



# **SELF STUDY REPORT**

**FOR**

**1<sup>st</sup> CYCLE OF ACCREDITATION**

**MRK INSTITUTE OF TECHNOLOGY**

**NATTARMANGALAM AND POST, KATTUMANNARKOIL, CUDDALORE.**

**608301**

**[www.mrkit.in](http://www.mrkit.in)**

**Submitted To**

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

**May 2023**

# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

MRK Institute of Technology, the 'Temple of Learning' for engineering education, was founded in 2009 in a lush green environment situated at the backwaters of Vadavaru, in Nattarmangalam Village of Kattumannarkoil taluk. Accessibility to quality engineering education by the rural students was the desire of its eminent founder, who founded this engineering institution with the revolutionary goal of empowering the rural and impoverished pupils.

AICTE-approved and affiliated with Anna University in Chennai, MRK IT provides five undergraduate programmes, B.E. Civil Engineering, B.E. Computer Science and Engineering, B.E. Electrical and Electronics Engineering, B.E. Electronics and Communication Engineering and B.E. Mechanical Engineering, two postgraduate programs, M.E. Computer Science and Engineering and M.E. Thermal Engineering. Furthermore, the institution received approval for "Centre for Research" in the field of mechanical engineering discipline in the year 2017.

Since from the beginning, MRK IT has continuously been in the leading in the university rankings among the neighbouring institutions. 22 of our students have achieved University Ranks in the Anna University Examinations so far. 70% of our eligible students are consistently placed in reputable firms and they have access to experienced and professional advice from a team of high profile faculty members and career consultants. Our students also enrol in reputable colleges both domestically and abroad to pursue further education which provides a variety of learning opportunities.

In the previous five years, 64 research publications by members of our faculty were published in reputable journals and a total of 53 publications including books and chapters in national and international conferences were also made. Students at MRKIT continue to perform well in sports, both zonal and state level and brought laurels to the institution by won several prizes. Awards and recognitions were also received for the NSS service activities from Anna University Level and from the neighbourhood communities.

MRKIT acknowledges that the alumni's role is crucial for the development of the institution. MRKIT's Alumni Association, which acts as a canopy for bringing together the passed out students of various batches to ensure their welfare individually and collectively as well as to growth of MRKIT.

### **Vision**

To emerge as a sanctum of technical education to bring out self- fulfilled and adept engineers to meet the requirements of the society and posterity with nobleness, novelty, knowledge and education.

### **Mission**

To disseminate high quality technical education to the rural mass with an endeavour to transform them a responsible citizen.

To enrich the standard through high quality infrastructure and efficient teaching faculty.

To encourage research activities, development and teaching programmes on par with international standards.

To mould the students who can facilitate the search of humanity for the knowledge.

## 1.2 Strength, Weakness, Opportunity and Challenges(SWOC)

### Institutional Strength

- Beautiful Eco-friendly and a lush green campus.
- University rank holders from the first batch (2013- '14) onwards.
- Ranked leading among the neighbouring institutions in Anna University examinations since 2009.
- Peer learning and tutorials make collaborative learning a joyful experience.
- Learning through industry – institute collaboration and industry powered laboratories.
- Faculty: Student ratio is 1:08.
- Seventeen percentage of faculty with PhD.
- MoUs, consultancy and training programmes.
- Value added courses across disciplines provide integrative learning and work beyond boundaries.
- Company specific placement training and placement consistently over 70% since 2018.
- Median salary of students placed Rs 2.0 lakhs.
- Industrial visits and internships across the nation.
- Faculty and external experts provide career guidance and soft skills training.
- Faculty development programmes, course specific competency training programmes.
- Faculty Training through FDPs.
- Extensive use of ICT for teaching-learning process.
- Teaching is augmented by NPTEL, and MOOC.
- Having patent published.
- Management provides financial support for research, infrastructure and cash awards.
- A state of the art library with Dolphin software, IMPRESERP software and DELNET facility.
- Smart classrooms fully equipped with LCD projectors and internet facility.
- Focus on Outcome Based Education (OBE).
- Certified Green Campus.
- Environment friendly campus with solar panels on roof tops of main block.
- Centres of Excellence and Innovation Centres in emerging fields.
- Students have repeatedly won laurels in sports and extra-curricular activities both at the state and national level.
- Alumni address students periodically to share their experiences and to motivate their juniors.
- Student counselling by authorised counsellors.
- Implementation of ERP software for data management, attendance and mark entries.
- On-Duty provided to faculty pursuing part-time Ph.D.
- Free in-house medical center with doctor consultancy.
- Financial assistance to students through scholarships from management, alumni and government.
- Conferences, seminars, workshops, expert lectures, guest lectures, webinars, etc.
- Efforts for realising National Education Policy.
- Decentralization and empowerment of all stakeholders.
- Regular Yoga Programmes to build soundness of mind and physical flexibility.

- Training programmes to acquire employability skills.

### **Institutional Weakness**

- Execution of Start ups
- Low diverse student population.
- Lack of international faculty
- Less initiation of research with foreign collaboration.
- Need to encourage more research/projects that are inter-disciplinary.

### **Institutional Opportunity**

- MNCs and other major companies are keen to recruit students from our institution.
- MoUs with industry wherein students are trained by industrial experts.
- Strong alumni network for internship and campus placement.
- Funding from government bodies.
- Availability of e-governance for effective communication.
- Academic Research promotes teaching excellence.
- Learner-centred pedagogy and effective faculty student relationship.
- Constant up gradation of infrastructure and technology.
- Institute-industry collaboration for the implementation of Outcome Based Education.
- Student/faculty exchange programmes with well-renowned acclaimed institutions.
- Providing ample opportunities for students to get involved in outreach programmes.
- Encouraging students in selfless service activities.
- Electoral awareness programmes to sensitise students towards voting.

### **Institutional Challenge**

- Admitting students from other states/countries.
- Bringing internationally acclaimed stakeholders.
- Industrial projects with top companies.
- Getting sponsored R&D projects.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

MRK Institute of Technology (MRKIT) is affiliated with Anna University, Chennai. MRKIT is approved by AICTE, New Delhi. The institution is ISO 9001:2015 certified. MRKIT offers 5 UG programs and 2 PG programs and 1 Research program in engineering streams. The syllabus of the programs is prescribed by Anna University, Chennai.

At the start of each semester, MRKIT prepares an academic calendar that lists all of the academic events for the whole semester, including the delivery schedule for various courses, guest lectures, seminars, and other

events.

The Choice-Based Credit System and the elective courses offered by the institution provide academic flexibility. Specific courses are included for inculcating Professional Ethics, Gender equity, Human Values, Environment and Sustainability. MRKIT provides experimental learning through project work, fieldwork and internships. Value-added courses are taught to students as per the suggestions given by the senior members of the department. Courses are allocated to the faculty members based on their expertise, willingness and capability of handling.

Internal Quality Assurance Cell (IQAC) ensures the preparedness of the faculty members for effective curriculum delivery. All the classrooms are equipped with LCD projectors to enhance the teaching-learning process. During the semester, three internal assessment tests are conducted to assess the performance of the students. The performance is reviewed in the class committee meeting and reports are informed to parents.

We collect feedback regularly from the students, alumni, employers and faculties. The college always strives to satisfy the needs of students whether it is the inclusion of new courses that may raise their employability or any other related issues. MRK IT has two actively functioning units of NSS, a unit for Youth Red Cross, a NCC - Army wing to offer them a platform for co-curricular and extra-curricular activities. Awards and recognitions for the impressive NSS service activities were also got from both Anna University Level and Initiations for availing a NCC - Naval wing is in progress.

### **Teaching-learning and Evaluation**

MRKIT provides a well-organized system for the overall development of its students who are from various rural regions and backgrounds. When we hold an Induction programme, students become acquainted with our institution. This programme teaches students about MRKIT's courses, objectives, facilities, and traditions. Students with no arrears and a high CGPA are classified as advanced learners. They are motivated to achieve their objectives by participating in extracurricular activities. Training programmes are designed to help them improve their knowledge and skill sets. Slow learners are given special classes to help them improve their academic performance. In addition to lecture sessions, our faculty members experiment with new teaching methods. For students to actively participate in the teaching-learning process, MRKIT uses a variety of methodologies, including problem-solving techniques, experiential learning, and participatory learning. In our institution, ICT tools including computers, LCD projectors, NPTEL videos, and Google Forms are employed to improve the teaching-learning process. Regular activities include setting up guest lectures for our students, field visits, participation in workshops, symposiums and more. Many extracurricular and co-curricular activities are promoted to students. A well-established mentorship programme helps students with their professional interests while also providing counselling if necessary. An academic calendar is created by MRKIT that includes the dates of exams, internal assessments, important events, and breaks. Anna University appears to hold end-of-semester exams and announces the results. The results are analyzed in order to assess our students' performance and take appropriate corrective action.

### **Research, Innovations and Extension**

MRK Institute of Technology always gives prime importance to research and developmental activities. MRKIT encourages faculty members to pursue research in their field of interest to publish research articles, applying for funded projects, publishing patents etc. Faculty members of MRKIT have received research

projects from government funding agency, TNSCST. Also, faculty of MRK IT have published sixty-four research articles in reputed journals with good impact factor. Furthermore, faculty members have published fifty-three books/Chapters and conference papers. A patent has also been got by our faculty member. The institution has organized several international conferences, national level seminars, webinars, expert lectures and workshops in the areas of innovation and research, entrepreneurship, etc. The cell is involved in the activities of conducting seminars, workshops, training programs and interactive sessions with entrepreneurs.

Students are encouraged to take up research projects under the supervision of the faculty members. The college provides state of art facilities for carrying out research works/projects through various research laboratories established in the institution during the last five years. Mechanical Engineering department of MRKIT has got approval for research department by Centre for Research, Anna University. A doctoral degree has been awarded for a candidate who has done his doctoral research through our institution's Centre for Research. The faculty members pursuing research are encouraged by providing them the required equipment, on-duty leave for research work, financial assistance for presenting research work in national and international conferences, e-resources, computer facilities, etc. Faculty members are also acting as reviewers of journals. The college has an innovative ecosystem to promote the technical and entrepreneurial skills of the students.

Faculty members and students are actively involved in institutional social responsibility activities through structured forums like NSS, NCC and YRC. Hand-full of recognition and awards were received for various extension activities from University and State level agencies. Sizeable number of activities have been organized such as blood donation camps, tree plantation programmes, old age home visit, Swatchh Bharat campaigns, awareness rally, cleaning campaigns, etc. Institution has active MOUs with industries, institute of national importance for industry academia linkages. More industrial linkage programs such as internship, field trip, and on-job training have been organized.

### **Infrastructure and Learning Resources**

MRK Institute of Technology strongly believes that adequate infrastructural facilities are the key element and it will provide ample opportunities for both faculty and students. Thus, it has built up an impressive and state of art infrastructure with modern facilities and learning resources as per the prescribed norms of statutory bodies like AICTE and Anna University.

The classrooms of all departments consist of furniture, blackboard, LCD projectors and screens, audio systems, white boards and a computer with internet connectivity, fans and lights for good Teaching-Learning process. The College has two seminar halls with LCD projectors, computers with internet connectivity and public address system and also it has an air-conditioned Auditorium for conducting various cultural activities and co-curricular activities. All laboratories in the institution are fully equipped with latest equipment to conduct experiments as per the regulations of AICTE and Anna University. Adequate safety measures have been incorporated and are displayed in the laboratories for the safety of the students.

MRK Institute of Technology has sophisticated IT facilities which include 516 Computers which are connected through LAN, printers, Legal System Software and Legal Application Software along with Wi-Fi connectivity access points at prominent places.

The spacious digital library is equipped with 20 PCs which are connected with LAN for fast and seamless access of the internet, latest books and journals, reading hall, reprographic facilities. Also, it has DELNET, National Digital Library of India (NDLI) membership for access e-resources for the benefit of its

users.

Cultural activities are conducted in seminar halls and auditorium on different occasions like Independence Day, Republic day, Hostel day and on such other important occasions. The College provides ample facilities for the students to participate in sports and games in college, university, zonal and state levels competitions. Outdoor and indoor games facilities are effectively used by the students during and after the college hours. College has well-equipped separate gymnasium facilities for both boys and girls and yoga centre which is made used by the students and staff thus enabling a stress free and a healthy environment.

Besides, the institution has the following facilities: hostel and transport facilities, canteen facilities, well maintained lift, wheel chair for physically challenged students, RO water plant, fire extinguisher, Sanitary napkin vending machine and incinerators, water purifier, CCTV surveillance, solar plants, gen set, biogas plant and rainwater harvesting structures.

### **Student Support and Progression**

For students to consistently advance in academic, co-curricular, and extracurricular aspects, the institution provides an intellectually stimulating environment. Students are included in the decision-making process and are adequately represented on all academic/administrative committees. More than 85% of the students are availing scholarships and free ships from Government and Non-Government agencies as well as the institution.

Students receive guidance for life skills, competitive examinations, soft skills training, ITC/Computing Skills Yoga, physical fitness, and meditation sessions in order to develop life skills, increase confidence in our decisions based on adequate information and thought, and discover sources of strength from within and outside.

If there are any grievances, they are addressed by the Grievance Redressal Committee, the Anti-Ragging Committee, and the Internal Compliance Cell of the institute. Students may express their complaints about any academic or non-academic issue on campus through online and suggestion/complaint box.

The institution has a strong placement record and an average 80% of the students are often placed through campus. Many of our students are also choose to pursue further education at renowned institutions both in India and overseas.

Many clubs and associations are actively functioning to make it easier for students to participate in co-curricular and extracurricular activities. The institution hosts more than 30 competitions, sporting events, and other events each year.

The registered alumni organization of the institutions actively supports the institution's growth. Alumni contribute immensely to enhancing teaching learning process and placement training activities.

### **Governance, Leadership and Management**

MRK Institute of Technology has got various strategic plans for implementation and achieves excellence in all aspects such as academic, placements and research. In order to attain global standard in Engineering, institution needs a freedom for curriculum design which could be done only after getting Autonomous status. Hence the management council has a strategic plan which includes getting NAAC accreditation and Permanent

Affiliation for all UG & PG programmes. Research activities have been established through Centre of Excellence in various fields. Personality Development Program for students, Faculty Development Program (FDP), research and consultancy projects are planned and executed to achieve the goal as recommended by IQAC.

MRK Institute of Technology works under Chandravadhanam Educational Trust, enlisted under Societies Act; it is an open association that is responsible for its explicit working. The Institute has set up well-established principles, regulations, complaint redressal components that are open at disposed Information Desk. Governance structure of the institution conveys total transparency at various levels in the organization. Innumerable welfare measures are executed to assist the staff.

MRK Institute of Technology is a self-financed institution, where the funds are generated through the fees paid by the students. Deficit is managed by taking advance from the parent trust. Additional funding is obtained from by faculty members through Research proposals. These funds are utilized for the research and laboratory development.

The institute has a well-defined mechanism to monitor effective and efficient utilization of available financial resources for the development of the academic processes and infrastructure development.

**Internal Audit** is performed by Accounts Manager deputed from Chandravadhanam Educational Trust office periodically. During the course of Internal Audit, all required steps are taken to regularize the accounts and obtain confirmations for the credit balances, collect documentary evidences wherever inadequate in respect of payments, compliances of Tax Deducted from the source (TDS). The consolidation of the findings of the Institutions with Trust office has been completed and the annual returns have been submitted to Income tax Authorities and to the other relevant authorities concerned.

**External Audit** is done by the Auditors at the end of every financial year. The reports are obtained before conducting external audit which is normally done after the closure of the accounts in all respects. The copy of the internal audit report covering all matters related to maintenance of accounts is preserved. Subsequently, External Statutory Audit is conducted by the auditors and the final audit report with audit findings are submitted to the Management.

### **Institutional Values and Best Practices**

Institutional value and social responsibilities which deals with the gender equity and celebration of national commemorative days. Our Institute Organizes “Gender equality and Human Rights” Programme for the students. In our Institution we celebrate national and international commemorative days, such as independence day, republic day cultural and religious festivals by uniting different students and staff members.

