, planning and administration, and office management. Management and Administration is responsible for quality initiative to promote education to all sections. The Institutions enhance the quality at various levels - Management, College Development Committee, Governing Council, Principal, Vice-Principal, IQAC Committee, NAAC Committee, Various Committees, Academic Staff Welfare, Administrative and Non-teaching Staff, NCC, NSS, all the stakeholders involve in the decentralisation and participative management all are working together for efficient functioning of the Institutions.

Management:

The Institution promotes a culture of decentralisation and participative management involving all types of stakeholders in the process of decision making. The management always believes in decentralisation and participative management. The management endeavours best substantial independence to the Institutions in all area of decision making process.

Administration:

Administration is the backbone of the Institution. Institution firmly believes to provide quality education to the society. The College administration plays an integral role, leading and supporting the development and implementation of policies, programs, and initiative that are associated with the vision and mission of the college. The administration ensures the smooth functioning in all the areas like Admissions, Account and Finance, Record Keeping, Evaluation and Supervision and Maintenance.

Faculty Members:

Faculties maintain the healthy relationship with students, faculties, and community. The faculties execute the policies and programs accurately and constructively. The College faculties represent the ethics and attend the professional ethics in the education.

Departments:

The Primary role of the department is to provide the academic excellence in all activities. The Head of the Department's perform their role and responsibilities initiated and also publish the departmental magazine or working paper in consultation with his/her departmental colleagues.

Non Teaching Staff:

In the administration non teaching staff plays crucial role in managing the day-to-day work and accomplish operational and strategic objectives.

Hierarchy of the Committee:

All the Committees are headed by the Chairperson of the committee who is nominated by the members of the committee. Academic Calendar is meticulously planned and prepared in advance by the Academic Committee and ensures the proper implementation of the academic calendar. Heads of the department ensure the functioning of the departmental activities. Faculty members ensure academic activities. Faculties conduct the lecture, practical, attendance, examination and result and provide the feedback for the further improvements.

Outcome:

The Management of the Institution conducts the regular meets and discuss the issue and challenge with developmental aspect of the institute. Thus, Management of the Institution encourages the teachers, students and non -teaching staff, alumni and co-ordinators to share their ideas, opinions and suggestions through the proper channel. The input received from various committees and feedback analysis is considered for the future decision making.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.2 Strategy Development and Deployment

6.2.1 The institutional Strategic / Perspective plan is effectively deployed

Response:

6.2.1 Strategic Planning & Deployment

Introduction

For any institute to grow and develop, it should have a strategic planning system in place. Strategic planning is an organization's process of defining its strategy, or direction, and making decisions on

allocating its resources to pursue this strategy. It may also extend to control mechanisms for guiding the implementation of the strategy.

The long term plans have been laid down in the strategic plan in consultation with Department committees, joint workshops of senior professors for strategy formulation. J K K Munirajah College of technology will sustain its excellence and distinctiveness by following a strategic plan that is built upon six sub areas namely

1. Academic Process
2. Employability
3. Industry Connect
4. Self-Learning
5. Research activities
6. Personality development

JKKMCT Five Year Strategic Planning aims towards reaching the following milestones for which the action plans in the previously mentioned sub areas are aptly mapped to following activities which are planned for effective implementation and monitoring are detailed:

Excelling in Teaching Learning Process

Empowering students in PRIDE activities

Enhancing research capacities and Outcomes

Enabling Inclusive and sustainable growth

Extending collaborations and capacity building efforts

Expanding opportunities for social services

Mile stones

- University Status
- Starting Integrated Programmes
- Enhancing Research Capabilities and Outcomes
- Strengthening collaboration with Industry in Research, Consultancy, Training & Internships
- To improve Core Placements
- UG in Emerging Areas & PG in Niche Areas

- Enhanced Community Engagement
- Faculty Competency Building in areas of New Age Technologies & Research
- Increasing Industry Linkage
- Patent Commercialization

Excelling in Teaching Learning Process

Google Classroom

This Google service allows teachers to organize their class, interact with students, grade their work, check on their progress, and much more. Because it's available on smart devices and only requires a Google account, Googleclassroom brings in a certain amount of flexibility to both teacher and students alike.

Internship

An **internship** is a period of **work experience** offered by an organization for a limited period of time.

At the end of the fifth semester final year students go for internship compulsory to learn practical knowledge to their field.

Faculty development programme

The Faculty Development Programme (FDP) intends to provide financial assistance to facilitate up-gradation of knowledge, skill and intends to provide opportunities for induction training to teachers employed in disciplines Engineering & Technology. Every year we conducting one week faculty development programme to our faculty members to enhance their knowledge

Assessments

In our institution assessment have been done periodically. Programs use assessment results **to inform decision making and to improve teaching and learning**. Results can also highlight successes such as the following: a better alignment of the curriculum with desired outcomes; evidence that students are meeting or exceeding learning expectations.

Enabling inclusive & sustainable institutional growth

Establishment of new UG in interdisciplinary emerging branches and PG in niche areas

Expanding career opportunities for our students

Strengthen institutional governance and leadership

Strengthening the role of our students as stakeholders

Strengthening alumni relations

File Description	Document
Upload any additional information	View Document
strategic Plan and deployment documents on the website	View Document
Paste link for additional information	View Document

6.2.2 The functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment and service rules, procedures, etc.

Response:

Administrative Setup:

With the hands-on experience of the management, the Institutional Management is designed in a scientific way with transparency to get the optimum results out of it. A hierarchical set up is established from top management to down the level clearly demarking the Duties, Responsibilities, Accountability and Authorities at every stage.

JKK Munirajah College of Technology has been established in 2008. It has a Governing body to monitor and achieving the vision and mission of the institution. It has an effective organizational structure which monitors and improves the institution.

Governing Body:

The Institution has a Governing Body. It is a Policy making body of the Institution and meets frequently and discusses the agenda prepared by the Principal. It reviews the performance of the institution and decisions taken in the previous meeting and also approves the policy decisions.

Governing Body Functions:

1. To ratify the decisions of the academic advisory committee.
2. Approval of new courses recommended by the academic advisory committee.
3. To appoint Principal, the teaching and non teaching staff on the recommendations of the selection committees constituted.
4. Scrutinizing and approving the budgetary proposals.
5. Suggesting and approving the student development programs.
6. Promoting industry institute partnership cell for student training and placement activities.

7. To monitor and evaluate the teaching programs in the institute and suggest remedial Measures.

8. To constitute committees, sub committees & standing committees for specific purpose delegating appropriate powers.

9. Fix the fees and other charges payable by the students of the institute on the recommendations of the Finance Committee.

The Institute has IQAC and the functions are given below:

IQAC Functions:

- IQAC is responsible for fixing quality parameters for various academic and
- Administrative activities.
- Monitoring the organization of class work and related academic activities.
- Conducting Internal Quality Audits periodically to verify the effectiveness of measures taken in reaching the quality parameters. Documenting various programs/academic activities leading to quality.
- Improvement and reviewing their effectiveness in quality improvement/ sustenance.

Various Committees of the Institution:

Functions and Responsibilities of Staff working committees in the Institute various committees are formed in the College for the smooth and efficient management of activities. It also gives the opportunity to the faculty to grow and develop in their extracurricular activity/field and administrative skills. The committees are constituted by the Principal in consultation with HODs /Convenors for one academic year or until new committees are constituted.