We have environmental consciousness and sustainability and Divyanjan friendly initiative, having alternate source of energy like solar panel and biogas plants for energy conservation. Our Institution has various types of degradable and non-degradable waste management like solid waste management and e-waste management. Water conservation activity was done by the method of rain water harvesting. For the use of physically handicapped person special restrooms and wheel chair is provided.

To ensure harmony, peace, equality, and values we are encouraging our students to be a member of NCC, YOUTH RED CROSS, and organising Blood Donation camp. NSS organises various events like



cleaning and orphanage visit and donating blood. Yoga classes are conducted for students to improve physical and mental well-being. It helps to improve peace among the students. We have an inclusive ecosystem that unite the people together irrespective of cultural, regional, linguistic, and communal. Our Institute motivates all the students to follow the constitutional rights, values and duties and groom them as responsible citizens of this country.

The primary objective of the Institution is the pursuit of academic excellence and placements. Our Institute also aims at vitalizing learning skills with a focus on futuristic demands, vitalizing the teaching-learning process, ICT, human values, and a functional relationship with all the stakeholders for the holistic development of the individual and society. Our Institution stands apart from other colleges by placing greater emphasis on producing professional students by providing value-based education and enabling the students to face challenges in modern life. Skill-based learning focuses on increasing employability through a series of inputs, to equip students with appropriate skills that help them to be job-ready. It not only helps the individual to learn what they need to succeed in the course of a certain specialty, but also helps to develop skills that can help an individual student's carrier growth.

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	MRK INSTITUTE OF TECHNOLOGY
Address	NATTARMANGALAM AND POST, KATTUMANNARKOIL, CUDDALORE.
City	KATTUMANNARKOIL
State	Tamil Nadu
Pin	608301
Website	<a href="http://www.mrkit.in">www.mrkit.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	ANANDAVE LU K	04144-262728	9444206138	04144-26027 0	aucoe8224@gmail. com
IQAC / CIQA coordinator	CHARLES GASPARRA J D	-	8012422871	-	mrkit.iqac@gmail. com

Status of the Institution	
Institution Status	Private and 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	

State	University name	Document
Tamil Nadu	Anna University	<a href="#">View Document</a>

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	<a href="#">View Document</a>	03-07-2022	12	

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	NATTARMANGALAM AND POST, KATTUMANNARKOIL, CUDDALORE.	Rural	12.5	30055

## 2.2 ACADEMIC INFORMATION

<b>Details of Programmes Offered by the College (Give Data for Current Academic year)</b>						
<b>Programme Level</b>	<b>Name of Programme/Course</b>	<b>Duration in Months</b>	<b>Entry Qualification</b>	<b>Medium of Instruction</b>	<b>Sanctioned Strength</b>	<b>No.of Students Admitted</b>
UG	BE,Civil Engineering	48	HSC	English	30	15
UG	BE,Computer Science And Engineering	48	HSC	English	90	90
UG	BE,Electronics And Communication Engineering	48	HSC	English	90	90
UG	BE,Electrical And Electronics Engineering	48	HSC	English	60	53
UG	BE,Mechanical Engineering	48	HSC	English	120	63
PG	ME,Computer Science And Engineering	24	B.E	English	12	3
PG	ME,Mechanical Engineering	24	B.E	English	24	3

### **Position Details of Faculty & Staff in the College**

<b>Teaching Faculty</b>												
	<b>Professor</b>				<b>Associate Professor</b>				<b>Assistant Professor</b>			
	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	9				18				98			
Recruited	9	0	0	9	16	2	0	18	61	37	0	98
Yet to Recruit	0				0				0			

<b>Non-Teaching Staff</b>						
	<b>Male</b>		<b>Female</b>		<b>Others</b>	<b>Total</b>
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						17
Recruited	13		4		0	17
Yet to Recruit						0

<b>Technical Staff</b>				
	<b>Male</b>	<b>Female</b>	<b>Others</b>	<b>Total</b>
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				10
Recruited	8	2	0	10
Yet to Recruit				0

### Qualification Details of the Teaching Staff

<b>Permanent Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	0	0	0	0	0	0	0	0	0	0
Ph.D.	9	0	0	14	1	0	1	2	0	27
M.Phil.	0	0	0	2	1	0	10	5	0	18
PG	0	0	0	0	0	0	50	30	0	80
UG	0	0	0	0	0	0	0	0	0	0

<b>Temporary Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

<b>Part Time Teachers</b>										
<b>Highest Qualification</b>	<b>Professor</b>			<b>Associate Professor</b>			<b>Assistant Professor</b>			<b>Total</b>
	Male	Female	Others	Male	Female	Others	Male	Female	Others	
D.sc/D.Litt/LLD/DM/MCH	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
UG	0	0	0	0	0	0	0	0	0	0

<b>Details of Visting/Guest Faculties</b>					
<b>Number of Visiting/Guest Faculty engaged with the college?</b>	<b>Male</b>		<b>Female</b>		<b>Total</b>
	0	0	0	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	242	0	0	0	242
	Female	67	0	0	0	67
	Others	0	0	0	0	0
PG	Male	1	0	0	0	1
	Female	0	0	0	0	0
	Others	0	0	0	0	0

Provide the Following Details of Students admitted to the College During the last four Academic Years						
Category		Year 1	Year 2	Year 3	Year 4	
SC	Male	54	50	34	24	
	Female	14	26	17	11	
	Others	0	0	0	0	
ST	Male	1	1	1	1	
	Female	0	0	0	0	
	Others	0	0	0	0	
OBC	Male	186	160	144	126	
	Female	52	50	48	37	
	Others	0	0	0	0	
General	Male	2	1	1	1	
	Female	1	1	1	0	
	Others	0	0	0	0	
Others	Male	0	0	0	0	
	Female	0	0	0	0	
	Others	0	0	0	0	
Total		310	289	246	200	

### Institutional preparedness for NEP



1. Multidisciplinary/interdisciplinary:	<p>The main tenets of NEP, such as diversity for all curricula and pedagogy with technology advancements in teaching and learning, creativity, supporting logical decision-making and innovation, and critical thinking, have been brought up for discussion among the faculty members. The Institute is affiliated to Anna University, Chennai, whose academic programmes have been revised to incorporate multidisciplinary and interdisciplinary courses as electives in their new 2021 regulations. The Institute has begun providing electives to students. In order to encourage students to take new technologically focused subjects and cross-disciplinary courses, the 2021 regulations mandate that a total of seven electives and four open electives be offered starting in the fifth semester. The institute uses the Choice Based Credit System (CBCS) for all of its courses. A few of them also offer courses that emphasise moral principles and the environment, such as Professional Ethics, Environmental Studies, Principles of Management, and Total Quality Management. Every curriculum is created to provide students as much freedom as possible when selecting electives from other Departments. As a result, through their projects, the students have the chance to delve deeply into the specialised subjects of their choosing and investigate novel applications and technologies.</p>
2. Academic bank of credits (ABC):	<p>Our organisation complies with the requirements of the affiliated university, Anna University, Chennai, in terms of its readiness for the implementation of Academic Bank of Credits (ABC). Our institution is a formal member of the National Academic Depository (NAD). All of Anna University's programmes use the choice-based credit system (CBCS), and the Academic Council is now debating a resolution pertaining to the ABC. Once the resolution has been accepted by the appropriate legislative entities, Anna University will formally register in the ABC portal. The Institute is now proposing to build a centralised academic database of college students for this purpose. The aforementioned database will allow for the digital storage of each student's academic credits when they have successfully completed each course. Students can use the ABC to their advantage when making plans for various exits and carrying on with their academic studies through alternative channels</p>

	(institutions of excellence or online courses provided by institutions of eminence).
3. Skill development:	<p>The higher education division of the Tamil Nadu state has launched two cutting-edge programmes, "Nalaya Thiran," and "Naan Mudalvan", where industry partners teach classes on the most recent advancements in technical and language subjects and the necessary skill sets for new industries. Machine Learning with Application to Object Recognition, Powering IoT using Raspberry Pi, Block Chain, Smart Energy Grid, Industry 4.0, Full Stack AR/VR, Cloud Essentials, Big Data Analytics, Electric Vehicle Charging System, High Rise Building Design, Network Essentials, Network Engineering, etc. are a few of the courses offered. Each of the aforementioned courses is focused on cutting-edge professional tools that will make it easier to construct prototypes as part of the course work that is required by industries and society. The institute has a strong Training and Placement cell that actively contributes to the development of the current trends needed by business. For the betterment of students who are striving for campus recruitment, willing pursue higher education, and competitive tests, the institution has been providing training programmes, conducting webinars, expert lectures etc. courses through this cell.</p>
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	<p>Our institution has conducted ICSSR sponsored National Level Seminars on "Role of Teachers and Students in Clean India Mission" on 10 and 11th of February and "Unity in Diversity" on 10th of March this year. These seminars have helped a greater extent in elevating the spirit of togetherness, national integrity and the importance of ecological wellbeing. Also our institution has started handling a course on "Heritage of Tamils" in which first-year engineering students are educated about the development of Indian Languages, notably Tamil language, in order to promote/integrate the vernacular language as described in the Anna University Regulations 2021 Syllabus. With the view to sensitize one's own root, history of the language and its literature, Heritage of Tamils was designed and is being taught to students. At our institute, students are morally motivated to do services by associating themselves in any service body like NSS, YRC, RRC and NCC. The institution got approval for Army Wing of NCC and is being in</p>

	<p>the waitlist for Naval wing. MRKIT has won awards and got recognition for the relentless extension service of NSS.</p>
<p>5. Focus on Outcome based education (OBE):</p>	<p>The UG programmes namely B.E. Civil Engineering, B.E. Computer Science and Engineering, B.E. Electronics and Communication Engineering and B.E. Mechanical Engineering which were offered to students from 2009-10 academic year onwards and B.E. Electrical and Electronics Engineering was offered from 2010-11 onwards. The Department Advisory Committee (DAC) meetings are held periodically to discuss the Course Outcomes (CO) of each course. With precisely defined Programme Outcomes (PO), Programme Specific Outcomes (PSO), and Programme Educational Objectives (PEO), the Institute has been implementing outcome-based education. All courses are created with the outcomes of Remembering, Understanding, Applying, Analysing, Evaluating, and Creating at their core. Along with domain-specific skills, learning outcomes at all levels provide social responsibility, morality, and entrepreneurial abilities so that students actively contribute to the economic, environmental, and social well-being of the country.</p>
<p>6. Distance education/online education:</p>	<p>The institution is already set up for online learning; in fact, during the COVID-19 epidemic, many online teaching and learning platforms, such as Google Meet, Google Classroom and Zoom, were used. Wi-Fi is available throughout the whole college campus, and LCD projectors have been installed in every classroom. Following the pandemic, instructors and students have embraced online learning to fully utilise the flexible blended mode of teaching and learning. As of 2019, departments will only share learning materials with students for the majority of courses via Google Classroom. The faculty members have trained in using several MOOCs and have access to additional online platforms for online teaching and learning, including FDP, STTP, and workshops on a regular basis. For the advantage of students from various regions of the country, the institution has planned to create online course materials in the areas of (i) Latest Technologies and (ii) Skill development courses. Additionally, a studio with cutting-edge equipment will be established within the institution in order to record recordings of lectures and expert interviews for the purpose of</p>

supplying high-quality learning resources to all students.

### Institutional Initiatives for Electoral Literacy

1. Whether Electoral Literacy Club (ELC) has been set up in the College?	Yes. The Electoral Literacy Club (ELC) has been set up in the College.
2. Whether students' co-ordinator and co-ordinating faculty members are appointed by the College and whether the ELCs are functional? Whether the ELCs are representative in character?	Yes, The Following Faculty and Students coordinator are appointed for the last five years. 2021-2022, Mr. M. Prabu, Faculty Coordinator Mr. G. Gokulnath, Student Coordinator 2020-2021, Mr. M. Prabu, Faculty Coordinator Mr. N. Mukilan, Student Coordinator 2019-2020, Mr. N. Sithivinayagam, Faculty Coordinator Mr. K. Komagan, Student Coordinator 2018-2019, Mr. N. Sithivinayagam , Faculty Coordinator Mr. N. Prabu , Student Coordinator 2017-2018, Mr. N. Sithivinayagam, Faculty Coordinator Mr. P. Aravinth, Student Coordinator
3. What innovative programmes and initiatives undertaken by the ELCs? These may include voluntary contribution by the students in electoral processes-participation in voter registration of students and communities where they come from, assisting district election administration in conduct of poll, voter awareness campaigns, promotion of ethical voting, enhancing participation of the under privileged sections of society especially transgender, commercial sex workers, disabled persons, senior citizens, etc.	The Institution has taken the following initiatives to district election administrators 1. Voter registration drives are held on campus for all eligible students. 2. Voter education programmes are offered to the general public and to students. 3. Members of the faculty helped to facilitate local body elections. 4. Guest lectures on voter awareness were given to all our students.
4. Any socially relevant projects/initiatives taken by College in electoral related issues especially research projects, surveys, awareness drives, creating content, publications highlighting their contribution to advancing democratic values and participation in electoral processes, etc.	<ul style="list-style-type: none"> <li>• The ELC organizes 'Voter-ID enrolment', a special drive for all the college students during every academic year.</li> <li>• To educate the populace about the significance of safeguarding democratic norms and each citizen's rights, awareness campaigns were carried out in the adjacent villages.</li> </ul>
5. Extent of students above 18 years who are yet to be enrolled as voters in the electoral roll and efforts by ELCs as well as efforts by the College to institutionalize mechanisms to register eligible students as voters.	In addition to the voter-ID enrollment push, the ELC identifies and encourages, particularly the first and second year students, to apply for voter's ID

## Extended Profile

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### 1 Students

#### 1.1

Number of students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
954	824	853	909	1025

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

### 2 Teachers

#### 2.1

Number of teaching staff / full time teachers during the last five years (Without repeat count):

Response: 301

File Description	Document
Upload Supporting Document	<a href="#">View Document</a>
Upload Supporting Document	<a href="#">View Document</a>
Institutional data in prescribed format	<a href="#">View Document</a>

#### 2.2

Number of teaching staff / full time teachers year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
124	103	126	111	139

### 3 Institution

#### 3.1

Expenditure excluding salary component year wise during the last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
284.3	295.7	301.24	288.49	348.54
File Description			Document	
Upload Supporting Document			<a href="#">View Document</a>	

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

##### 1.1.1 The Institution ensures effective curriculum planning and delivery through a well-planned and documented process including Academic calendar and conduct of continuous internal Assessment

###### Response:

For effective curriculum delivery, **M.R.K. Institute of Technology**, which is affiliated with Anna University in Chennai, follows a well-planned and recorded approach. For the Various Regulations, the institute follows the University's curriculum. MRKIT is dedicated to providing all students with a comprehensive and need-based education. The college has taken a learner-centered approach to meeting the educational needs of students from all backgrounds and with various goals.

The Institute creates the academic calendar, which includes numerous academic, professional, and extracurricular events of the institution such as the commencement date for higher semesters, the commencement date for I year, class committee meetings, Internal Assessment Exams, Model Practical examination, Last working day and Government Holidays for each semester, based on the academic timetable of the affiliating university. The faculties are assigned courses depending on their experience, willingness, and performance. In order to ensure successful curriculum development and delivery, an internal quality assurance cell (IQAC) has been established, and it has frequent meetings to discuss various implementation and monitoring measures.

###### Curriculum Planning & Delivery:

Faculty members are instructed to submit a Lesson Plan, Course Material, and Question Bank prior to the start of the semester. Laboratory manuals are planned ahead of time. Staff meetings are conducted 3 times per semester to discuss the lesson plan, class notes, teaching strategies, Industrial visits, Value Added courses, etc. in order to monitor students' academic performance and activities.

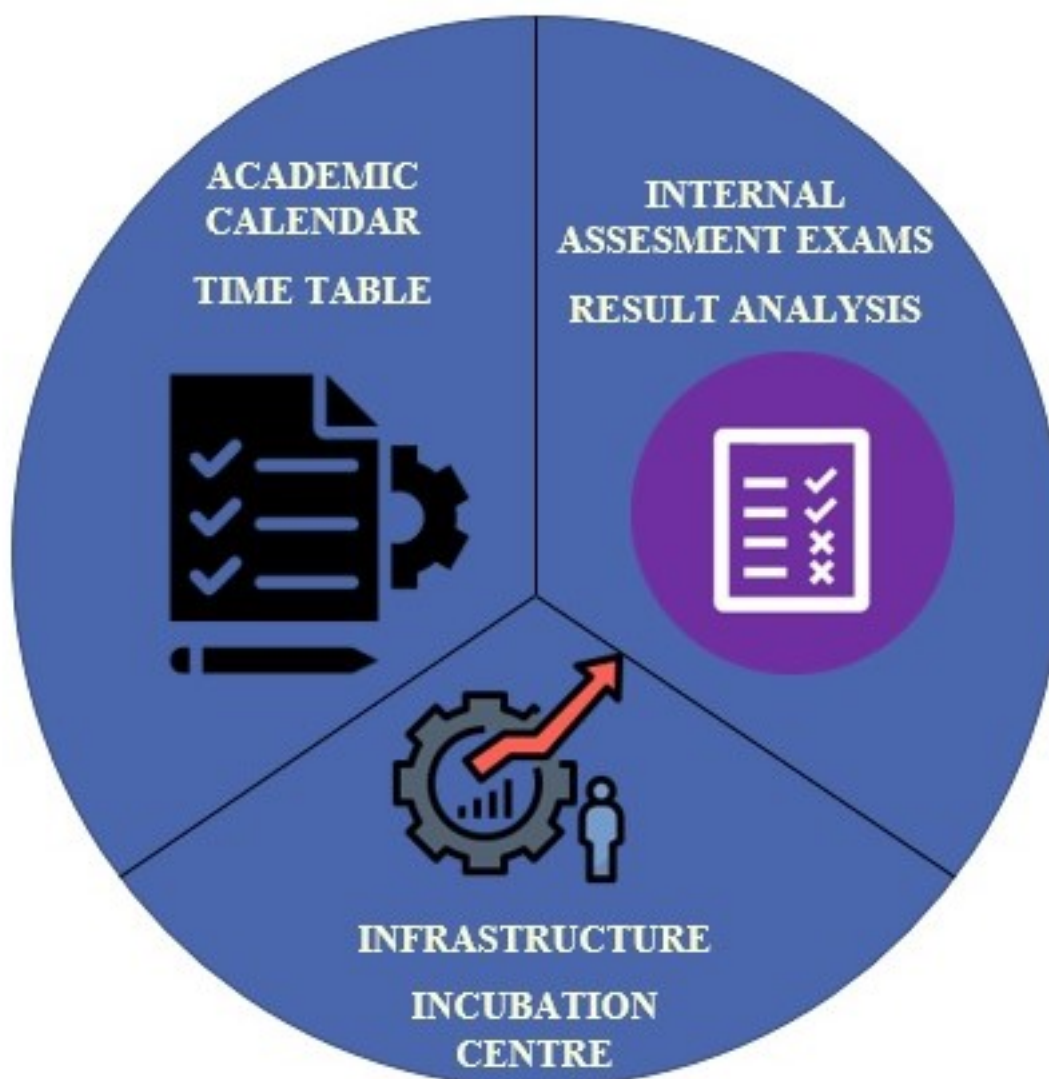
Class committee meetings are conducted 2 times per semester. The first meeting has to be conducted within one week from the date of the commencement of the semester. The student representatives interact and express their opinions to improve the effectiveness of the academic process. The second meeting was conducted in the middle of the semester to discuss various academic activities.

The students are asked to fill out a feedback form appraising the faculty using a scale of 5 (high) through 1 (low) for all subjects. Class tests, assignments, internal exams and a suitable learning mentor interface improve the effectiveness of curriculum delivery. The COE's scheduled dates are specified in a circular that the Examination Cell Coordinator delivers to all IAE Coordinators in different departments, asking them to prepare the IAE timetable one week prior to the IAE and distribute it to students and staff.

Internal Assessment Exams - In each semester, two assessment tests and one model exam are conducted. The academic calendar mentions the dates of the assessment and Model Exams. The Principal announces the detailed examination schedule in advance. Three internal assessments will be administered, with pupils taking one test every day. Result Analysis is done and the performance of the students is intimated to the

parents.

To improve students' abilities in terms of teamwork and leadership qualities, the department conducts workshops, guest lectures, Value-added courses, placement training programs and symposiums for students. In addition, the college supports extracurricular cultural and social development events. Our institute hosts celebrations for significant programmes such as Teachers' Day, International Women's Day, International Yoga Day and various activities.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>



## 1.2 Academic Flexibility

**1.2.1 Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)**

**Response:** 25

File Description	Document
List of students and the attendance sheet for the above mentioned programs	<a href="#">View Document</a>
Institutional programme brochure/notice for Certificate/Value added programs with course modules and outcomes	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Evidence of course completion, like course completion certificate etc. Apart from the above:	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### Other Upload Files

1

[View Document](#)

**1.2.2 Percentage of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

**Response:** 91.43

**1.2.2.1 Number of students enrolled in Certificate/ Value added courses and also completed online courses of MOOCs, SWAYAM, NPTEL etc. as against the total number of students during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
938	712	693	850	981

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.3 Curriculum Enrichment

### 1.3.1 Institution integrates crosscutting issues relevant to Professional Ethics, Gender, Human Values, Environment and Sustainability in transacting the Curriculum

#### Response:

**M.R.K. Institute of Technology** believes that including cross-cutting topics in the curriculum would benefit students' education and sense of civic responsibility. The institution offers courses in human values, environmental sustainability, and professional ethics make plenty of space when it comes to apply them positively into the curriculum.

#### Women Empowerment Cell (Gender Equity)

MRK Institute of Technology supports gender equality for both genders in all spheres and create awareness. Both genders are given equal opportunities in every co-curricular and extracurricular activities. The college fosters participation in clubs like the Women Empowerment Cell, which supports women's development and values in women's administration, among female faculty members and students.

It is formed with one senior faculty member as coordinator and all the women faculty in the institution are members. Many programmes were conducted in the campus such as International Women's Day, International Yoga Day, Meditation etc. in order to bring awareness and motivation to the girl students about their rights and Human values of women. This is our privilege to state that in our college the problems related to women students like sexual harassment, eve teasing is completely nil as we maintain a very good discipline system in the institution

#### Environment and Sustainability (Green Club)

In order to integrate the cross cutting issues relevant to environment and sustainability, University has included different types of courses in the curriculum to bring awareness among students. All programs have a compulsory course of Environmental Science and Engineering. In this subject, students study basic components of environment and its application to tackle issues such as pollution control, green gases etc. In Civil Engineering program, students learn Water Resources and Irrigation Engineering as core subjects. Students select elective courses such as Air Pollution and control engineering, Municipal Solid Waste Management. In order to provide a healthy living and learning environment, the institute maintains a green campus that is increasing energy efficiency by conserving natural resources. Food waste represents a major sustainability challenge with environmental, economic, social and health implications. In our institution, Deputy Warden and the faculty members are assigned supervising duties during mess timings to ensure that students are not wasting their food and the wastage. Through NSS extension programmes, the institution has made an attempt to raise society's knowledge of environmental challenges and their sustainability.

The following programmes are organized regularly for the students through NSS Unit,

- **Clean India Programme**
- **Plastic awareness Programme**
- **Tree Plantation**

## Addressing Human Values and Professional Ethics related issues

In order to repeat moral, social values and loyalty, Professional Ethics in Engineering subject available in all courses of the curriculum. It teaches students to respect others' rights. To advance principles that apply to all people, human values and social cohesiveness the Institution organizes a number of initiatives like Adaptation of village, Medical camp, Blood donation camp, SWACHH Bharat awareness programs, Rallies for awareness on Traffic rules and road safety through NSS also contribute to inculcate human values.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 69.39

#### 1.3.2.1 Number of students undertaking project work/field work / internships

**Response:** 662

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 1.4 Feedback System

**1.4.1 Institution obtains feedback on the academic performance and ambience of the institution from various stakeholders, such as Students, Teachers, Employers, Alumni etc. and action taken report on the feedback is made available on institutional website**

**Response:** A. Feedback collected, analysed, action taken& communicated to the relevant bodies and feedback hosted on the institutional website

File Description	Document
Feedback analysis report submitted to appropriate bodies	<a href="#">View Document</a>
At least 4 filled-in feedback form from different stake holders like Students, Teachers, Employers, Alumni etc.	<a href="#">View Document</a>
Action taken report on the feedback analysis	<a href="#">View Document</a>
Link of institution's website where comprehensive feedback, its analytics and action taken report are hosted	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Enrolment percentage

**Response:** 54.37

##### 2.1.1.1 Number of seats filled year wise during last five years (Only first year admissions to be considered)

2021-22	2020-21	2019-20	2018-19	2017-18
310	289	246	200	237

##### 2.1.1.2 Number of sanctioned seats year wise during last five years

2021-22	2020-21	2019-20	2018-19	2017-18
426	438	438	528	528

#### File Description

#### Document

Institutional data in the prescribed format

[View Document](#)

Final admission list as published by the HEI and endorsed by the competent authority

[View Document](#)

Document related to sanction of intake from affiliating University/ Government/statutory body for first year's students only.

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

#### 2.1.2 Percentage of seats filled against reserved categories (SC, ST, OBC etc.) as per applicable reservation policy for the first year admission during the last five years

**Response:** 77.64

##### 2.1.2.1 Number of actual students admitted from the reserved categories year wise during last five years (Exclusive of supernumerary seats)

2021-22	2020-21	2019-20	2018-19	2017-18
307	287	244	199	237

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

2021-22	2020-21	2019-20	2018-19	2017-18
297	305	305	367	367

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Final admission list indicating the category as published by the HEI and endorsed by the competent authority.	<a href="#">View Document</a>
Copy of communication issued by state govt. or Central Government indicating the reserved categories(SC,ST,OBC,Divyangjan,etc.) to be considered as per the state rule ( Translated copy in English to be provided as applicable)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.2 Student Teacher Ratio****2.2.1 Student – Full time Teacher Ratio  
(Data for the latest completed academic year)****Response:** 7.69**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 and teachers use ICT- enabled tools including online resources for effective teaching and learning process****Response:**

MRKIT incorporates many learning methodologies to make the teaching learning process more effective.

**Experiential Learning:**

Students are made to have experiential learning as they go through their practical sessions in the

laboratories as a part of their curriculum. As per the curriculum, Students are encouraged to form groups and do mini projects. These projects may be related to the subjects that they are currently studying or they could be connected to any other area of their interest. The mini projects are presented by the students to their peers. In addition value added courses and industry oriented workshops are arranged to give hands on training and exposure to the latest cutting edge technologies. Every year Industrial visits are arranged for the students to get an exposure to industrial practices.

### **Participative Learning:**

Student centric participative learning methods include periodic endowment lectures, seminars and group discussions on latest technologies. Professors, experts from industry and alumni are invited to deliver lectures at the end of which a question and answer session, is opened up. During this time students are encouraged to actively participate and get their doubts clarified. To enhance student participation in diverse activities our institution has various professional societies. The students can participate in paper presentations, workshops, symposia etc. in other institutions.

### **Problem Solving Methodologies:**

The problem solving capability of the students can be stimulated by making them work as prescribed in the syllabus of the respective course. Students of various postgraduate and undergraduate programmes undergo mandatory internship programmes as part of the curriculum. Some of the students also take up NPTEL online courses to gain knowledge in various subjects in addition to the regular academic curriculum. Industry experts also share problems that can be assigned as final year projects to the students. Analytical subjects in the curriculum are allotted tutorial hours. During these hours problems related to the subject are solved.

**Brainstorming** is a time-honored method of generating ideas and coming up with creative ways to solve problems. It is used not only in a classroom, but for all types of professional and personal groups.

**Information and Communications Technology (ICT):** Each department has one smart classroom, provided with LCD projector, system with internet connection and whiteboard. Information and Communications Technology (ICT) can impact student learning when teachers are digitally literate and understand how to integrate it into the academic curriculum. ICT supports, enhances and optimizes the delivery of content. Students who are continuously exposed to ICT have better exposure, presentation skills, and innovative capabilities. NPTEL Video lectures and many other renowned educational websites are available offline in the college computer laboratories and could be accessed by the students. Students are encouraged to attend technical webinars, to gain more knowledge in subjects. E-journals can be accessed in NDLI, which boosts the confidence of the students in publishing and presenting a paper in symposiums. Students are encouraged to register in AICTE PARAKH, Student learning & assessment and take assessments.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.4 Teacher Profile and Quality

### 2.4.1 Percentage of full-time teachers against sanctioned posts during the last five years

**Response:** 100

#### 2.4.1.1 Number of sanctioned posts year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
124	103	126	111	139

#### File Description

#### Document

Sanction letters indicating number of posts sanctioned by the competent authority (including Management sanctioned posts)

[View Document](#)

Provide Links for any other relevant document to support the claim (if any)

[View Document](#)

### 2.4.2 Percentage of full time teachers with NET/SET/SLET/ Ph. D./D.Sc. / D.Litt./L.L.D. during the last five years (consider only highest degree for count)

**Response:** 16.92

#### 2.4.2.1 Number of full time teachers with NET/SET/SLET/Ph. D./ D.Sc. / D.Litt./L.L.D year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
27	26	13	14	22



File Description	Document
List of faculties having Ph. D. / D.Sc. / D.Litt./ L.L.D along with particulars of degree awarding university, subject and the year of award per academic year.	<a href="#">View Document</a>
Institution data in the prescribed format	<a href="#">View Document</a>
Copies of Ph.D./D.Sc / D.Litt./ L.L.D awarded by UGC recognized universities	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

### 2.5.1 Mechanism of internal/ external assessment is transparent and the grievance redressal system is time- bound and efficient

#### Response:

MRKIT has transparent and robust mechanism for the internal and external assesment. In order to ensure transparency, the internal assessment process is communicated with the students well in advance. The Principal holds meetings of the faculties and directs them to ensure effective implementation of the evaluation process. Students who are admitted for the concerned course are assessed continuously through various evaluation processes at college and University level. Continuous evaluation is made through IA Tests, Assignments Submission, Field Visit / Field Work and Seminars Presentation. Internal Assessment tests are conducted periodically as per the schedule given in academic calendar. The performance of the students is displayed on the notice board and communicated to the students and parents. Personal guidance is given to the poor performing students after their assessment. Students appearing for third / final year are asked to deliver seminars for concerned subject. Students are given opportunity to take seminars on their preferable area of subject using PPT.

For transparent and robust for internal assessment, the following mechanisms are conducted

- Internal Examination Committee.
- Question Paper Setting.
- Conduct of Examination
- Result display
- Interaction with students regarding their internal assessment.

The method of internal assessment helps the teachers to evaluate the students more appropriately. The seminar presentation improves the communication skills of the students which is very essential to face the interviews. Centre for Academics, Anna University releases the academic schedule for every semester at the beginning of semester which includes start of academic program, end of academic program, tentative dates of university examinations.

Controller of Examination, Anna University provides the test period and web portal entry dates at the beginning of the semester.

In the class committee meeting, the HOD and class coordinators explain to the student about the Internal Assessment test and its importance in calculating Internal Assessment Marks well in advance.