The outgoing Conveners/ In-charges of the committees are expected to hand over all the relevant documents/files to the new Conveners /In- charges in the presence of the Principal or three mentioned above. The procedure followed for constituting a committee is as follows:

- a) A notice is circulated among the faculty inviting their choice of preference of committee.
- b) For sufficient reasons the Principal along with the HOD may appoint faculty to various committees with the approval of the Director.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document
Link to Organogram of the Institution webpage	View Document

6.2.3 Implementation of e-governance in areas of operation

1. Administration
2. Finance and Accounts
3. Student Admission and Support
4. Examination

Response: A. All of the above

File Description	Document
Screen shots of user interfaces	View Document
ERP (Enterprise Resource Planning) Document	View Document
Details of implementation of e-governance in areas of operation, Administration etc	View Document
Any additional information	View Document

6.3 Faculty Empowerment Strategies

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

Response:

The institution gives importance and has effective welfare measures. Employee welfare means anything done for the comfort and (intellectual or social) improvement of the employees, over and above the salary paid. In simple words, it means “**the efforts to make life worth living for workmen**”. It includes various services, facilities and amenities provided to employees for their betterment. The Institution recognizes all its employees as the most valuable resource and provides a caring and supportive working environment to all staff which enables them to develop and optimize their full potential. Healthy, harmonious relation between employer and employees will be developed. However, members of staff are expected to contribute and participate effectively in achieving the college mission and vision.

Objectives

- To look after the needs of the staff to maintain their high morale
- To ensure favourable working environment for members of staff
- To coordinate for benevolent facilities for the members of staff
- To plan for general welfare activities for, teaching and administrative staff

- To provide platform to the staff for expressing their ideas.
- To felicitate outstanding achievements of staff members in various fields
- To develop co-operation and co-ordination among the staff
- To create opportunities for exchange of inter disciplinary knowledge
- To provide opportunities for updating their knowledge
- To develop work environment, work culture in the campus.

Responsibilities

- Help staff members in times of illness and difficulties.
- See that the staff members uphold the Staff Code of Ethics and Rules and regulations framed.
- Represent the staff and forward cases of complaints and grievances of staff.
- Holding sports events for staff members.

Brief list of welfare measures:

- Pregnant ladies and lactating mothers are given necessary concessions in their day to day work and they are given flexible timings as per their requirements,
- Study leave for pursuing higher studies,
- Uniform is provided to Faculties
- Free medical camp for the staff
- Provident fund for all the employees who fall under the eligibility criteria as per Govt. norms
- To create and maintain safe, healthy and supportive environment for women.
- Free education for the children of the Employees
- Canteen Facility at subsidized rates
- No membership fee for availing facilities of Gym, Indoor games
- Management funded training programs for teaching staffs
- Women empowerment helps in securing the rights of women in India thereby maintaining their social status in Society
- Women empowerment helps in reducing gender inequality in society
- It helps in reducing domestic violence and crimes against women

- The campus is vehicle-free from college entrance for both sessions and free

E-vehicle has been provided within the campus.

- Various kinds of scholarships are available on basis of merit, and for the underprivileged sections of the society.
- The Staff is encouraged to give suggestions and regular feedback to improve the welfare measures in the Institute.
- Salary Advance to needy staff members
- Arrangement of Personal loans from Bank
- Various leaves available to teaching and non-teaching staff are VL, CL, EL, ML and maternity leave for ladies staff.
- Doctor and Ambulance facility is available in our campus.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 40.83

6.3.2.1 Number of teachers provided with financial support to attend conferences/workshops and towards membership fee of professional bodies year wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
40	46	52	74	80

File Description	Document
Upload any additional information	View Document
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	View Document

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

Response: 14.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
06	16	17	15	20

File Description	Document
Upload any additional information	View Document
Reports of the Human Resource Development Centres (UGC ASC or other relevant centres)	View Document
Reports of Academic Staff College or similar centers	View Document
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	View Document

6.3.4 Average percentage of teachers undergoing online/ face-to-face Faculty Development Programmes (FDP)during the last five years (Professional Development Programmes, Orientation / Induction Programmes, Refresher Course, Short Term Course).

Response: 42.48

6.3.4.1 Total number of teachers attending professional development Programmes viz., Orientation / Induction Programme, Refresher Course, Short Term Course year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
54	42	50	68	84

File Description	Document
Upload any additional information	View Document
IQAC report summary	View Document
Details of teachers attending professional development programmes during the last five years	View Document

6.3.5 Institutions Performance Appraisal System for teaching and non-teaching staff

Response:

PERFORMANCE APPRAISAL FOR TEACHING STAFF

The faculty appraisal is undertaken with following objectives:

- To assist teachers in their professional development and career planning.
- To assist teachers to reflect about their potential and to carry out their duties more effectively

- To provide judgment to support promotions, demotions, transfers, confirmation or termination.
- To provide feedback to staff about their behavior, attitudes, skills or subject expertise
- To recognize the achievements of teachers and help them to identify ways of improving their knowledge, skills, attitudes and ultimately performance.
- To improve the quality of education for students

Self appraisal is an annual performance review system where faculty members evaluate their performance. The self appraisal defines the objectives and performance standards expected from the faculty members.

The Structure of self appraisal for Faculty members consists of the following parameters

Teaching, Learning and Evaluation components

Research and Consultancy

Students Progression

Department and Institution Development

Awards and Recognition

Any other important information to be conveyed

Teaching Learning and Evaluation components consist of the following categories.

Result analysis Pass percentage and

Class average Participation in FDP

Seminars and workshops organizing FDP

THE PROCESS OF FACULTY APPRAISAL

- a) The performance of each faculty member is assessed according to the Annual Self Assessment for the Performance Based Appraisal System.
- b) The institute undertakes a wide range of activities besides academics, for which faculty members are assigned additional duties and responsibilities, which are mostly voluntary. The Institute accords appropriate weight age for these contributions in their overall assessment.
- c) The faculty members are informed well in advance of their due promotion.

It comprises, a self assessment based on the work load, quality of work, qualifications, pass percentage of the classes the incumbent has taught, research publications etc. Another section of assessment is done by the HOD, mostly relying on the faculty's regularity, returning the test sheets in time, his research

activities, his attitude to work as a team etc.

PERFORMANCE APPRAISAL FOR NON-TEACHING STAFF

All non-teaching staff is also assessed through annual confidential reports and annual performance appraisal.

The various parameters for staff members are assessed under different categories i.e. Character and Habits, Departmental Abilities, Capacity to do hard work, Discipline, Reliability, Relations Co-operation with superiors, subordinates, colleagues, students and public, Power of Drafting (where applicable), efficient organization of documents (in case of Ministerial Staff) and technical abilities (in case of workshop staff).

The comprehensive Annual Confidential Report. Each one of them is graded on a seven-point scale, i.e., Excellent, Very Good, Good, Highly Satisfactory, Satisfactory, Average and Poor. The overall assessment is based on the cumulative grade by the Reporting Officer/HoD, which is then forwarded to the Director by the forwarding officer.

On satisfactory performance all employees are granted promotions and financial up gradation under the ACP Scheme.

The Annual Confidential Report and the Performance Appraisal System has significantly helped in the evaluation of the performance of employees, in motivating them, analyzing their strengths and weaknesses and ensuring better performance

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.4 Financial Management and Resource Mobilization

6.4.1 Institution conducts internal and external financial audits regularly

Response:

6.4.1 Institution conducts external financial audits regularly

JKKMCT has well defined mechanism to monitor effective and efficient use of available financial resources. The Institute has a system of internal and external audit. Internal audit may evaluate on improve the effectiveness of risk management and governance processes in the institutions. On the other hand an external audit is carried out by independent auditor in accordance with the law. The institution follows a well defined financial policy for effective and optimal utilization of financial resources for academic and administrative purpose. The budget is prepared well in advanced by taking into consideration the financial requirement of every department. Qualified Internal Auditor have been appointed and a team of staff under them do a thorough check and verification of all vouchers of the transactions that are carried out in each

financial. In the institute, both internal and external audits are conducted regularly.

Internal Audit:

Our society has maintained a very transparent financial system in the institutions. There are well defined processes for sanction of budget to expenditure.