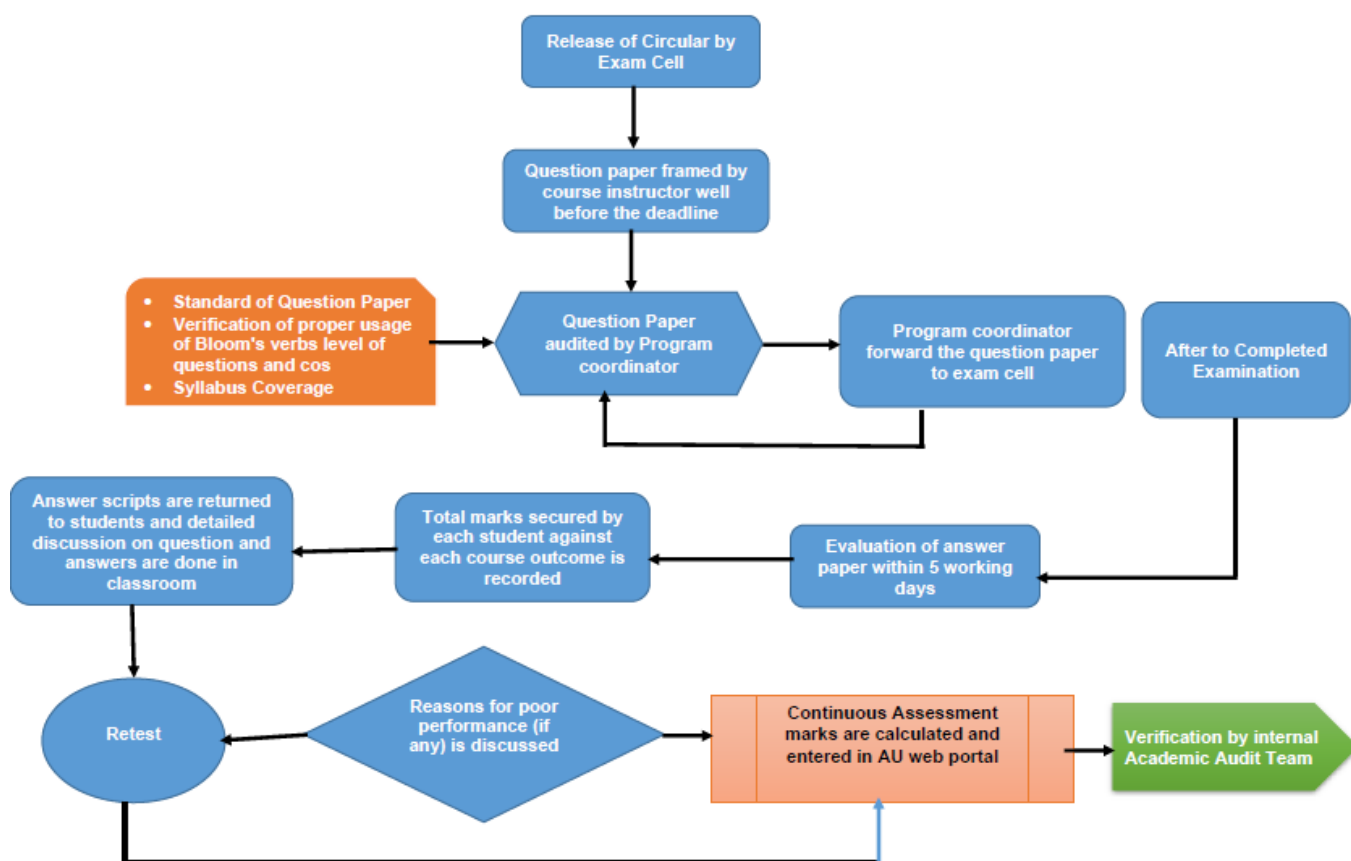
The scheme of evaluation for the subjects is also informed – 80% weightage is given to the end semester examinations and 20% weightage to the Internal Assessment Test.

The schedule for the test is informed by the HOD one week in advance to the students and faculty members.

The syllabi for the tests and model of the question paper are also intimated.

As per the Anna University curriculum, three internal assessment tests are conducted for theory subjects and one internal assessment test is conducted for practical subject.

For theory subjects, the question pattern includes Bloom’s level, Course Outcome and Program Outcomes as per the Examination Reforms 2018 released by AICTE. In this way mechanism of internal assessment is transparent and robust.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

### *2.6.1 Programme Outcomes (POs) and Course Outcomes (COs) for all Programmes offered by the institution are stated and displayed on website*

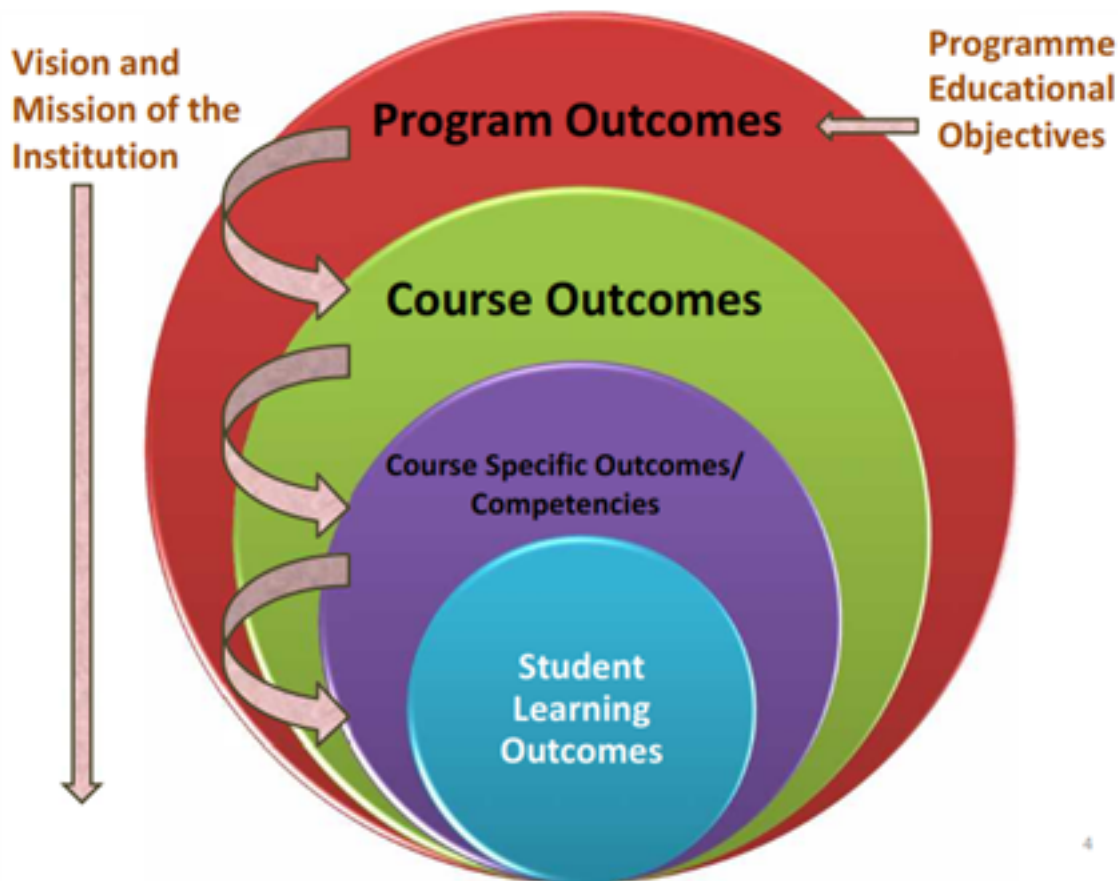
#### **Response:**

The Program Outcomes are displayed in prominent places in the college all departments and on the college website. All the faculty members prepare Lesson plan every semester for the subjects they are teaching which is incorporated in lesson plan.

In the course plan one of the components is Program Outcomes. At the beginning of every semester, all the faculty member's awareness among the students about the programme outcomes.

The course outcomes are made available on college website. Faculty members write the course outcomes in the course file, attendance and assessment record and present to the students at the beginning of the semester. While preparing internal assessment question paper, CO is also incorporated. After the evaluation examination process, progress report is send to the parents.

The assessment tools and processes used for measuring the attainment of each of the Program Outcomes and Program Specific Outcomes are mentioned below: Method of assessment of POs / PSOs are assessed with the help of course outcomes of the relevant courses through direct and indirect methods. Direct methods are provided through direct examinations or observations of student knowledge or skills against measurable course outcomes. The knowledge and skills described by the course outcomes are mapped to specific problems on University Examination, internal exams and home assignment. Finally, program outcomes are assessed and Program Assessment concludes the PO attainment level is achieved. At the end of each semester, university conducts examinations based on them result is published by university and the course outcomes are measured. Assignments are given at the end of every 1.5 units. The assignments are provided to students and they refer the text books and reference books to find out the answers and understand the expected outcome of the given problem. Three internal tests are conducted per semester for the following purposes: To ensure that students have achieved desired level of competencies at module level. To evaluate, whether corresponding COs are achieved or not. According to the performance of the student in answering each question, mapping is carried out with the respective COs for assessing the attainment level of the specific CO of the subject. Alumni survey is an important assessment tool to find out following important factors: Indirect once in a year Level of relevance of the curriculum with the expected skills of the industries. The level of attainment of goal for the specified program. Employer surveys are conducted for finding out whether the knowledge, skill and attitude learned from this institution is adequately satisfying their expectation or not. The objective of conducting the student exit survey is to identify several factors for future strategy framing once in a year. To understand the impact of training they understand the strength and weakness of various value added courses and pre-placement training imparted.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 2.6.2 Attainment of POs and COs are evaluated. Explain with evidence in a maximum of 500 words

#### Response:

In the Outcome Based Education (OBE), assessment is done through one or more than one processes, carried out by the department, that identify, collect, and prepare data to evaluate the achievement of course outcomes (CO's). The process for finding the attainment of Course outcomes uses various tools/methods.

These methods are classified into two types: Direct methods and indirect methods. Direct methods display the student's knowledge and skills from their performance in the class/assignment test, internal assessment tests, assignments, semester examinations, seminars, 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 to reflect on student's learning. They are used to assess opinions or thoughts about the graduate's knowledge or skills. Rubrics are used for both formative and summative assessment of students. Same rubric is used for assessing an outcome so that the faculty is able to assess student progress and maintain the record of the same for each student. The rubrics

are shared with students before being evaluated so that they are aware of the performance criteria and their weightage. The CO List are updated in internal assessment question paper.

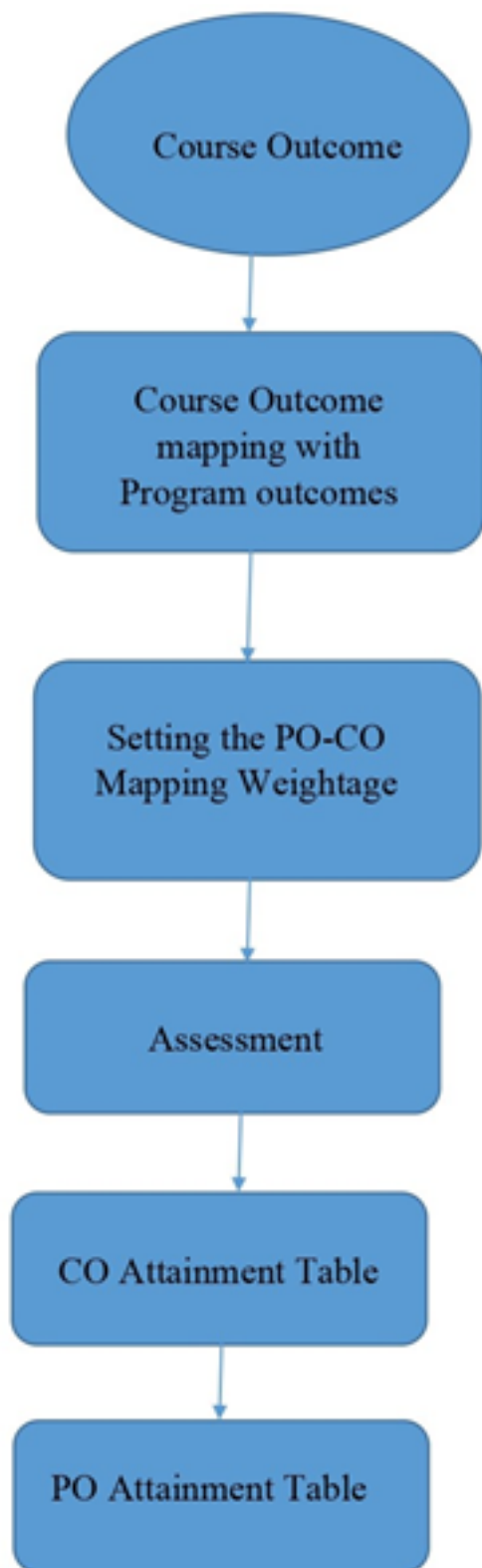
**Direct Assessment methods:**

Continuous Assessment: COs are assessed through sessional & assignment examinations, home assignments and lab records. The COs are mapped against each question and CO analysis is carried out by faculty for each course and documented in faculty course assessment report. The contribution of COs is assessed in high, moderate and low levels, towards the attainment of POs/PSOs.

End-semester theory Examinations: The questions for end semester examinations are tested pertaining to all COs, in varying Blooms Taxonomy Levels. Laboratory Records: Both continuous and semester-end examinations are conducted to test the COs attainment.

**Indirect Assessment Methods:**

Programme – Exit survey: This survey taken from the students which stands as the comprehensive feedback for the PO/PSO assessment. The final PO attainment is calculated by taking 80% of PO and PSO achievement from direct method and 20% of PO and PSO achievement from Indirect method. The obtained values will be compared with the set attainment target fixed for each PO and PSO.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**2.6.3 Pass percentage of Students during last five years (excluding backlog students)****Response:** 91.33**2.6.3.1 Number of final year students who passed the university examination year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
166	195	235	224	244

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

2021-22	2020-21	2019-20	2018-19	2017-18
173	205	243	263	281

<b>File Description</b>	<b>Document</b>
Institutional data in the prescribed format	<a href="#">View Document</a>
Certified report from Controller Examination of the affiliating university indicating pass percentage of students of the final year (final semester) eligible for the degree programwise / year-wise.	<a href="#">View Document</a>
Annual report of controller of Examinations(COE) highlighting the pass percentage of final year students	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.97

<b>File Description</b>	<b>Document</b>
Upload database of all students on roll as per data template	<a href="#">View Document</a>

## 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 in the institution during the last five years (INR in Lakhs)**

**Response:** 0.15

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0.075	0.075	0

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.2 Innovation Ecosystem

**3.2.1 Institution has created an ecosystem for innovations, Indian Knowledge System (IKS), including awareness about IPR, establishment of IPR cell, Incubation centre and other initiatives for the creation and transfer of knowledge/technology and the outcomes of the same are evident**

**Response:**

MRK Institute of Technology provides Innovation Eco System by taking serious efforts in thrusting research culture and providing research ambiance across various disciplines of the Institution since from the inception. MRKIT encourages, engages and directs the faculty members in research oriented activities. In addition to this, MRK IT has got approval for 'Centre for Research' in the Mechanical Engineering Discipline in the year 2017. Also MRKIT has got two funded project from the Govt. of Tamilnadu for the Mechanical Engineering and Civil Engineering Departments.

MRK Institute of Technology, established an Institution's Innovation cell (IC) as per the guidelines of the Ministry of Human resource and Development of Govt. of India with an objective to provide technological ecosystem in the disciplines of engineering, to bring out innovative outcomes and to adopt green techniques using the core strengths of the students, faculty and Institution. . Staff members and students were encouraged to publish articles in national and international journals. Also several publications were also made through the relentless effort of the staff members. This facilitated the students and faculty to work on In-House projects and publications in the name of the stakeholder and MRK Institute of Technology.