An internal approval system for all expenses is in place. Accordingly bill/voucher is recommended by the Head of the Department and approved by the Principal and Honorary Secretary of **JKKMCT**. All the bills/vouchers are audited by an Internal Auditor on a routine basis. Proper record of all the expenses is maintained by the accounts department.

External Audit:

An external auditor appointed by the society, executes the statutory audit. Statutory financial audit is conducted in two sessions, one in the month of October/November for the period of April to September and second in the month of April /May for the period of October to March. Finalization of the account is completed in June/July and audited statements are prepared in June/July duly signed by the principal, and chartered accountant. Then audited report is submitted by chartered accountant.

Every year by the end of the financial year, the concern external audit verifies all the documents of budget, allotment and utilization and prepares the required financial documents to be submitted to the management and to the respective government agencies. Apart from that they prepare the financial statements for the submission of IT returns.

Besides these, the Admission and Fee Regulatory Committee by the state government goes through the audited statement thoroughly with the help of competent auditors and the fees is fixed based on the expenses incurred by the institution after a personal interview with the management and the principal.

At the beginning of the financial year the draft budget is prepared and put up before the Finance/Budget Committee. After that it is placed in front of CAC before it is placed in front of the Governing Body for approval. Apart from the student fund utilization and revenue and contingency expenditure, emphasis is given for utilization of the development fund on infrastructure development. It may be noted that the state government pay the fees (through reimbursement) to all eligible students admitted into the college.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
0	0	0	0	0

File Description**Document**

Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years

[View Document](#)

6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources**Response:**

The institute has a well-defined financial policy which ensures effective and optimal utilization of finances for academic, administrative and developmental activities which help to implement the institute's vision and mission.

We have a dedicated strong financial team in place, which will organize optimum effective utilization of funds. Financial Planning is prepared well in advance for the organization with efficient Budgeting involving the various Academic Departments and Administrative Sections of the Institute. Every year we prepare a budget which involves projected revenue and general expenditure and capital expenditure so that we can manage the funds effectively and planning well in advance. While preparing the budget we will consider the Head of the department requirements which include co-curricular and extracurricular activities in the annual budget. After reviewing of the budget by Principal, the final consolidated budget is forwarded to the Management for approval. Institutions should put in place clearly identifiable structures and arrangements with primary responsibility for resource mobilization for the systematic implementation of the resource mobilization strategy/policy, monitoring and regular updates. The existence of the structure in place vary from one entity to another. Organizations which have large portions of their revenue coming from voluntary contributions have separate structures for dealing with the private sector, as they have realized that the skills needed are different from those required for the member States.

The activities that need recurring fund and those that require instant funding shall be identified and grouped separately. Academic activities that directly generate revenue shall be prioritized among the academic activities of the university. Innovative strategies shall be employed to the benefit of identifying and mobilizing funds. The academic community shall be encouraged to come with their suggestions on mobilizing the funds and its utilization for the academic activities.

The Institution has a transparent and well planned financial management system in which Government and Management are the main sources of funds. The Resource mobilization policy focuses on achieving the

goals and target of the institution ensuring accountability and transparency. Funds are provided to meet the infrastructure requirement of the institution.

The management provides financial supports to seminars/workshops/expert talks/FDP.

The institute is being run with self sufficient funds by generating the cash inflow from tuition fee from students and other miscellaneous incomes. In case of shortage of funds during the expansion or renovation of buildings, the management always supports by providing required finance and ensures the amount is paid back in certain period based on mutual understanding. We have different purchase committees in place which ensures that the funds are monitored and utilized in an effective manner. The management will review the financial activities through scrutiny of budgets Versus actual in every quarter which will ensure whether the finance utilization is going in correct direction or else management recommends for alternate strategies.

We have different institute level committees for mobilization of funds and the optimal utilization of resources:

- Admin Committee
- Academic Committee
- Mess Committee
- Repair and Maintenance Committee
- Transport Committee
- Electrical Maintenance & Disaster Management Committee

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5 Internal Quality Assurance System

6.5.1 Internal Quality Assurance Cell (IQAC) has contributed significantly for institutionalizing the quality assurance strategies and processes

Response:

INTERNAL QUALITY ASSURANCE CELL (IQAC)

The establishment of IQAC cell is a major step in pushing long-term quality standards IQAC in any institution is a significant administrative body that is responsible for all quality matters it is the prime responsibility of IQAC to initiate plan and supervise various activities that are necessary to increase the quality of education in our college (JKKMCT). The role of IQAC in our college is maintaining quality standards in teaching, learning and evaluation becomes the exact status and functioning of IQAC and its outcome. The Indian higher education system is on the brink of great transformations to cope with global competence.

Two best practices institutionalized as a result of IQAC initiatives

PRACTICE - I

ENHANCING STUDENT ORIENTED TRAINING

OBJECTIVES OF THE PRACTICE

There are many challenges and also opportunities for educational institutes like other sectors. Our institution has adopted best practices to make the best use of these opportunities and counter the challenges. Best practices try to keep people from continually reinventing the wheel. Best practices actually are for some endeavor but it is almost always worth the research time by the time saved and the betterment of end result. It vary from something as simple as making several sets of plans for a construction project to a software project using an iterative development process, quality control, requirements management, and change control.

THE PRACTICE

The followings are the best practices followed in the institute:

- Compulsory In-plant Training for students
- Industrial Tour for students
- Mentoring Scheme
- Visit of Faculty to industries
- Soft Skills Program for Third and Final year students

PRACTICE – II

MENTORING SYSTEM

OBJECTIVES OF THE PRACTICE

There are many challenges students who faced during their educational programme. Our institution has adopted best practices to make the best use of these opportunities and counter the challenges. Our main objective of mentor scheme is to minimize dropouts through personal counseling. Our Institution offers mentoring programs to help students acclimate and grow with support from the guidance of staffs members. Mentorship programs can help incoming students adjust better to the new lifestyle of being a college student. Mentorship programs also provide students with resources and networking opportunities for when they graduate and enter the workforce.

Student-mentorship has the following aims:

- To enhance teacher-student contact hours
- To enhance students' academic performance and attendance
- To minimize student drop-out rates
- To identify and understand the status of slow learners and encourage advanced learners
- To render equitable service to students

A Mentoring Format with Guidelines is prepared by our college to ensure uniformity.

- Mentors maintain and update the Mentoring Format which contains space for entering particulars and performance of students (internal marks, monthly attendance records, etc.)
- After collecting all necessary information, Mentors are expected to offer guidance and counseling, as and when required.
- It is the practice of Mentors to meet students individually or in groups.
- In isolated cases parents are called for counseling/special meetings with the Principal at the suggestion of the Mentor.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.2 The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms and recorded the incremental improvement in various activities (For first cycle - Incremental improvements made for the preceding five years with regard to quality For second and subsequent cycles - Incremental improvements made for the preceding five years with regard to quality and post accreditation quality initiatives)

Response:

The institution reviews its teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals through IQAC set up as per norms IQAC being the central body within the College monitors and reviews the teaching-learning process regularly. It has designed a structured feedback form on teacher's performance, curriculum and infrastructure. Based on these feedbacks various innovative activities and reforms were introduced. The two examples based on feedback implemented are:

- 1) Enhanced ICT facilities
- 2) Introduction of CBCS

Enhanced ICT facilities to meet the growing need of global knowledge requirement the institution motivated the faculty to adopt ICT enabled teaching methodology. Teachers and support staff are encouraged to participate in ICT training and Orientation programmes. Computer Science department arranged special talks and lectures on various topics to equip the students and the faculty about the innovations and paradigm shifts in their respective fields.

The college organized the following programmes to enhance ICT usage:

“Teaching and learning in the 21st Century-Student centric approach” one day orientation programme

for teachers.

One day workshop conducted for teachers and students

Department wise smart classrooms are established.

Departments are provided computer – printer with internet facility.