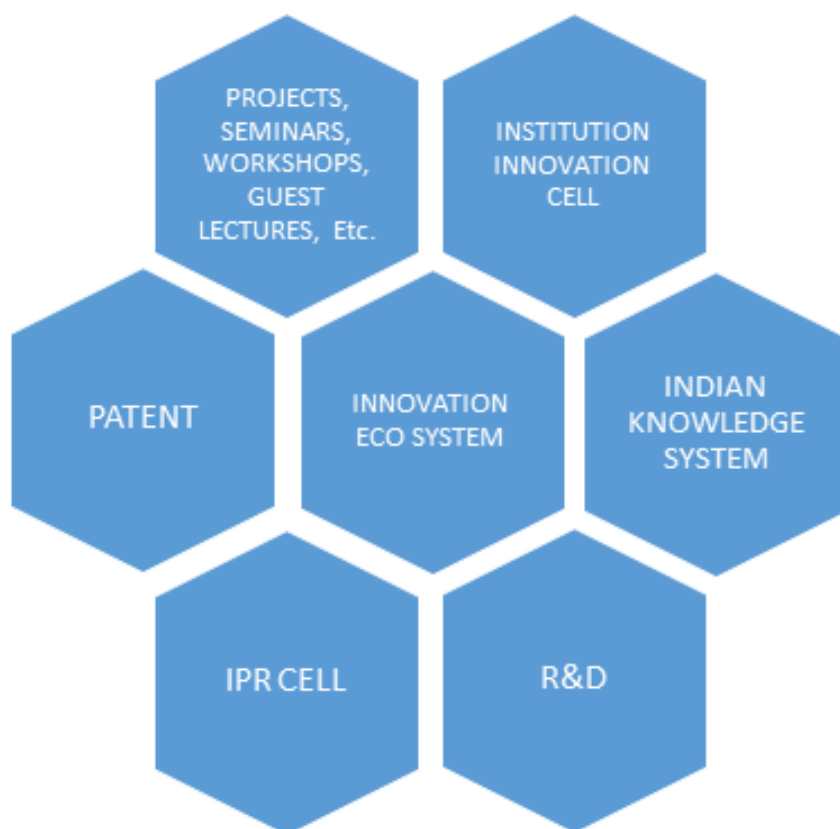


R&D Cell was established with a vision to transfer technology from the available resource to an innovative end point. Hence staff members and students were motivated to involve in research oriented activities by organizing several workshops, seminars and webinars both through regular and online mode. Resource person from the core areas of research and Intellectual Property Rights (IPR) are invited to the institution to enlighten our students and staff with recent trends, different methodologies, available funding agencies for research and about getting copyrights, patents, etc.

The MRKIT's Entrepreneurship Development Cell (MRKIT EDC), focuses the benefits of the students and to educate them to capitalize the opportunities available. The hub also conducts various activities like workshops and webinars to expose the students, the ins and outs of the contemporary business environment. Also MRK Institute of Technology has been conducting regular programmes with Institutions which has got national level acknowledgment like ICT Training Academy for directing students into professional development and self reliable.

Professional Society chapters like ISEEE for departments of EEE and ECE, ISME from the department of Mechanical, CSI from the department of Computer Science and Engineering, and ISTE for all the departments have created a greater impact for the students to work on leading Innovative Technologies.

The Memorandums of Understanding (MoUs) were also signed with the leading companies and centers of excellence for mentoring the students and train them in the latest technological fields of engineering. Several collaboration activities were conducted under the MoUs. Webinars, Industrial Visit Programmes, field visit programs for all departments were held to promote and to bridge the gap for the Industry-Institute interactions. Faculty members interact with the industry to understand functional challenges through applied research or student projects. Students and Faculty members exchange programmes were also conducted for making into reality the Technology transfer. Students undertake several Internship Programmes, research and academic related activities.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 61

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

2021-22	2020-21	2019-20	2018-19	2017-18
10	10	17	14	10

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

#### 3.3.1 Number of research papers published per teacher in the Journals notified on UGC care list during the last five years

Response: 0.19

##### 3.3.1.1 Number of research papers in the Journals notified on UGC CARE list year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
33	07	02	12	03

File Description	Document
Link to the uploaded papers, the first page/full paper(with author and affiliation details)on the institutional website	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 3.3.2 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

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

2021-22	2020-21	2019-20	2018-19	2017-18
0	0	0	0	0

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the Cover page, content page and first page of the publication indicating ISBN number and year of publication for books/chapters	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.4 Extension Activities

#### 3.4.1 Outcomes of Extension activities in the neighborhood community in terms of impact and sensitizing the students to social issues for their holistic development during the last five years.

##### Response:

##### Red Ribbon Club (RRC)

MRKIT associated with RRC in the year 2014 with the volunteering of 100 students. It aims to organize awareness camps on AIDS and Blood Donation at regular intervals, to serve as forums for students to participate in the fight against HIV/AIDS, to promote voluntary blood donation among youth, to motivate youth and build their capacity as peer educators and equipping themselves by developing their skills on leadership, negotiation, and team building, to counsel the students regarding the various preventives for their proper health. RRC regularly conducting the following activities:

- Blood Donation Camp.
- Celebrating Life-AIDS Awareness Programme.
- Covid 19 awareness programme.

##### Youth Red Cross (YRC):

MRKIT associated with YRC and organizing activities from the year 2015 with the involvement of the entire students' strength of the institution. about 28 student members with a Coordinating Officer is organizing blood donation camps joining, hands with different hospitals and organizations in and around the city. In addition, the students of the YRC volunteers in large number to donate blood as and when it is sought for in case of emergencies. The following activities are conducted through YRC:

- National Disaster Programme.
- World Students Day
- International for non Violence
- National Education Day
- Tree Plantation.

##### National Service Scheme (NSS)

MRK Institute of Technology has an active NSS unit, which is a part of the NSS wing of the affiliating University viz. Anna University, with a dynamic crew of 100 students. The NSS wing periodically involves the programme officers of the colleges and takes up the following activities:

- Swachh Bharath,
- AIDS awareness programmes,
- Blood Donation Camps,
- Election Awareness programmes,
- Tree saplings plantation programmes,
- Gender Issue Programmes,
- Health Camp Programmes,
- Cleaning campaigning programmes, etc...

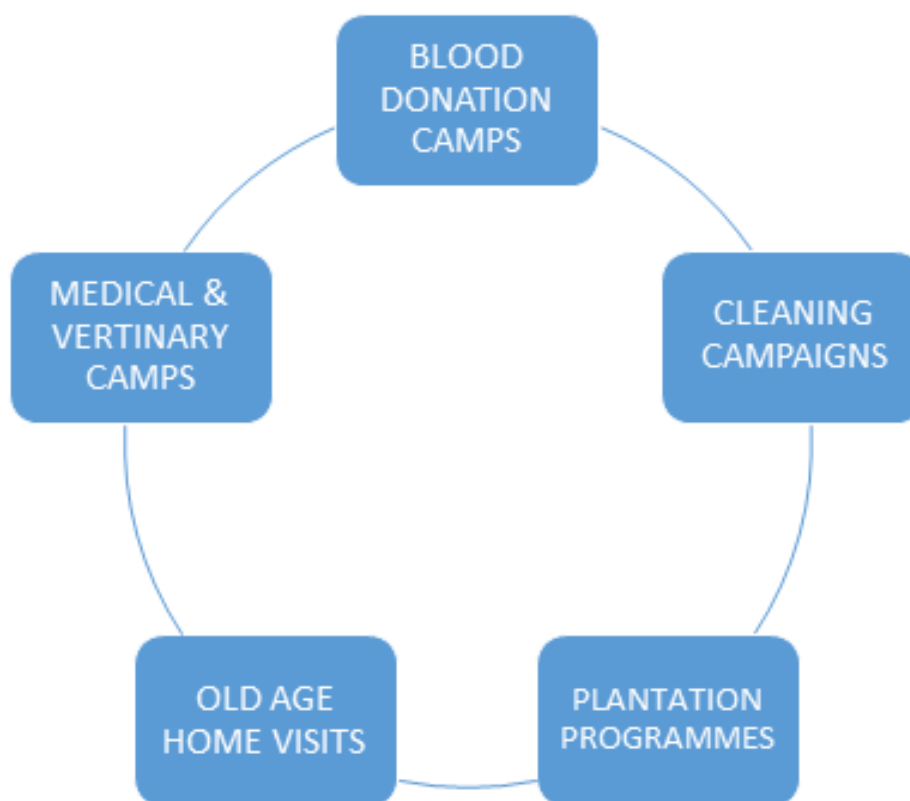
The NSS unit of MRKIT with its 100 students conducts several outreach programmes every year in and around villages of the college. The NSS unit highly focuses on educating the neighbouring villages about sanitation and hygiene. Through these activities students develop a feeling of responsibility that they should contribute back to the society and the environment. Also at the emergency times student and staff volunteering themselves in activities like distributing Nilavembu Kashayam, Kabasura Kudineer to the needy. Periodical Camp programmes are also conducted, in which students stay in the surrounding villages for about 7 days a year to carry out NSS activities which include revamping the school buildings and temples, arranging medical checkup camps, veterinary camps, etc.. Awareness programmes are also organized for the public to sensitise on social issues like traffic regulations, election awareness programmes, drug abuse, etc.

#### **National Cadet Corps (NCC):**

MRKIT got approval for NCC in the year 2020 and it is the only affiliated institution in the zone to get NCC Army unit 4 (TN) CTC NCC. It has got 2 batches with strength of 17 students per batch. NCC students regularly attend the following programmes as per their NCC schedule and got B Certificates. The Institution also takes measures to get approval for Naval wing and the application has been in the waitlist. NCC conducts the following programmes:

- Training Programmes,
- Camps,
- Drill parades.

#### **EXTENSION ACTIVITIES NSS, YRC, RRC and NCC**



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 3.4.2 Awards and recognitions received for extension activities from government / government recognised bodies

#### Response:

Extension and outreach programmes that MRKIT had undertaken are on the institution's ethical grounds with a view to promote community services through the setting-up wings of RRC, YRC, NSS and NCC with the active involvement of the students. MRK Institute of Technology has also got proud moments when receiving recognition at the state level for its relentless effort for involving in servicing the neighborhood and outreach activities. The institution has never missed a chance of earning good will and recognition from the neighboring communities, villages and also from government for the extension and outreach activities that the institution has carried out through RRC, YRC, NCC and NSS. The goodwill and recognition that the institution earned for the extension and outreach programmes are remarkable which has been accomplished by getting some work force of volunteering of the students and faculty members of the college. These outreach activities ensure that the students are sensitized about the social issues pertaining to the surroundings.

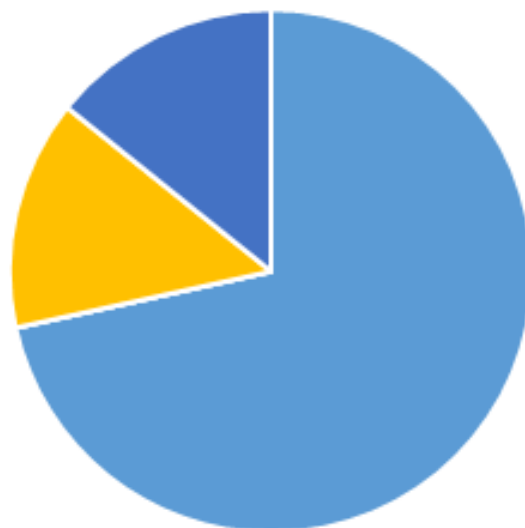
The outcome is that students become well rounded personalities apart from excelling in their own careers. By living with the villagers, the students tend to understand the dignity of labor, the difficulties faced by the village people and these in turn shape them into socially conscious citizens. About 100% of

the students participated in the extension activities during the last five years. Apart from the usual extension activities, our Institution has also working on humanitarian grounds like visiting the old age home run by NGOs and giving relief materials to the needy at the times of natural disasters like floods, pandemic period etc. Active involvement of students in such activities shapes them into responsible human beings, conscious of the social issues and contributes for their holistic development.

MRK Institute of Technology strongly realises that the dissemination of knowledge and skill void of responsibility is a sheer danger to the society. Hence to groom students with such social responsibility and to work ethically, participation of students in extension and outreach activities are indispensable. MRK IT with its faculty and students' support has contributed its maximum cooperation for the benefit of the neighbouring regions via Institution's NSS unit through the activities like:

As a result of this, our Institution has got Best NSS Unit award in the academic year 2018-'19 at the State level. The award was received by the Institution's Principal, Dr. K. Anandavelu, from the hands of the then Vice Chancellor of Anna University, Chennai, Dr. Surappa. Also in the consecutive academic year 2019-'20 the institution has got yet recognition from the Anna University, Chennai. The NSS Coordinator of our Institution, acted in full swing during the year and consequently, the NSS Coordinator, Mr. N. Sithivinayagam, Assistant professor in the department of Mechanical Engineering, has received the Best NSS Officer Award from the Vice Chancellor of Anna University, Dr. Surappa. Apart from them, the institution receives several recognitions from schools and concerned authorities of the neighborhood communities for the institution's support in conducting cleaning campaigns, awareness programmes, medical camps, etc. The awards the Institution received are impetus to the whole institution for serving the neighbouring community with yet more enthusiasm.

AWARDS & RECOGNITIONS RECEIVED FOR EXTENTION ACTIVITIES IN TERMS OF YEARS



■ 2021-22 ■ 2020-21 ■ 2019-20 ■ 2018-19 ■ 2017-18

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**3.4.3 Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.**

**Response:** 42

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

2021-22	2020-21	2019-20	2018-19	2017-18
17	03	04	09	09

File Description	Document
Photographs and any other supporting document of relevance should have proper captions and dates.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Detailed report for each extension and outreach program to be made available, with specific mention of number of students participated and the details of the collaborating agency	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 3.5 Collaboration

**3.5.1 Number of functional MoUs/linkages with institutions/ industries in India and abroad for internship, on-the-job training, project work, student / faculty exchange and collaborative research during the last five years.**

**Response:** 23



<b>File Description</b>	<b>Document</b>
Summary of the functional MoUs/linkage/collaboration indicating start date, end date, nature of collaboration etc.	<a href="#">View Document</a>
List of year wise activities and exchange should be provided	<a href="#">View Document</a>
List and Copies of documents indicating the functional MoUs/linkage/collaborations activity-wise and year-wise	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

#### 4.1.1 The Institution has adequate infrastructure and other facilities for,

- teaching – learning, viz., classrooms, laboratories, computing equipment etc
- ICT – enabled facilities such as smart class, LMS etc.

**Facilities for Cultural and sports activities, yoga centre, games (indoor and outdoor), Gymnasium, auditorium etc (Describe the adequacy of facilities in maximum of 500 words.)**

#### **Response:**

MRK Institute of Technology strongly believes that adequate infrastructural facilities are the key element and it will provide ample opportunities for both faculty and students for providing quality education leading to innovations, academic development and growth of capable, confident and responsible engineering graduates. Thus, it has built up an impressive and state of art infrastructure with modern facilities and learning resources as per the prescribed norms of statutory bodies like AICTE and Anna University.

#### **ICT Enabled class rooms:**

The classrooms of all departments consist of furniture, blackboard, LCD projectors and screens, audio systems, white boards and a computer with Internet connectivity, fans and lights for good Teaching-Learning process.

#### **Seminar Halls and Auditorium:**

The College has two seminar halls with LCD projectors, computers with internet connectivity and public address system and also it has an air-conditioned Auditorium for conducting various cultural activities and co-curricular activities.

#### **Laboratories:**

All laboratories in the institution are fully equipped with latest equipment to conduct experiments as per the regulations of AICTE and Anna University. Adequate safety measures have been incorporated and are displayed in the laboratories for the safety of the students.

#### **Library:**

The spacious digital library is equipped with 20 PCs which are connected with LAN for fast and seamless access of the internet. The digital library has facilitated with latest books and journals, reading hall, reprographic facilities. Also, it has DELNET, National Digital Library of India (NDLI) membership for access e-resources for the benefit of its users.

#### **Facilities for cultural and sports activities:**

## **Cultural Activities**

Cultural activities are conducted in seminar halls and auditorium on different occasions like Independence Day, Republic day, Hostel day and on such other important occasions. These halls are utilized for co-curricular activities such as Seminars, Guest lectures, Workshops, Symposiums, Conferences and Faculty development programs.

## **Sports**

The College provides ample facilities for the students to participate in sports and games in College, University, District and State levels competitions. Outdoor and indoor games facilities are effectively used by the students during and after the college hours.

Besides, college has a well-equipped gymnasium and yoga centre which is made used by the students and staff thus enabling a stress free and a healthy environment.

## **Gymnasium Facilities:**

The institute has separate gymnasium facilities for both boys and girls.

## **Yoga Facilities:**

Awareness and practices on Yoga classes conducted for both boys and girls besides Yoga Day is celebrated every year in the institute.

## **Miscellaneous facilities:**

Besides, the institution has the following facilities: Hostel and Transport facilities, Canteen facilities, well maintained Lift, Wheel chair for physically challenged students, RO water plant, Fire Extinguisher, Sanitary napkin vending machine, Water Purifier, CCTV Surveillance, Solar plant, Gen set, Biogas plant and Rainwater harvesting, NSS and NCC cell.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

#### 4.1.2 Percentage of expenditure for infrastructure development and augmentation excluding salary during the last five years

**Response:** 27.14

##### 4.1.2.1 Expenditure for infrastructure development and augmentation, excluding salary year wise during last five years (INR in lakhs)

2021-22	2020-21	2019-20	2018-19	2017-18
78.74	100.88	75.94	67.28	89.16

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for infrastructure augmentation should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

**4.2.1 Library is automated with digital facilities using Integrated Library Management System (ILMS), adequate subscriptions to e-resources and journals are made. The library is optimally used by the faculty and students**

### Response:

MRK IT library was established in the year 2009. It is the best learning resource centre, by means of a unique root architecture that allows soft natural light into the building while keeping the tropical heat out and it was built-up spaciouly with 307.8 Sq. m. It has 18,260 Volumes of books with a worth of Rs.61,00,699. It subscribes around 800 National/International journals and 10 magazines. It has CDs/DVDs on various technical topics, project reports and back volumes. The library also values the information available from the back issues of journals. These are categorized into separate bound volumes and are available for reference at all times. Indexing of the back issues is also done to facilitate easy access.

MRK IT library follows bar-code system to track the movement of the visitors, to check the availability of the resources and also equipped with facilities such as OPAC (Online Public Access Catalogue). In addition, library subscribes DELNET online information resources to facilitate acquiring advanced knowledge in the fields of Engineering, management studies and Science and Humanities. Internet browsing and photocopying facilities are available throughout the working hours in the library. The library functions with Impress ERP-NET software system. The students and faculty members are entered into the library with the help of e-gate system.

The spacious digital library is equipped with 20 PCs which are connected with LAN for fast and seamless access of the internet. Library is enabled with Wi-Fi bandwidth of 100 Mbps. It has a facility for taking photocopies of reference material. Viewer counters are available in the entrance of the library, which enables the members to search the books based on titles, key words and authors. They can also find the location of books easily by searching the accession number. IN time and OUT time with identity is registered using barcode scanning mechanism in the library gate. All the members are given access to e-journals (DELNET, NPTEL) and e-books for which subscription is done annually.

The students should renewal or return the books within 15 days and Staffs should renewal or return the book within 30 days. The central library of MRK IT has reading halls with the seating capacity of 150. Students are using back volume section, periodical section, newspaper section and reference section in

MRK IT central library.

LIBRARY WORKING HOURS	
Working Days	08.00 am to 07.00 pm
Holiday	08.00 am to 01.00 pm



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 4.3 IT Infrastructure

4.3.1 Institution frequently updates its IT facilities and provides sufficient bandwidth for internet connection *Describe IT facilities including Wi-Fi with date and nature of updation, available internet*

*bandwidth within a maximum of 500 words*

**Response:**

MRK Institute of Technology has adequate facilities of the information technologies including Wi-Fi and the internet connections is well spread through the campus and it is updated frequently. The institution is equipped with 516 internet connected computers and LCD projectors installed in all department class rooms. All the computers in the campus are provided with LAN facility. The college has well-equipped smart class rooms with projectors and internet connections. Conference and seminar halls also consist of computers with internet and LCD Projectors.

The entire college campus is connected through optical fiber network which ensures reliable connections by 24x7. Internet Facility is also available in the entire campus like hostel rooms, library, placement cell and all the laboratories and speed of the internet connectivity is 100 Mbps (AIRTEL).

The college has more than 20 Wi-Fi hotspots with extenders provided to cover the wireless range throughout the college. All computers in the campus are connected to the internet as it is essential for them to work. Also surplus Ethernet ports are provided for laptops or other devices in need of internet connectivity.

A separate team with in-house staff is formed to take care of the IT & related needs of the campus such as Software Development, Hardware & Networking, Website designing & hosting, Email solutions, SMS solutions etc. The entire campus including Hostels has Wi-Fi connectivity.

Name of the Internet provider: AIRTEL

Available Bandwidth: 100 Mbps (AIRTEL)

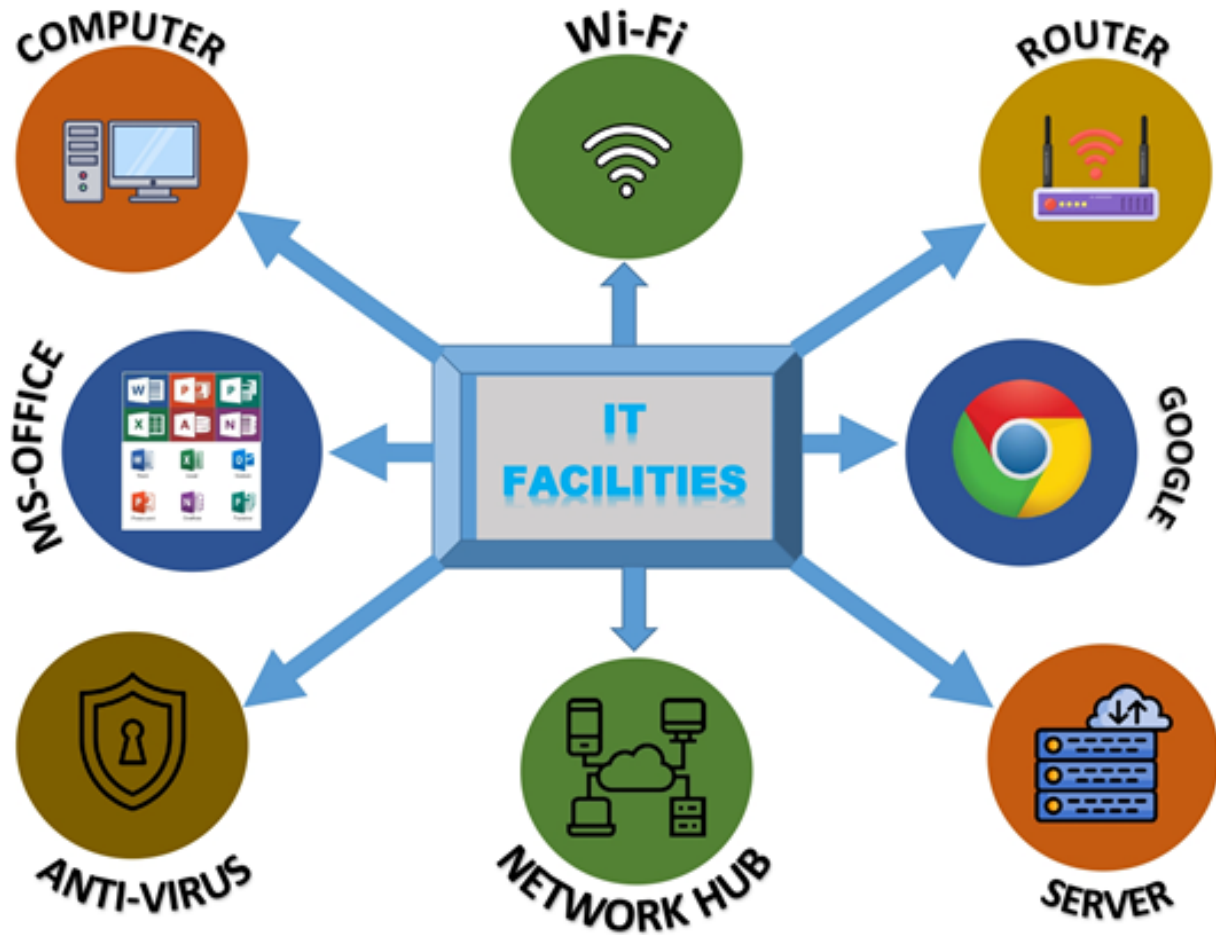
Wi Fi Availability: Yes, Campus including Hostels

Upload / Download: 77.46 Mbps / 82.43 Mbps (leased optical fiber line)

Internet Access in Labs, Classrooms, Library, Office, Departments, Hostel: Yes

Availability in Faculty Cabin with College email ID: Yes, Individual

Network Security Arrangements: Yes, Sophos Hardware firewall



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 2.12

**4.3.2.1 Number of computers available for students usage during the latest completed academic year:**

**Response:** 450



File Description	Document
Purchased Bills/Copies highlighting the number of computers purchased	<a href="#">View Document</a>
Extracts stock register/ highlighting the computers issued to respective departments for student's usage.	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

#### 4.4 Maintenance of Campus Infrastructure

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

**Response:** 30.95

##### 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)

2021-22	2020-21	2019-20	2018-19	2017-18
83.08	92.26	106.28	88.85	99.49

File Description	Document
Institutional data in the prescribed format	<a href="#">View Document</a>
Audited income and expenditure statement of the institution to be signed by CA for and counter signed by the competent authority (relevant expenditure claimed for maintenance of infrastructure should be clearly highlighted)	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

**5.1.1 Percentage of students benefited by scholarships and freeships provided by the institution, government and non-government bodies, industries, individuals, philanthropists during the last five years**

**Response:** 83.92

**5.1.1.1 Number of students benefited by scholarships and freeships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
850	720	724	747	790

File Description	Document
Year-wise list of beneficiary students in each scheme duly signed by the competent authority.	<a href="#">View Document</a>
Upload Sanction letter of scholarship and free ships (along with English translated version if it is in regional language).	<a href="#">View Document</a>
Upload policy document of the HEI for award of scholarship and freeships.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**5.1.2 Following capacity development and skills enhancement activities are organised for improving students' capability**

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
Report with photographs on Programmes /activities conducted to enhance soft skills, Language and communication skills, and Life skills (Yoga, physical fitness, health and hygiene, self-employment and entrepreneurial skills)	<a href="#">View Document</a>
Report with photographs on ICT/computing skills enhancement programs	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.1.3 Percentage of students benefitted by guidance for competitive examinations and career counseling offered by the Institution during the last five years

**Response:** 88.65

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

2021-22	2020-21	2019-20	2018-19	2017-18
775	775	791	834	872

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

### 5.1.4 *The institution adopts the following for 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
Proof w.r.t Organisation wide awareness and undertakings on policies with zero tolerance	<a href="#">View Document</a>
Proof related to Mechanisms for submission of online/offline students' grievances	<a href="#">View Document</a>
Proof for Implementation of guidelines of statutory/regulatory bodies	<a href="#">View Document</a>
Details of statutory/regulatory Committees (to be notified in institutional website also)	<a href="#">View Document</a>
Annual report of the committee motioning the activities and number of grievances redressed to prove timely redressal of the grievances	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.2 Student Progression

### 5.2.1 Percentage of placement of outgoing students and students progressing to higher education during the last five years

**Response:** 70.8

#### 5.2.1.1 Number of outgoing students placed and / or progressed to higher education year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
134	142	151	165	230

#### 5.2.1.2 Number of outgoing students year wise during the last five years

2021-22	2020-21	2019-20	2018-19	2017-18
170	205	239	264	283

File Description	Document
Number and List of students placed along with placement details such as name of the company, compensation, etc and links to Placement order(the above list should be available on institutional website)	<a href="#">View Document</a>
List of students progressing for Higher Education, with details of program and institution that they are/have enrolled along with links to proof of continuation in higher education.(the above list should be available on institutional website)	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 5.2.2 Percentage of students qualifying in state/national/ international level examinations during the last five years

**Response:** 2.36

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

2021-22	2020-21	2019-20	2018-19	2017-18
1	2	1	3	1

File Description	Document
List of students qualified year wise under each category and links to Qualifying Certificates of the students taking the examination	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 5.3 Student Participation and Activities

### 5.3.1 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)

**during the last five years**

**Response: 35**

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

2021-22	2020-21	2019-20	2018-19	2017-18
6	0	5	14	10

File Description	Document
Upload supporting document	<a href="#">View Document</a>
list and links to e-copies of award letters and certificates	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

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

**Response: 5.6**

**5.3.2.1 Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
07	0	06	08	07

File Description	Document
Upload supporting document	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>

## 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 MRKITMMS Alumni Society (Old Students Association) is a non-profit-making registered society under the Tamil Nadu Societies Registration Act, 1975 (Tamil Nadu Act 27 of 1975). New Delhi bearing the registration number SRG/Chidambaram/15/2022. The association is dedicated to bringing together the alumni committee on a common platform to build another channel of personal and professional support for members through "self-help" within the community. The mission of MRKITMMS is to provide a vibrant, global network and forum that connects and engages alumni with their alma mater.

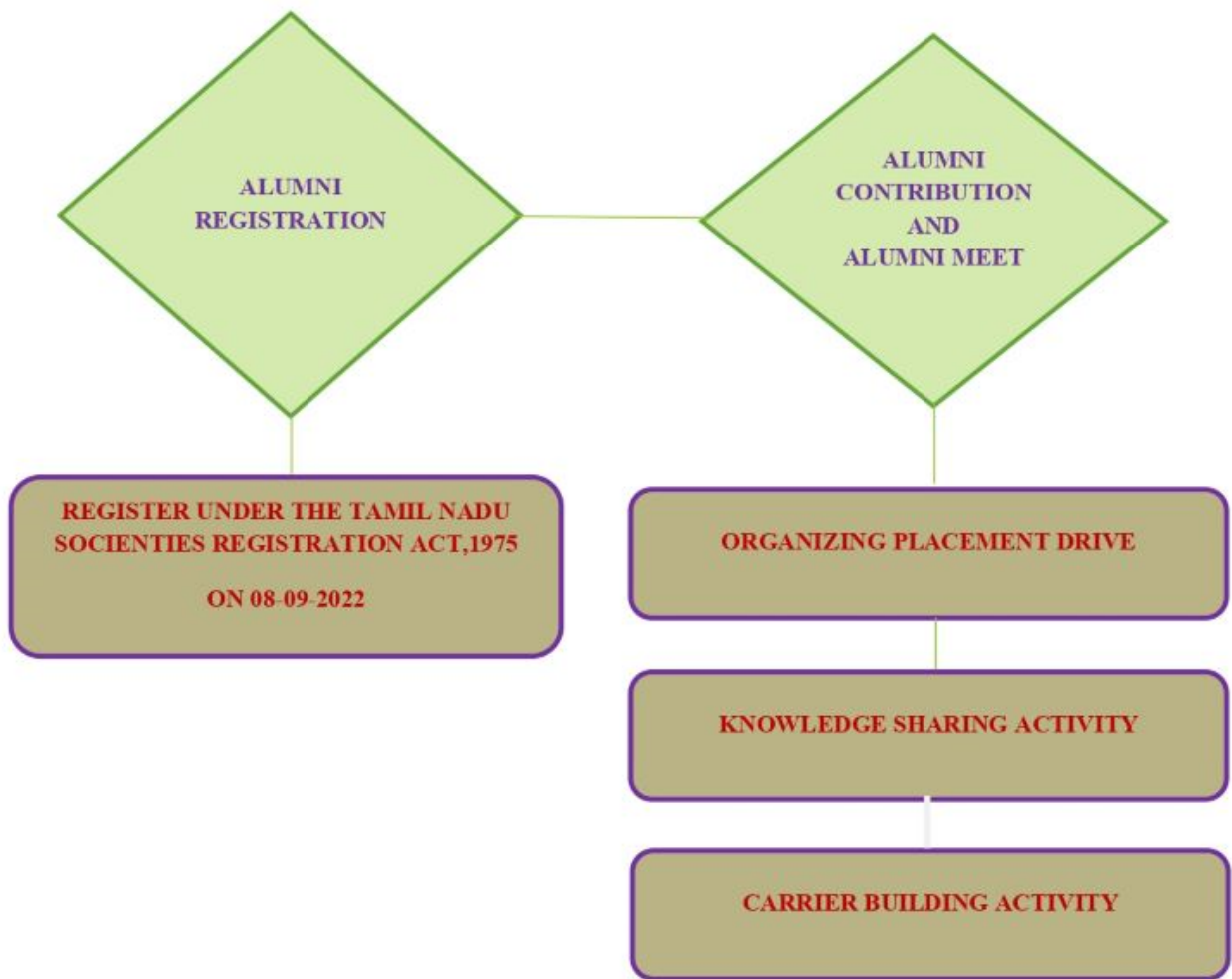
The objectives of the association are:

- Involve alumni in student development through participation in ongoing academic activities including teaching, research, workshops, conferences, and placements.
- Champion all relevant fundraising activities for the development of the college.
- to promote best practises in different areas of social life for the benefit of society.
- To promote literacy, culture, and other social activity through awareness programmes such as adult education classes, lectures, essay competitions, symposiums, cultural programmes, and seminars.
- To create a forum, MRKITMMS, to exchange views and experiences and share them with the present students of the college.
- to enable the alumni to take part in the institute's activities that will contribute to the improvement of the institute.
- to institute prizes and scholarships for students of the institute on a merit basis.