All PG departments have ICT enabled classrooms and shortly the facility will be extended to UG programmes.

A proposal has been sent to the Management to introduce Smart Campus.

Choice Based Credit System

To provide opportunities for the overall development and to meet ever increasing competition of the global market the institution introduced Choice Based Credit System to PG courses from the academic year 2010. This academic flexibility provided ample employment opportunities to the students. Following the foot-steps and success of PG departments CBCS with CAGP was introduced to UG from the academic year 2017 – 18.

The College provides a good number of combinations and choice of subjects. In CBCS the UG students can choose three discipline specific courses offered by the college along with any two preferred languages. The credit fixed for all programmes in all engineering disciplines .The CBCS provides choice for students to select from the prescribed courses (Humanities and Social Sciences, Basic Sciences, Engineering Sciences, Professional Core, Professional Electives, Open Electives and Enhanced Employability Courses).

Under the CBCS, the requirement for awarding a degree or certificate is prescribed in terms of number of credits to be completed by the students.

The Principal of the College / Institution who is responsible for all the academic activities of that College / Institution and for implementation of relevant rules of this Regulation.

Learning outcome

Feedback from students shows that they are happy at the introduction of CBCS as it provides them ample opportunity to enrich their knowledge. Learners can offer as many credit as they can cope up the pressure of the examination. This system also helped them to acquire need based skill in job market. Based on the good outcome, the institution has requested UGC to continue CBCS with CAGP to all UG programmes, and rectify the anomalies if any.

File Description	Document
Upload any additional information	View Document
Paste link for additional information	View Document

6.5.3 Quality assurance initiatives of the institution include:

- 1.Regular meeting of Internal Quality Assurance Cell (IQAC); Feedback collected, analysed and used for improvements**
- 2.Collaborative quality initiatives with other institution(s)**
- 3.Participation in NIRF**
- 4.any other quality audit recognized by state, national or international agencies (ISO Certification, NBA)**

Response: B. 3 of the above

File Description	Document
Upload e-copies of the accreditations and certifications	View Document
Upload details of Quality assurance initiatives of the institution	View Document
Upload any additional information	View Document
Paste web link of Annual reports of Institution	View Document

Criterion 7 - Institutional Values and Best Practices

7.1 Institutional Values and Social Responsibilities

7.1.1 Measures initiated by the Institution for the promotion of gender equity during the last five years.

Response:

Gender Equity

J.K.K.Munirajah college of Technology has constituted gender equity programs with its committee members, senior faculty members act as a head of the cell and supported by all the faculty members. The cell conducts meeting often and address the current issues and give guidelines to solve the issues. Gender equity programs are conducted for boys and girls. Gender equality, means sexual equality or equality of the sexes, is the state of equal ease of access to resources and opportunities regardless of gender. On a global scale, achieving gender equality also requires eliminating harmful practices against women and girls, including sex trafficking, wartime sexual violence, and other oppression tactics.

Benefits of conducting equity programs

- Attracting more girls and women to sport and physical activity enhances the revenue base and increases the market segment to which the sport appeals.
- Skilled women provide the organization with an important talent of administrators, coaches and officials.
- Changing the image of women in sport attracts public interest and private investment. In turn, more members are attracted to the organization.
- Taking the lead in promoting girls and women brings prestige and support to the organization.
- Working together, women and men can learn to build equal partnerships.
- Sport and physical activity can provide opportunities for girls to understand and respect their bodies which in turn help them to deal with health issues.

1.Safety and Security

- A team of security guards ensures the security of the students and staff members.
- Safety and security of the students are ensured by this workforce.
- Entire campus is covered with sufficient lighting during the night time arrangements.
- Transportation is provided for the needy in emergency.
- CCTV cameras are installed in all over the campus for monitoring purposes.
- Electricity Power backup is available in the campus.
- Fire extinguishers are available in every floor and Laboratory of our campus to extinguish or control fires under emergency.
- Suggestion Box are available in Every Department to fullfill the students needs.
- Grievance Redressal Committee and Women's Empowerment cell is available and provides a convenient platform.
- Our college bus is available for all Students
- Doctor visits the students regularly and ambulance vehicle available for emergency purpose.

2. Counseling

- Faculty members are assigned as Mentors for a group of 15 to 20 students. All the mentors maintain student's details.
- Mentors are monitoring and guiding their students continuously and counseling them to improve their attendance, Individual talents / skills etc.
- The students are always feel free to meet their mentor for any sort of guidance.
- Parents are timely informed through counselors.
- Parents' meeting is a part of mentoring system to make connectivity between mentors and parents to provide a healthy environment to the students both inside and outside of the campus.

3.Common Rooms

- Girl's common rooms are available inside the campus.'
- Purified drinking water facilities are provided in common rooms.
- For students' convenience rest rooms are provided in every floor.
- Equipped Multi Gym is provided for boys in the campus.

File Description	Document
Link for specific facilities provided for women in terms of: a. Safety and security b. Counselling c. Common Rooms d. Day care center for young children e. Any other relevant information	View Document
Link for annual gender sensitization action plan	View Document

7.1.2 The Institution has facilities for alternate sources of energy and energy conservation measures

- 1.Solar energy
- 2.Biogas plant
- 3.Wheeling to the Grid
- 4.Sensor-based energy conservation
- 5.Use of LED bulbs/ power efficient equipment

Response: A. 4 or All of the above

File Description	Document
Geotagged Photographs	View Document
Any other relevant information	View Document

7.1.3 Describe the facilities in the Institution for the management of the following types of

degradable and non-degradable waste (within 500 words)

- **Solid waste management**
- **Liquid waste management**
- **Biomedical waste management**
- **E-waste management**
- **Waste recycling system**
- **Hazardous chemicals and radioactive waste management**

Response:

- **Solid waste management :**

The waste is generated by all sorts of routine activities carried out in the College that includes paper, plastics, glass, metals, foods, etc. The waste is segregated at each level and source. The administrative supervisor in each block ensures that the waste in each floor is collected at designated time intervals. The block safai workers in each floor collect, clean, segregate and compile the waste in the dustbins (Green and Blue) provided by the College at each floor.

Solid waste management the process of collection, treatment and disposal of solid materials which is taken care in the Institution. It also offers solutions for recycling items that do not belong to garbage or trash. To make the environment conducive for survival and retaining the natural setting, the following procedures are followed in the campus:

- Disposal of Biological waste
- Deployment of Dustbins at distinct spots
- Proper collection of droppings from the trees and plants and also conversion into manure for fertilization
- Food and vegetable wastes from mess and canteen are collected and fed to the animals inside and outside campus
- A common ETP is functioning to treat solid and liquid waste and produce energy/gas for cooking.

- **Liquid Waste Management :**

The liquid waste generated in the campus include Sewage, Laboratory, Laundry, Hostel and Canteen effluent waste. The above waste is treated through Sewage. The entire treated water is used for watering the gardens and lawns maintained in the campus. The sludge settled in the STP is removed and dried on drying beds and used as manure for the gardens. Our Institution has two sewage treatment plants (STP) to recycle the waste water.

- To ensure effective utilization of waste water, the lawns, saplings and trees in the campus are watered after recycling.
- Well constructed drainage system in the form of closed collection tanks prevails in our campus. The tanks are regularly cleaned to avoid stagnation of water and cleaning part of the process is given for outsourcing.
- There are two treatment plants (RO) to purify drinking water
- Effluent Treatment Plant is in place for effective treatment of liquid waste.

E-Waste Management:

Recycling electronics is an often challenging activity. This is because e-scrap is typically sophisticated and manufactured from diverse elements such as metals, plastics, and glass. While this process often varies, there is a general process. So, here is what you need to know all. Flip flops, memory chips, motherboard, compact discs, cartridges etc generated by electronic equipments such as Computers, Radio, TV, Phones, Printers, Fax and also Photocopy machines are recycled properly. Instead of buying a new machine buyback option is taken for technology upgradation. The e-waste generated from hardware which cannot be reused or recycled is being disposed off centrally through government authorized vendors.

Process of E-Waste

- Collecting and Transporting
- Shredding and Sorting
- Dust Extraction
- Magnetic Separation
- Water Separation
- Purification of Waste Stream
- Preparing Recycled Materials For Sale

File Description	Document
Any other relevant information	View Document
Link for Geotagged photographs of the facilities	View Document

7.1.4 Water conservation facilities available in the Institution:

1. Rain water harvesting
2. Borewell / Open well recharge
3. Construction of tanks and bunds
4. Waste water recycling
5. Maintenance of water bodies and distribution system in the campus

Response: A. Any 4 or all of the above

File Description	Document
Geotagged photographs / videos of the facilities	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.5 Green campus initiatives include:

1. Restricted entry of automobiles

2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. Landscaping with trees and plants

Response: Any 4 or All of the above

File Description	Document
Various policy documents / decisions circulated for implementation	View Document
Geotagged photos / videos of the facilities	View Document
Any other relevant documents	View Document
Link for any other relevant information	View Document

7.1.6 Quality audits on environment and energy regularly undertaken by the Institution and any awards received for such green campus initiatives:

1. Green audit
2. Energy audit
3. Environment audit
4. Clean and green campus recognitions / awards
5. Beyond the campus environmental promotion activities

Response: A. Any 4 or all of the above

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	View Document
Certification by the auditing agency	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.7 The Institution has disabled-friendly, barrier free environment

1. Built environment with ramps/lifts for easy access to classrooms.
2. Disabled-friendly washrooms
3. Signage including tactile path, lights, display boards and signposts
4. Assistive technology and facilities for persons with disabilities (Divyangjan) accessible website, screen-reading software, mechanized equipment
5. Provision for enquiry and information : Human assistance, reader, scribe, soft copies of reading material, screen reading

Response: A. Any 4 or all of the above

File Description	Document
Policy documents and information brochures on the support to be provided	View Document
Geotagged photographs / videos of the facilities	View Document
Details of the Software procured for providing the assistance	View Document
Any other relevant information	View Document
Link for any other relevant information	View Document

7.1.8 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and other diversities (within 500 words).

Response:

Institutional Initiatives

Efforts have been made by the institution in providing an inclusive environment which promoting harmony and tolerance among the students. Moreover our college provides equal opportunities to the students in various activities conducted throughout the session irrespective of their caste, creed, religion and region. We believe in unity in diversity that's why our students respect different religion, language and culture. We feel the college is our second home and all faculties like a family member.

Religious diversity

We greet and wish each other at different festivals and invite them to have a feast to get introduced with ones culture to have amicable relations and to maintain the religious, social and communal harmony. Similarly our students also celebrate the different festivals with joy and enthusiasm which help them to implant the social and religious harmony. The diversity in India is unique. Being a large country with large population. India presents endless varieties of physical features and cultural patterns. It is the land of many languages it is only in India people professes all the major religions of the world. Let us together join our mental forces in strength for the benefit of humanity .

Communal and cultural diversity

Onam is the annual harvest festival of the State. Though its origins are often attributed to Hindu Mythology, Onam is celebrated as the cultural festival of the state, irrespective of the religious barriers. Students and staff of the college celebrate Onam every year with great enthusiasm. Various cultural programmes, games and Onasadya (the traditional feast of Kerala) are organized by the different departments and the college union to maintain harmony among students from various communities.

Social harmony

To build a nation of youth who are noble in their attitude and morally responsible, the college organizes and conducted several activities to build and promote an environment for ethical, cultural, and spiritual values among the students and staff. To develop emotional and religious feelings among the students and the faculty, commemorative days are celebrated on the campus with the initiative and support of the management for not only recreation and amusement but also to generate the feeling of oneness and social harmony.

Other diversities

The college and its teacher and staff jointly celebrate the cultural and regional festivals, like New-year's day, Fresher Party ,teacher's day, orientation and farewell program, Induction program, rally, oath, plantation, Youth day, Women's day, Yoga day, festivals like Diwali Mela celebration, Holi Milan celebration, New Year celebration, Lohri celebrations, etc. religious ritual activities are performed in the campus. Motivational lectures of eminent persons of the field are arranged for all-round development of the students for their personality development and to make them responsible citizens following the national values of social and communal harmony and national integration. Besides academic and cultural activities, we have built up many strong infrastructures for a variety of sports activities for the physical development of the students.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	View Document

7.1.9 Sensitization of students and employees of the Institution to the constitutional obligations: values, rights, duties and responsibilities of citizens (within 500 words).

Response:

Values, Rights, Duties and Responsibilities Citizens

Our Institute J K K Munirajah College of Technology is affiliated to Anna University, Chennai. We offer GE6351 - Environmental science and engineering and GE6075 - Professional Ethics in Engineering for the following departments (ECE, EEE, CIVIL, MECH, AUTO & CSE) through which we enhance the Sensitization of students and adhere the constitutional obligations.

A good citizen is the one who is helpful and broad minded. He stays calm and doesn't make others harder. It is the responsibility of every person to keep clean. He helps others in every way possible. He remains nice and fair to his neighbors. A good citizen is not a mischief maker. Do your duty and let the people know about their duty. (Specially in traffic, give way to the ambulances).

It is the duty of citizens to help the administration in the maintenance of law and order; the primary function of the State. The law imposes on citizens the obligation to inform the authorities if an offence has

been committed or is likely to be committed and to render all possible assistance in the detection of crime.

Environmental science and engineering are young professions compared to many other disciplines in the physical and natural sciences and engineering. In a span of just a few decades, advances and new environmental applications of science, engineering, and their associated technologies have coalesced into a whole new way to see the world.

The following programme were conducted to enhance the values, rights, duties and responsibilities of students and faculty members.

- Youth awakening day was celebrated at JKKMCT on 15th October, 2019 with participation of our college students and faculty members.
- On the occasion of the 70th anniversary on 26th Nov 2019 marking the adoption of the Constitution of India, a program was organized by Department of MBA for creating awareness among the students regarding the fundamental duties as put forth by the Indian Constitution.
- The leadership quality of a great personality can be understood from the above quote. Also to understand the teachings of the great personality a session was conducted at JKKMCT on Leadership of Mahatma Gandhi by our honorable chief guest, MR. EL.Praveen Kirubharan, on 3rd October 2019.
- Independence Day celebration was conducted by our college on 15 Aug 2019 at JKKMCT Block Front Lawn, respectively.
- Republic Day was celebrated on 26 Jan 2019 at JKKMCT, Block Front Lawn, respectively. Respected Principal & HOD'S enlightened the students on inculcating the values of past & learning from the great old freedom fighters.
- To honor Swami Vivekananda, National Youth Day is celebrated every year on January 12 since 1985. The Government felt that the philosophy of Vivekananda and his ideals are a great source of inspiration for the Indian youth.
- Tree-planting is the process of transplanting tree seedlings generally for forestry, land reclamation or landscaping purpose. Trees contribute to their environment over long periods of time by providing oxygen, improving air quality, climate amelioration, conserving water, preserving soil, and supporting wildlife.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	View Document
Link for any other relevant information	View Document

7.1.10 The Institution has a prescribed code of conduct for students, teachers, administrators and other staff and conducts periodic programmes in this regard.

1. The Code of Conduct is displayed on the website
2. There is a committee to monitor adherence to the Code of Conduct
3. Institution organizes professional ethics programmes for students, teachers, administrators and other staff
4. Annual awareness programmes on Code of Conduct are organized

Response: A. All of the above

File Description	Document
Details of the monitoring committee composition and minutes of the committee meeting number of programmes organized reports on the various programs etc in support of the claims	View Document
Code of ethics policy document	View Document
Any other relevant information	View Document

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals (within 500 words).