The alumni association exists to support to strengthen the institution and achieve goals between the alumni and institution. The alumni association plays a pivotal role in the development of the institution. The institution has the privilege to mention that it has a rich history of students' success and glory. Also, it has established a wide network of old students to rejuvenate the memories of the college. The association regularly meets and interacts with the management, faculty and students to facilitate the association of alumni with their alma mater by promoting interaction and networking among alumni of the institute. The alumni association provides selected alumni participation in ongoing academic activities, including teaching, research, workshops, conference events, personality development and placements. The association has been expanded and strengthened with new enrolments. The alumnus is all visiting the institution for various activities, and their suggestions are taken into account. Alumni Day is celebrated, and their achievements are recognised. Successful alumni are selected as guests of honour for awards.

**Entrepreneurship Assistance:**

The college has always promoted the spirit of entrepreneurship among students. Alumni entrepreneurs have shared their experiences with the students through the "Entrepreneurship Development Cell". Alumni actively contribute by helping students set up their start-up companies.





<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

**6.1.1** *The institutional governance and leadership are in accordance with the vision and mission of the Institution and it is visible in various institutional practices such as NEP implementation, sustained institutional growth, decentralization, participation in the institutional governance and in their short term and long term Institutional Perspective Plan.*

**Response:**

#### VISION, MISSION, QUALITY POLICY

***The Vision:***

To emerge as a sanctum of technical education to bring out self- fulfilled and adept engineers to meet the requirements of the society and posterity with nobleness, novelty, knowledge and education.

***The Mission:***

To disseminate high quality technical education to the rural mass with an Endeavour to transform them as a responsible citizen. Enriching the standard through high quality infrastructure and efficient teaching faculty. Encouraging research activities, development and teaching programmes on par with international students. To mould the students who can facilitate the search of humanity for the knowledge.

***The Quality Policy:***

To impart education and training in international standard and providing a conducive atmosphere suitable for both teaching and learning with an objective of continual improvement of the institution as a sanctum of technical institution emphasizing nobleness, novelty, knowledge and education.

Make up the students to identify the topical needs of the ever changing society and amalgamate them with the opportunities of the global market with professional competency, courage and confidence to become distinguished engineers to lead the world.

#### Various Institutional Practices

**Top-level managers** The management through the Principal involves the faculty members in various activities related to the development of the Institution.

The Principal heads the academic and administrative activities of the Institute, forms various committees and assigns responsibilities.

**Middle-level managers** act as an intermediary between top-level management and low-level management. It includes Head of the Departments (HOD), Librarian, Physical Education Director who are executing institutional plans.

**Low-level managers** include faculty, non-teaching staff and others help the middle level managers by

coordinating the activities delegated to them.

In all academic and non-academic activities, institution is following participative management for implementation of all its decisions.

## DECENTRALIZATION

**MRK Institute of Technology encourages and motivates a culture of decentralization and participation management. The faculty members involve themselves in various administrative roles and responsibilities.**

### Participation Management

Participative management is at the core of decision making at MRK Institute of Technology. The Management, Principal, Faculty and students are encouraged to participate in all activities to better the Institution's functioning.

**Decision Making Level:** The Governing Council, Principal and HOD's play a key role in formulating Policies, Regulations, Admission guidelines, Training & Placements, Grievance Redressal etc., The various Committees are headed by HOD's or other faculty members who contribute to the Institution's sound functioning.

**Functional Level:** The faculty members are actively involved in the discussions of academic interest and provide their suggestions to the Principal and HOD's. They play an active role in the various Department activities, including budget preparation, purchase of essentials for laboratories etc.

**Implementation Level:** The Governing Council and Management set the standards and expectations as per the Institution's Vision and Mission. The Administrative Officer and staff have a significant part in the Institution's day-to-day affairs.

### Case Study: International Women's Day

Our Institution celebrates International Women's Day to advance the cause of Women's empowerment. Every year, the Institution celebrates International Women's Day.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

**6.2.1 The institutional perspective plan is effectively deployed and functioning of the institutional bodies is effective and efficient as visible from policies, administrative setup, appointment, service rules, and procedures, etc**

**Response:**

MRK Institute of Technology has got various strategic plans for implementation and achieves excellence in all aspects such as academic, placements and research. Hence the management council has a strategic plan which includes getting NAAC accreditation and Permanent Affiliation for all UG & PG programmes.

**Objectives:**

The primary goal is to equip the students with relevant and conceptualized professional skills and in turn to guide them towards a deserving career all around the world with the values of – ‘Sincerity’, ‘Hard Work’ and ‘Ethics’.

**1. Interaction with Companies:**

- Signing MoUs with Industries and Placement Training Companies
- Support for Start-ups through EDC
- Direct Communication Through E-Mails and Calls.
- References
- Through Experts’ Session/Workshops/Seminars
- Advertisement/Publicity by sending/giving Brochures
- Alumni Contacts
- Direct Contacts from Companies based on Past Recruitments

**2. Training and Placement Coordinator:**

- Coordinates in both placement On-Campus/Off-Campus drives
- Bridges the gap between the T&P department and Students
- Provides necessary supports for the following points: communicating interview details, ensuring students’ attendance in drives, post drive follow-up activities etc.

**3. Database Management:**

Management of Students, Industries, and Placement records and coordination through Website.

**4. Activities where students are actively involved:**

- Supporting for maintaining/updating student database.
- Supporting for preparing and maintaining Corporate Database.

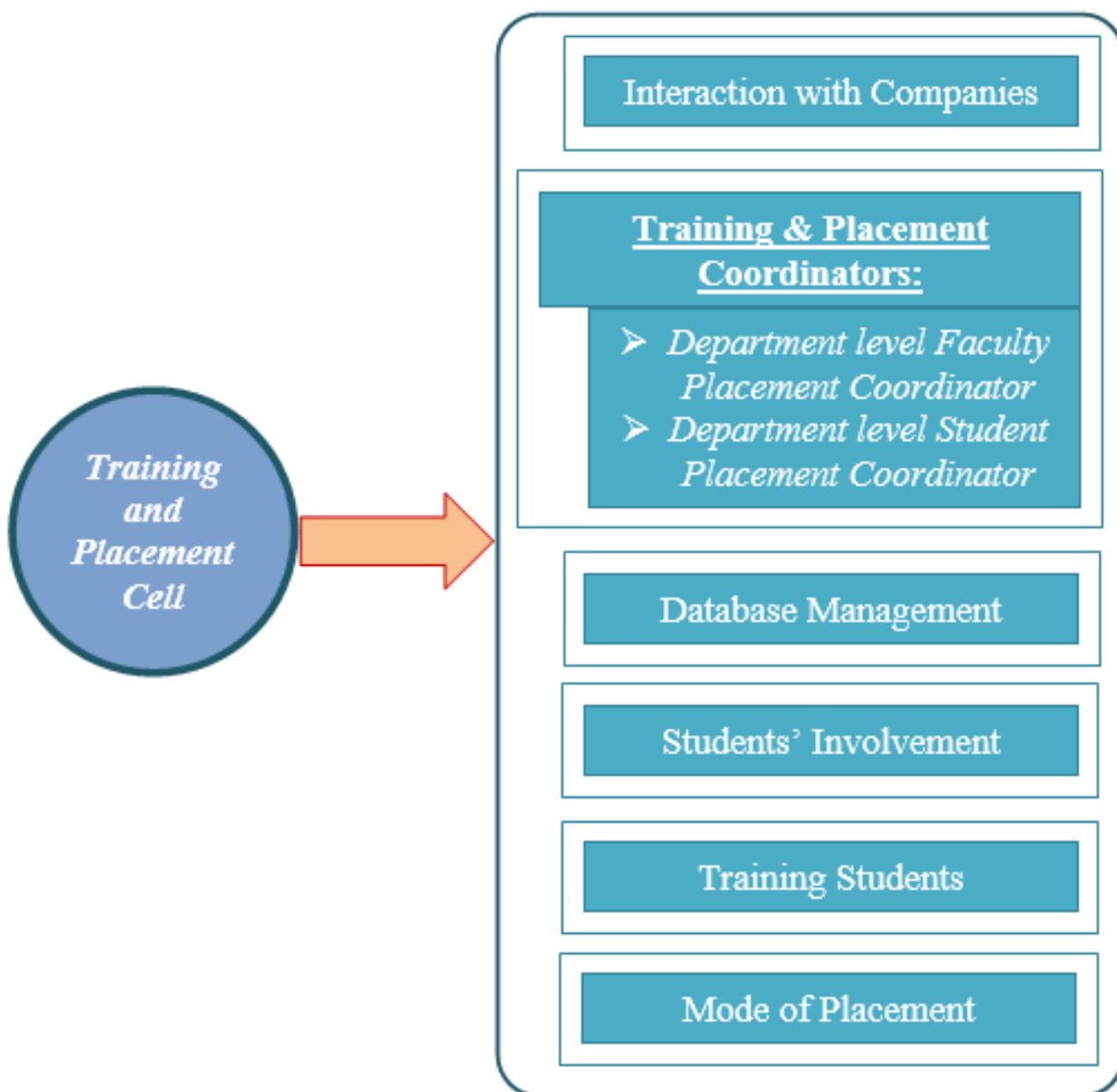
**5. Training Students:**

Organizing Aptitude & Soft Skills Training Programs, mock Group Discussion Sessions, mock Technical Interviews, and Mock Tests to improve communication and interview skills, and strengthening coding skills.

**6. Modes of Placement:**

- On campus Interview
- Off campus interview

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



### Governing body:

The management stands as an asset to the system and stakeholders. MRKIT builds a better nation through "Transforming Lives" being the motto of the institute.

### Administrative setup:

The Principal, HODs, Year coordinator, class advisors and students representatives are sanctioned impress amount, for seeing the execution of multiple events scheduled.

### Recruitment Policies:

- Recruitment of teaching, non-teaching and administrative staff is planned at the end of every academic year as per the requirements of the next academic year
- The Head of the department assesses the need for additional faculty based on workload calculation and specialization requirement.

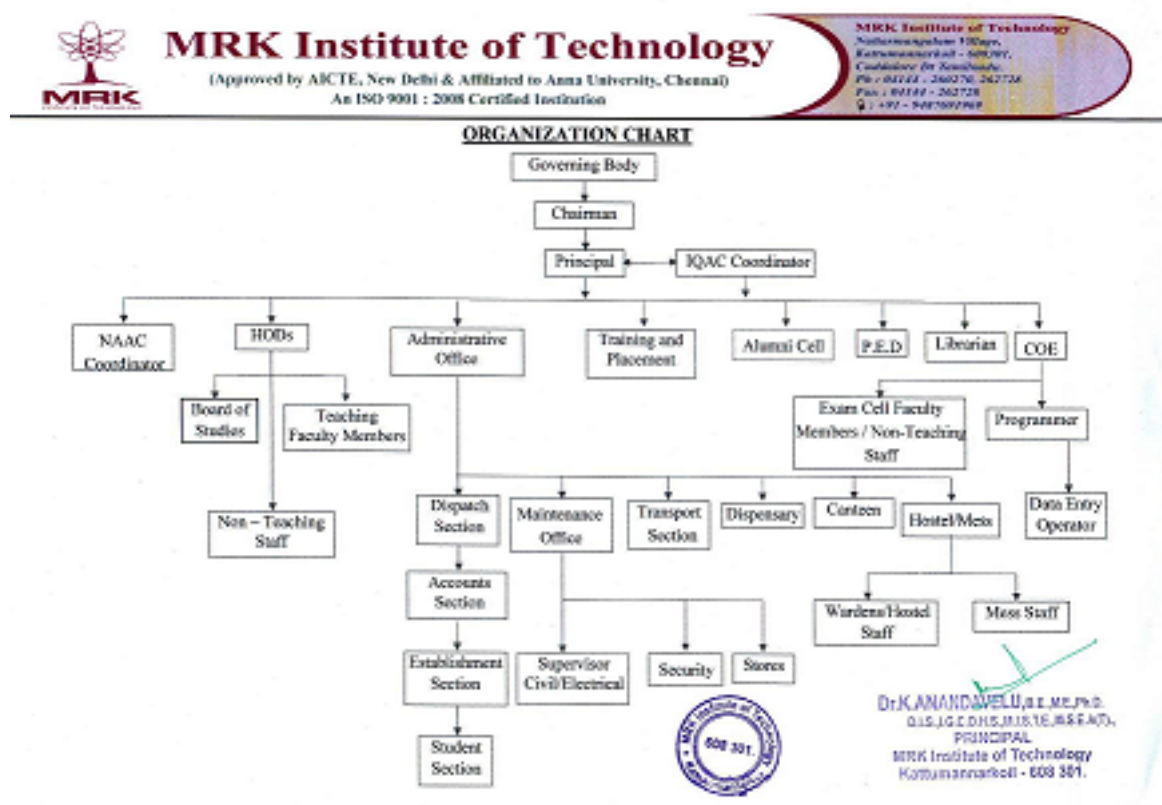
- The interview board is constituted with a subject expert drawn from Anna University.
- The other members in the board include the Principal, and the Head of the department concerned.

**Promotion Policies:**

The self-appraisal form is filled in by all faculty members, with endorsement by the HoD.

**Grievance Redressal Mechanism:**

- Enquires the issues from representatives of the students forwarded by the Principal.
- Submitting the report of the committee to the Principal for further action



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Institutional perspective Plan and deployment documents on the website	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

**6.2.2 Institution implements e-governance in its operations**

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

**4. Examination****Response:** A. All of the above

<b>File Description</b>	<b>Document</b>
Screen shots of user interfaces of each module reflecting the name of the HEI	<a href="#">View Document</a>
Institutional expenditure statements for the budget heads of e-governance implementation ERP Document	<a href="#">View Document</a>
Annual e-governance report approved by the Governing Council/ Board of Management/ Syndicate Policy document on e-governance	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3 Faculty Empowerment Strategies**

**6.3.1 The institution has performance appraisal system, effective welfare measures for teaching and non-teaching staff and avenues for career development/progression**

**Response:**

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

MRK Institute of Technology works under Chandravadhanam Educational Trust, enlisted under Societies Act; it is an open association that is responsible for its explicit working. The Institute has set up well-established principles, regulations, complaint redressal components that are open at disposed Information Desk.

Faculty members are promoted for self-development programs and higher education, provided with free transport, purified drinking water, uniforms, waiver of fees, free accommodation, sabbatical leave, individual cabins, consultations, Provident Fund and Gratuity schemes, duty leaves, special leave, Maternity Leave, Paternity Leave, Study leave up to 3 years, Sabbatical Leave, financial support, higher studies sponsorship, incentives for publication, Institution appreciates faculty on acquiring higher qualifications and special achievements, up to 50 Thousand loan with no interest, Personal Accident Insurance and Group Insurance, Internet and free Wi-Fi facilities, orientation training for new teaching faculties.