Response:

About Our Institution Commemorative Days, Events and Festivals

Our Institution has students from different parts of India. The Institution does encourage multicultural celebrations in the campus. Our students are on a make towards clean and better India. Indian great personality's life history's showing the young minds through the programmers conducted on these days. The main reason we celebrate festivals is because the majority of them are more or less religiously centered and thus we come to honor our religions. But festivals also give a sense of enjoyment, relaxation and offer the time needed to bond with family members whom we never really see. The celebrations will help student to have a good understanding about the culture, characteristics and purpose of celebration. So our college is concerned with great personality's anniversaries and festivals celebrated in front of student and teachers to make them service minded and relaxation. In this year also we conducted many programs and create awareness about Covid to our people. Our students also distributed facemask, sanitizer and ask them to take vaccine.

PROGRAM CONDUCTED BY OUR COLLEGE EVERY YEAR

- Every year we celebrate Poonam, on July.
- Every year our college conducted a plantation campaign.
- Our College has organized a "Prevention of Child Abuse-Awareness Rally".
- The 15th Aug, we celebrate the Independence Day on the view of national integration and preserve the rights of each and every individual.
- Spiritual Camp is arranged in the college campus.
- "Fit India Movement" was celebrated on 29th Aug.
- 5th September is celebrated as Teacher's day, which is the birthday of Sarvepalli Radhakrishnan to honor the great services of the teachers.

- September 15 is celebrated every year in the country since 1967 as “Engineers’ Day” to commemorate the birthday of the legendary engineer Sir Mohagundam Visvesvaraya.
- The National service scheme of JKKMCT organized a tree plantation programme every year in the college premises and also outside the college campus.
- The National service scheme and Mechanical Department of JKKMCT organized a Plastic awareness and Plastic collection programme in the college premises and our adopted village- Punjaithuraiyampalayam, Kallipatti, etc.
- Pongal, a celebration of farmers who pray for an abundant agricultural wealth was celebrated in our college every year.
- On behalf of “National Voters Day” our College NSS students has organized Voter awareness on 23rd January.
- We celebrate the Republic day with great honor on 26th Jan of every year.
- Our College organized a Blood awareness programme and Voluntary Blood donation Camp.
- Every year we celebrate Women’s day on 8th March.
- Our college celebrated Annual day on 13th March with various cultural programmes.
- On 15th October, our college celebrates our Bharat ratna Dr.A.P.J.Abdul kalam birthday as ‘Youth awakening day’.

SPECIAL AWARENESS PROGRAMS

- The special camp of Covid awareness was held at JKKMCT during 05th March 2021, to speak Covid awareness to our peoples.
- Our college conducted a Traffic Awareness Rally on 8th July 2019 to create awareness about traffic rules.

File Description	Document
Link for Annual report of the celebrations and commemorative events for the last five years	View Document
Link for Geotagged photographs of some of the events	View Document
Link for any other relevant information	View Document

7.2 Best Practices

7.2.1 Describe two best practices successfully implemented by the Institution as per NAAC format provided in the Manual.

Response:

OUR COLLEGE BEST PRACTICES

The steps that institutions need to enhance student success are not a secret. The broad access campuses that have moved the needle on retention and graduation rates have advanced along similar paths. In our institution we are continuously following best methods to enrich our college.

1. ENHANCING STUDENT ORIENTED TRAINING

- Best practices include innovations in Teaching-Learning process, interaction with industries and institutes.
- Industrial visit is compulsory in our institution for all students and faculty members.
- During every year industrial visit, students can able to understand their subject practically; this made them technically strong and effective.
- And also to equip our student learning process we are adopting many methods.

In-plant Training for students :-

- In-plant training is a most important part of students. In-plant training provides practical knowledge to the students and explain how the industry works.
- It is expose the students to actual working environment and enhance their knowledge and skill from what they have learned in the college.
- Students undergo training in various sectors of industries for two months after fourth and sixth semester.
- In the in plant training, students thoroughly observe the industrial practices and work.

Industrial Tour for students :-

Industrial visit has its own importance in a career of a student who is pursuing a professional degree. It is considered as a part of college curriculum, mainly seen in engineering/MBA courses. At the end of fifth semester, students go for industrial tour. Students observe the industrial practices. This exposure improved the learning ability of students.

- Industrial Visit brings clarity to important engineering concepts, as student's practical experience firsthand how these concepts are put into action.
- Industrial Visit Bridge the gap between classroom theoretical training and practical learning in a real-life environment.
- Industrial Visit brings clarity to important engineering concepts, as student's practical experience firsthand how these concepts are put into action.
- The students get to see the best practices opted by different companies for similar work.
- This gives students a platform to enhance their interpersonal skills.
- In order to acquire the knowledge of industrial practices, students could gain more knowledge about the career prospects of their respective subjects In order to acquire the knowledge of industrial practices; staffs could gain more knowledge about the career prospects of their subjects.

Soft Skills Program :-

- Due to the stiff competition during placement interviews, students have to perform well not only in technical interviews but also in personal interviews.
- Apart from technical knowledge acquired through the regular curriculum, students should also

exhibit the soft skills during campus interview and also during their career.

- Soft skills are important because they enable students to adjust to the frustrations and challenges they will encounter in their adult life, as well as the demands of work.
- Mastering soft skills help students learn, live and work better.
- Soft skills programme are conducted by experts for a week or more than that during first and second semester of third and final year. From this students gain knowledge about communication, problem solving and organization skill etc.

Communication :-

- Communicating complex technical solutions in a way that students understand is becoming increasingly important.
- So, practice delivering highly technical information in as simple a way as possible while keeping our student's perspective in mind.

Problem-Solving :-

- Problem-solving usually involves successfully considering the pros and cons of each solution and finding the path with the least risk involved.
- Interviewers often consider problem-solving skills during the recruitment process because they show how candidates deal with challenges.
- Problem-solving skills can also help projects run more smoothly as well as helping to improve the work overall.

Organisation :-

- In some situations, we can classify organizational skills as technical rather than soft.
- For example, good code needs to be well structured and organized. That said, there are also organizational skills we should improve that are non-technical.

Leadership :-

- A good definition of leadership as a soft skill is taking responsibility for leader and also for the people we work alongside.
- Remember, if any person doesn't have to be in a managerial position to be a leader.
- Leadership is also about things like keeping the right distance from a task. There are many engineering tasks that we will do alone.
- Writing code is a good example. Individuals can't complete large engineering projects alone, however. Instead, they require teams and, by extension, teamwork.
- As a result, teamwork is usually a non-negotiable soft skill in engineering.
- In other words, employers want you to be just as committed to successfully achieving team and company goals as you are for personal goals.

Adaptability :-

- With rapidly advancing technology, the reality of clients changing requirements, the increasing use of agile development techniques, and other factors, adaptability is an essential soft skill to improve.

- In fact, being willing and able to quickly adapt to situations is a skill highly valued by employers.

Creativity :-

- In engineering, creativity is about finding new ways of looking at things. By developing this valuable soft skill, we'll be able to,
- For Example, develop innovative products or project solutions.
- Creativity can also help you solve a problem or successfully deal with an unexpected situation.

Visit of Faculty to Industries :-

- Main aim industrial visit is to provide an exposure to students and faculty about practical working environment.
- They also provide students a good opportunity to gain full awareness about industrial practices.
- Faculty members visit the industries in every semester and observe the industrial practices.
- This updated knowledge of faculty member will be imparted to the students. While adopting these methods some obstacles we were facing initially.

2. MENTORING SYSTEM

- The Mentor Scheme is a unique opportunity for students to come in contact with an experienced professional to gain one-to-one careers advice, support and guidance into their profession.
- Our Institution offers mentoring programs to help students acclimate and grow with support from the guidance of staffs members.
- The system has been implemented from the college establishment, significant improvement in the teacher-student relationship.
- The system has been useful in identifying slow learners and advanced learners.
- Based on the requirement deduced through a careful examination of each Mentor's report, the College has organized need based Classes in the identified topics/subjects for slow learners.

To enhance teacher-student contact hours :-

- The mentor helps the novice to focus attention on students' thinking and sense making, and to use information about students' thinking as a source of feedback on teaching, a way to keep track of children's learning, and a source of ideas for curriculum development.

To minimize student drop-out rates :-

- Student dropout is a significant concern throughout INDIA at both the high school and college levels due to numerous factors.
- In isolated cases parents are called for counseling/special meetings with the Principal at the suggestion of the Mentor.

To enhance students'academic performance and attendance :-

- Increase in student attendance and improvement in students' academic performance through mentor scheme is very challenging role. Students can come from various places and various situations.

- Mentor identify their problems and give counselling to the students and helps to enhance their academic performance.

Mentoring Format with Guidelines is prepared by our college:-

- Mentors maintain and update the Mentoring Format which contains space for entering particulars and performance of students (internal marks, monthly attendance records, etc.)
- After collecting all necessary information, Mentors are expected to offer guidance and counseling, as and when required
- It is the practice of Mentors to meet students individually or in groups.
- In isolated cases parents are called for counseling/special meetings with the Principal at the suggestion of the Mentor.
- If a student is identified as having weakness in particular subject, it is the duty of the Mentor to apprise the concerned subject teacher.

Identification of slow learners:-

- Students who have temporarily fallen behind in their studies or otherwise need short-term support in their learning have the right to get remedial teaching.
- Mentor identified slow learners in the class and give moral support conducting extra classes.

3. THE GREEN AND GLORY

- The environment is rightly so on everyone's minds and if we have a garden, we have an opportunity to contribute to protecting the natural world.
- The Green Glory concept is learning and practicing an environmentally-mindful lifestyle that contributes towards protecting the environment and preservation and conservation of the natural resources, habitats, and biodiversity the main concept is to reduce pollution.
- Green Glory is our personal choice that is embraced by students to contribute towards the betterment of this planet and make the world a better place to live for the generations to come.
- Successful gardening is based on using plants appropriate for our zone and site.
- To practice the green glory method we are using specially trained Gardner.
- He worked daily to pour water to the plants and trees.
- Watering garden is a good thing, but since many diseases need water just as much as plants do, how to go about it makes a big difference.
- In our institute we are pouring watering by hand, sprinkler systems and hose method, hold the leaves out of the way as to water the roots.
- We have different types of medicinal plants, tress artificial flowers, plants and trees. Fertilizing the garden is another method to keeping it healthy.
- To maintain our garden we are adopting many types of methods.

Plant a tree:-

- Trees help purify the air give. Trees give off oxygen that we need to breathe.
- Trees reduce the amount of storm water runoff, which reduces erosion and pollution in our waterways and may reduce the effects of flooding.

Examine plants carefully before buying:-

- The easiest way to limit disease in the garden is to avoid introducing it in the first place.
- Getting a disease with a new plant is not the kind of bonus that any of us wants.
- One of the hardest things to learn is what a healthy plant should look like, making it difficult to know if the one we want is sick.
- Don't take a plant with dead spots, rotted stems, or insects.
- These problems can easily spread to the healthy plants and are sometimes hard to get rid of once established.

Use fully composted yard waste:-

- Not all materials in a compost pile decompose at the same rate.
- Some materials may have degraded sufficiently to be put in the garden, while others have not.
- Thorough composting generates high temperatures for extended lengths of time, which actually kill any pathogens in the material.
- Infected plant debris that has not undergone this process will reintroduce potential diseases into your garden.
- If you are not sure of the conditions of your compost pile, you should avoid using yard waste as mulch under sensitive plants and avoid including possibly infected debris in your pile.

Keep an eye on your bug:-

- Insect damage to plants is much more than cosmetic.
- Viruses and bacteria often can only enter a plant through some sort of opening, and bug damage provides that.
- Some insects actually act as a transport for viruses, spreading them from one plant to the next.
- Aphids are one of the most common carriers, and trips spread impatiens necrotic spot virus, which has become a serious problem for commercial producers over the past 10 years.
- Aster yellows (photo, right) is a disease carried by leafhoppers and has a huge range of host plants.
- Insect attacks are another way to put a plant under stress, rendering it less likely to fend off disease.

Clean up in the fall:-

- It is always best to clean out the garden in the fall, even if we live in a moderate climate.
- This is not only an effective deterrent to disease but also a good way to control diseases already in our garden.

Apply the correct fertilizer:-

- While garden maintenance need to take care when fertilizing plants since too much of any fertilizer can burn roots, reducing their ability to absorb water.
- This, in turn, makes the plants more susceptible to stress from drought, cold, and heat.
- Plants starved for nutrients are smaller and can be badly affected by leaf spots, while a stronger plant can fight off diseases.
- An overabundance of a particular nutrient is another way to put stress on a plant.
- Getting a soil test through your local extension agency will provide you with accurate information

on nutrient levels in your soil.

- Without it, any feeding of your plants is likely to be guesswork on your part and may result in too much of one nutrient or not enough of another.
- In our garden we are using correct amount of fertilizer for the plants according to their nature.

Choose and site plants appropriately:-

- Successful gardening is based on using plants appropriate for your zone and site.
- If you set a shade-loving plant, like an azalea, in full sun, it will grow poorly and be easily attacked by diseases and insects. I once had a crape myrtle planted where parts of its leaves were in the shade.
- This was the only part of the plant that had powdery mildew.
- Plants have defenses similar to a human's immune system, which swing into action when plants are under attack from an insect or disease.
- If plants are under stress, they cannot react with full strength to fight off or recover from diseases.
- Stressed plants, therefore, are more likely to succumb to these afflictions.

Water properly :-

- Watering the garden is a good thing, but since many diseases need water just as much as plants do, how we go about it makes a big difference.
- Many pathogens in the soil and air need water to move, grow, and reproduce.
- To avoid giving these diseases an environment they love, choose watering methods that limit moisture on a plant's foliage.
- Soaker hoses and drip irrigation accomplish this. If we are watering by hand, hold the leaves out of the way as you water the roots.
- The most common leaf problems are exacerbated when leaves are wet, so overhead sprinkling is the least desirable option.
- If we choose this method, however, water at a time when the leaves will dry quickly but the roots still have time to absorb the moisture before it evaporates. Bottom of Form

Prevents Soil Erosion :-

- The roots of the plants help bind our soils together, making them less likely to wash away after particularly heavy rain and protecting slopes from sliding downhill.
- Top soils are more likely to be affected by water movement, and these are often the soils you most want as they contain organic debris and leaf litter that eventually breakdown to help add nutrients into the soils.

Prune damaged limbs at the right time :-

- Trimming trees and shrubs in late winter is better than waiting until spring.
- Wounded limbs can become infected over the winter; allowing disease to become established when the plant is dormant.
- Late-winter pruning prevents disease from spreading to the new growth.

File Description	Document
Link for Best practices in the Institutional web site	View Document
Link for any other relevant information	View Document

7.3 Institutional Distinctiveness

7.3.1 Portray the performance of the Institution in one area distinctive to its priority and thrust within 1000 words

Response:

1. VILLAGE ADOPTION

The study describes a "Village Adoption Scheme" as a model for energising the rural economy in India and to slow down rural - urban migration which research has shown to be harmful to both; rural and urban people of India and their regions. The work under this scheme presented here is designed to use the resources existing in social, traditional, cultural, legal, ethnic, religious, economic and political layers of the rural society and seeks to enable the region to build upon them to generate resources. The scheme describes the scale of the programs and also the lessons learnt from the endeavour, which would help those who plan to use the model described. The Village Adoption scheme provides an opportunity to understand the factors that are responsible for under development in a village.

Our college has adopted a village as a responsibility. The Village Adoption study provides an opportunity to understand the factors that are responsible for under-development in a village, despite plethora of programmes / schemes in vogue. They also get familiar with the

- Interventions
- Participatory interaction
- Understanding the prevailing situation

- Mobilization of community
- Initiate participatory processes
- Establishing linkages among line departments etc.

which are likely to strengthen the process of development and ensure poverty reduction and strengthen natural resources management.

Process

The process of Village Adoption is thus an experimentation and involvement of faculty members to drive the process of development in a selected village. Given the emphasis on involvement of faculty members at grass-root level by adopting specific village, preferably from back-ward area, as well as keeping the experience of first phase of Village Adoption studies, it is felt necessary to draw a frame-work while undertaking this category of studies. Consequently, the broad guidelines are evolved. The village adoption study envisages integrated and holistic development of village or cluster of villages selected on a micro/macro watershed basis, on an Action Research mode.

The village adoption provides an opportunity to academicians, policy makers and civil society, to get sensitized and understand the problems and social dynamics that exist at the grass root level and assimilate the facilitating/catalyzing factors responsible for building sustainable and cohesive communities through inspiring, igniting, educating and enabling them to develop by utilizing multiple opportunities with special focus on disadvantaged sector. The village adoption will also empower the faculty for better training, research and thus rural development.

Objectives

Village Adoption Scheme is to equip and familiarize the faculty, with the

- Socioeconomic dimensions of the rural communities
- Status of sustainable use of natural resources
- Changing perceptions & aspirations
- Priorities and innovative effort of the rural communities for sustainable development and enable/inspire the community for self-help to roll out strategies, methodologies, processes to develop sustainably and create cohesive communities where every individual gets equal opportunity to realize his/her potential. Through this process the faculty learn, document the ups and downs of the process which can help them in revising strategies for better training and come up with new models of rural development for replication elsewhere by all stake holders.

FREE EYE CAMP BENEFITS RURAL PEOPLE IN KALLIPATTI

Nearly 500 persons, a majority of them from deep rural pockets, were screened for various eye disorders at the mega annual free eye camp, organized jointly by Rotary club of Covai Aravind Eye Hospital, here on Sunday.

A team of doctors and paramedics from the hospital at Covai screened the patients among whom 150 were women for ailments including cataract and other vision disorders such as short and long sight.

Booths

As the camp attracted a heavy turn-out of beneficiaries, the organizers under the guidance of its President, Secretary and others, erected various booths so that the screening could take place simultaneously, consuming less time.

Benefits

Those who had been identified with complications for surgical interventions such as cataract had been immediately referred to the Covai Hospital for which special buses were organized to transport them.

They will be operated free of charge by the hospital while the IOL Lens would be supplied by the Club itself", said project Director.

Those who referred to Covai for cataract operations would be brought back to the city on two days. Past Presidents including participated.

3. FREE MEDICAL CHECKUP CAMP AT JKCM GROUP OF INSTITUTION

A Free medical camp can be considered as a life-saving program that aims to provide free medical and surgical services to poor communities living in rural or urban areas by a mobile team with varieties of medical specialized services.

Dr.J K K MUNIRAJAH M.Tech (BOLTON),D.Litt., Chairman of JKCMCT said that free medical camps are set up with a sacred aim to bring awareness and provide completely free medical checkup including all medical services which are available nowadays in hospital like ECG,OPD,MRI,CT Scan, Diagnosis, Blood test, Gastroenterology, Gynecology, Maternity, Nephrology, Oncology, Radiotherapy, Radiology, Physiotherapy Urology amongst the deprived population and poor people of the country who have no access to basic healthcare services or knowledge about the diseases they are suffering from.

Benefits

Medical camps provide free medical advice, medicine to the unfortunate people and refer for specialized treatment or surgery whenever it is required. These camps make sure people are getting healthcare at the right time, and seeing the doctor early enough before a small health problem turns serious.

Objectives

The main objective of a medical camp is to provide initial care to people in life-threatening conditions which reflect the unique strengths and goals of medical ethics. Other objectives are as stated below:

- Provide free and high-quality medical services and full body complete medical checkup for the poor population.
- Working as an emergency team in disasters.
- Raise health awareness among the community and teach them to deal with communicable and non communicable.
- Register rare and severe cases and refer them to specialized centers.
- Evaluate the living conditions and determine the obstacles and challenges to work on solving their

problems.

- Refer medical cases towards surgeries if required.

File Description	Document
Link for appropriate web in the Institutional website	View Document
Link for any other relevant information	View Document

NAAC

5. CONCLUSION

Additional Information :

JKKMCT has remarkable achievements in academic and other co and extra curricular activities as such,

UG UNIVERSITY RANK HOLDERS:

42nd Rank with First Class

50thRank with First Class

60thRank with First Class.

UG UNIVERSITY RANK HOLDERS:

9thRank with Distinction.

17thRank with Distinction.

31strank with first class.

43rdRank with First Class.

COVID 19 CONTRIBUTIONS:

Our institution has provided 200 Beds for Coivd19 Isolation wards in our college campus hostel building.

FLOOD RELIEF FUND

Our management also provide “**FLOOD RELIEF FUND**” around **5 lakhs**for the affected people in **Kadalur and Neiveli**.

VILLAGE ADAPTATION:

- Adopted Village from 2015 to 2018 at Kallipatti Village Area and for NSS Activity
- Adopted Village from 2018 to 2020 at Bargur, Anthiyur Village Area and for NSS Activities.

STUDENTS ACHIEVEMENTS:

From mechanical department third year students Kannan, Vinith and Sandeep **Gandhi won the first prize in Project expo held in erode sengunthar engineering college**, and from third year automobile student's **vijay, sivasankar and gowtham published a paper in international journal**

AWARDS

- For the meritorious and noble services rendered in the fields of Education, Social Welfare and

handicapped Welfare, our chairman Dr. J.K.K. Munirajahh has been awarded California Golden State Award in 1972.

- In public recognition of their outstanding performance as employer of persons with disabilities, Dr.JKK Munirajahh and Annai JKK Sampoorani Ammal Charitable Trust has been awarded the coveted National Award by His Excellency the President of India, Dr.Giani Zail Singh in the year 1987 and by his Excellency the President of India Dr.A.P.J.Abdul Kalam in the year 2004.
- School for the Blind Deaf and Dumb and Physically Handicapped run at Komarapalayam,Namakkal Dt,Tamilnadu, India, for the Past twenty years.
- Accommodation, Food, and Cloth are provided with free of cost for nearly two hundred Handicapped children. Free Eye camps, Ent camps, General Health camps are regularly conducted under the banner of the trust in association with local body authorities and Non Government agencies.

Concluding Remarks :

JKKMCT has completed 13 years of its establishment in giving quality education to the students since 2008 with support of vision of the management and governance with decentralization policy. The state-of-the-art infrastructure, amenities ,implementation of outcome based education and other support services provided in the campus has nurtured the student growth as well as the learning process towards the satisfaction of stake holders.

JKKMCT with its defined vision has abled to provide the holistic growth of students with good placement records. The research initiatives, technical training, industry-academia interface through MoU and collobrative activities, extension and outreach programmes by the institution,also kick started designed research culture and establishment of good rapport with the community and industries.

JKKMCT looks forward to achieve more heights in the times ahead. The faculty members join hands in the Institution's zeal to enhance and sustain quality education flagging way for the attainment of Vision, Mission and Core Values.

The institution's societal commitment provides opportunity for the faculty members and students alike to render excellent services to the society including adoption of village nearby . The institution today can boast of activities and accomplishments with regard to the social responsibility and academic excellence