**Institute performance appraisal system for teaching and non-teaching staff**

Quality teaching is the crucial element for analysing and improving students achievement and outcomes. The Performance Appraisal Report (PAR) is filled by every faculty and staff member at end of every semester for their performance evaluation.



### **Elements of faculty appraisal (Self- assessment)**

- Responsibilities and requirements to accomplish their jobs with effectiveness.
- Head of Department get blank self-appraisal form from Administrative Office
- Faculty members fill and submit their self -appraisal form within 15 days to Head of Department
- Parameters considered for filling appraisal form:
  - Academic performance
  - Student feedback
  - Particulars of research paper presented/published and book published
  - Involvement in research
  - Other achievements in last year

### **Elements of faculty appraisal (HOD assessment)**

HOD and faculty review self-assessment forms, discuss performance aspects, award marks, and submit comments to Principal Office.

### **Elements of faculty appraisal (Principal's assessment)**

Principal reviews appraisal form, provides counselling, and fills files.

### **Elements of staff appraisal (Self- assessment)**

- Appraisal form are given to every staff member by Administrative department
- Following details are requires to fill in form and submitted to Head of Department:
  - Contribution to the department
  - Steps taken to improve functioning in department
  - Quality of service provided
  - Record of mistakes committed and learning outcomes

### **Elements of staff appraisal (HOD assessment)**

- Head of Department award marks in self- assessment form and assesses their performance
- Depending on above points, Head of Department evaluates staff-members appraisal and submit it to Administrative office.

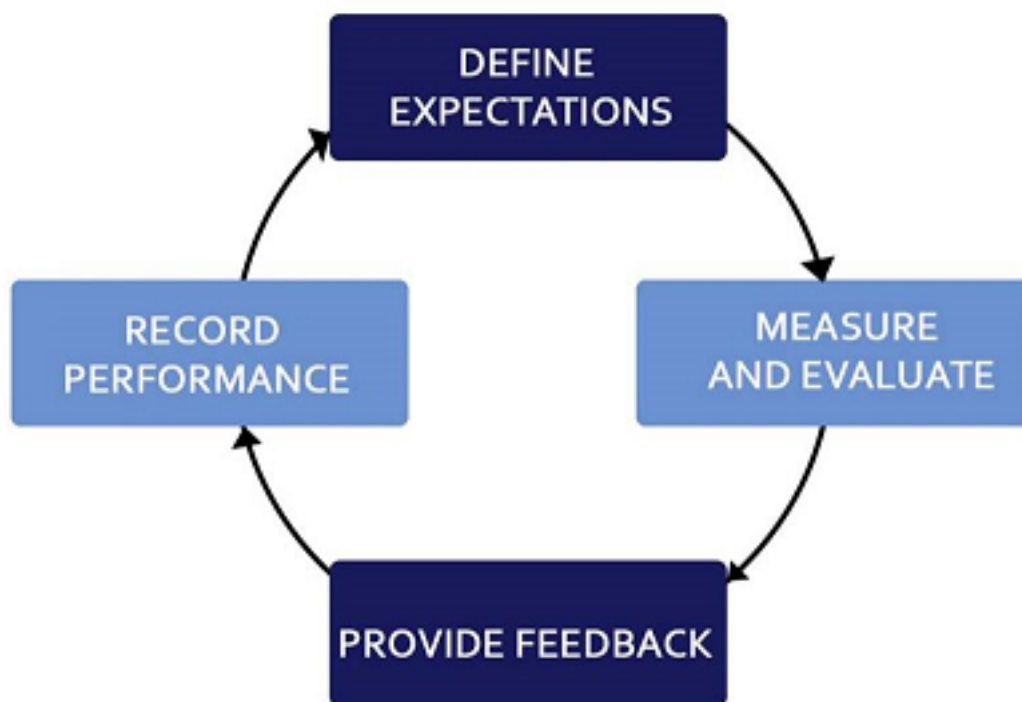
### **Appraisal Process: Implementation and effectiveness**

The appraisal forms are filled by faculty members and submitted to their respective HoDs. Academic performance and student feedback evaluation values are provided by the HoDs. Recommendations of the HoDs are recorded and submitted for approval from the management. Evaluations serve a significant role in assessing faculty performance.

### **Criteria for promotions & increments**

Quantitative evaluation is done on a scale of 100 points and faculty is put under

- Excellent Category (above 90%)
- Very Good (70 to 90%)
- Good (50 to 70%)
- Unsatisfactory (less than 50%)
- 



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

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

**Response:** 52.9

#### 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

2021-22	2020-21	2019-20	2018-19	2017-18
59	57	45	74	84

<b>File Description</b>	<b>Document</b>
Policy document on providing financial support to teachers	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of letter/s indicating financial assistance to teachers and list of teachers receiving financial support year-wise under each head.	<a href="#">View Document</a>
Audited statement of account highlighting the financial support to teachers to attend conferences / workshop s and towards membership fee for professional bodies	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

**Response:** 53.34

**6.3.3.1 Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
64	74	84	77	84

**6.3.3.2 Number of non-teaching staff year wise during the last five years**

2021-22	2020-21	2019-20	2018-19	2017-18
23	23	23	23	23

File Description	Document
Refresher course/Faculty Orientation or other programmes as per UGC/AICTE stipulated periods, as participated by teachers year-wise.	<a href="#">View Document</a>
Institutional data in the prescribed format	<a href="#">View Document</a>
Copy of the certificates of the program attended by teachers.	<a href="#">View Document</a>
Annual reports highlighting the programmes undertaken by the teachers	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

**6.4.1 Institution has strategies for mobilization and optimal utilization of resources and funds from various sources (government/ nongovernment organizations) and it conducts financial audits regularly (internal and external)**

**Response:**

MRK Institute of Technology is self-financed with fees paid by students, parent trust, and faculty funding for research and laboratory development.

- Institutional budget is prepared by Accounts department every year taking into consideration of recurring and non-recurring expenditures.
- Accordingly, all the administrative and academic heads are requested to submit the budget required for the subsequent financial year. Along with this all coordinators of different cells viz., R& D Cell, Exam Cell, T&P Cell, NSS Cell, etc. are instructed to submit their budget to Account office.
- All the major financial decisions are taken by the Chairman, Administrative Officer and Accounts department with Management of college.

As and when urgent requirements arise it is given after sanctioned revived from accounts office.



All the major financial transactions are analyzed and verified under following sections:

- Research & Development
- Training & Placement
- Software & Internet charges
- Library Books / Journals
- Repair & maintenance
- Printing & stationary
- Equipment & Consumables
- Furniture & Fixtures

1. Institute adheres to Utilization of budget approved for academic expenses and administrative expenses by management.
2. After final approval of budget the purchasing process is initiated by purchase committee which includes all head of departments and account officer, accordingly the quotations called and after the negotiations purchase order are placed.
3. The payments is released after delivery of the respective goods it is done as per the terms and conditions mentioned in Purchase order.

4. All transaction has transparency through bills and vouchers. The bill payments are passed after testing & verification of items. Only authorized person operate the transaction through bank.
5. Respective faculty member ensures that whether suitable equipment/machinery with correct specification is purchased.
6. The entire process of the procurement of the material is monitored by the Purchase committee and Principal at institute level then the finance department at corporate office level.
7. Financial audit is conducted by chartered accountant every financial year to verify the compliance.

**Institution conducts internal and external financial audits regularly.**

Internal Audit is conducted by Accounts Manager to regularize accounts, obtain confirmations, collect documentary evidence, and submit annual returns to tax authorities.

External Audit is conducted by auditors at the end of each financial year, with a copy of the internal audit report preserved.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## 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. It reviews teaching learning process, structures & methodologies of operations and learning outcomes at periodic intervals and records the incremental improvement in various activities**

**Response:**

**About Internal Quality Assurance Cell (IQAC)**

The main objective and functioning of the Institutions IQAC (Internal Quality Assurance Cell) is to make quality the defining element of higher education in MRK Institute of Technology through a combination of self and external quality evaluation, promotion and sustenance initiatives. As quality enhancement is a continuous process, the IQAC will become a part of the institution's system and work towards realisation of the goals of quality enhancement and sustenance towards the development of Quality Culture in the institution.

**Major Tasks of IQAC**

The prime task of the IQAC is to develop a system for conscious, consistent and catalytic improvement in the overall performance of institutions. For this, during the post-accreditation period, it will channelize all efforts and measures of the institution towards promoting its holistic academic excellence. The guidelines provided in the following pages will guide and facilitate the institution in the creation and operation of the IQAC. Its success depends upon a sense of belongingness and participation it inculcated in all the constituents of the institution. It will be a facilitative and participative voluntary system/unit/organ of the institution. It has the potential to become a vehicle for ushering in quality enhancement by working out planned interventionist strategies to remove deficiencies and enhance quality like the "Quality Circles" in industries.

### **Functions of the IQAC**

Some of the functions of the IQAC are as follows:

Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution  
 Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process  
 Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes  
 Dissemination of information on various quality parameters of higher education  
 Organization and documentation of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles

### **Benefits of IQAC**

IQAC will

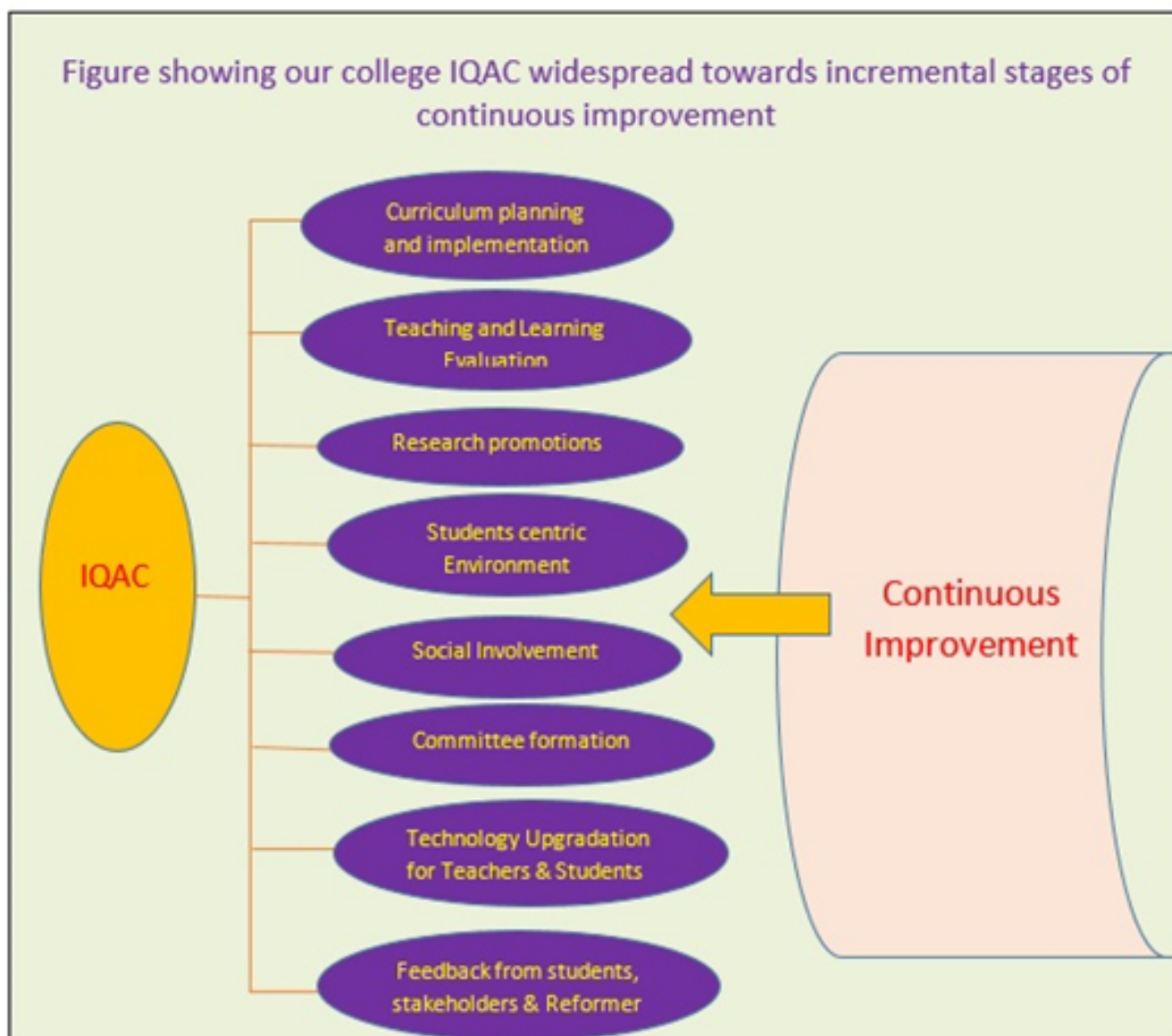
- Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement
- Ensure internalization of the quality culture
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices
- Provide a sound basis for decision-making to improve institutional functioning  
 Act as a dynamic system for quality changes in the institution  
 Build an organised methodology of documentation and internal communication.

### **Strategic Perspective of IQAC towards Continuous Improvement**

**The Strategic Perspective of IQAC are as follows:**

- Periodically to ensure effective implementation of academic policies for ensuring and sustaining quality.
- The Internal Audit Committee conducts audits at regular intervals. The auditors verify the lesson plan, syllabus coverage, course materials, assignments etc.
- The Principal, HOD and Academic monitoring committee members measure the delivery effectiveness of teaching methods using structured process and procedure formulated by IQAC.
- The performance of the students and quality of teaching learning process is constantly monitored as per the IQAC audit procedure.
- The measures for improvements are implemented, based on the IQAC recommendations

towards attaining the continuous improvement.



File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 6.5.2 Quality assurance initiatives of the institution include:

1. Regular meeting of Internal Quality Assurance Cell (IQAC); quality improvement initiatives identified and implemented
2. Academic and Administrative Audit (AAA) and follow-up action taken
3. Collaborative quality initiatives with other institution(s)
4. Participation in NIRF and other recognized rankings
5. Any other quality audit/accreditation recognized by state, national or international agencies



such as NAAC, NBA etc.

**Response:** A. Any 4 or more of the above

File Description	Document
Quality audit reports/certificate as applicable and valid for the assessment period.	<a href="#">View Document</a>
NIRF report, AAA report and details on follow up actions	<a href="#">View Document</a>
List of Collaborative quality initiatives with other institution(s) along with brochures and geo-tagged photos with caption and date.	<a href="#">View Document</a>
Link to Minute of IQAC meetings, hosted on HEI website	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

**7.1.1 Institution has initiated the Gender Audit and measures for the promotion of gender equity during the last five years. Describe the gender equity & sensitization in curricular and co-curricular activities, facilities for women on campus etc., within 500 words**

**Response:**

**Curricular Activities:**

MRKIT aspires to prepare students to be self-sufficient, experts in their chosen field, lifelong learners, and effective communicators, aware of their social and civic responsibilities, sensitive to gender issues with zero tolerance for sexual harassment, women's safety, security, and environmental awareness. Our Institution goals are to encourage education that is sensitive to the needs of diverse segments of society, with a particular focus on gender equality. Both male and female students are given equal opportunity to grow and develop into capable, responsible citizens of the future. Women's empowerment is promoted through a variety of gender equity programmes.

**Extracurricular Activities:**

Intercollegiate and intramural athletics are featured at MRKIT. Intercollegiate sports such as volleyball, basketball, and hockey which are enable student athletes simply "try forth." Being a varsity athlete entails a tremendous time and effort progress in terms of coaching, qualifying, and competing. Intramural sports allow non-varsity student athletes to participate in a sport they enjoy while competing against their classmates.

MRK IT conducts for students those who are interested in the fine arts have a selection of extracurricular activities in which they might join. Students can exhibit their theatrical ability via activities such as plays, musicals, and dance concerts. Students can explore their musical interests in college through parade, youth orchestra and ensemble.

Our students are on a mission towards better India by breaking the boundaries of religion and caste. The Indian personalities' thoughts were sown into the youthful minds. The university takes a pluralistic approach to all religious functions and encourages students and faculties to demonstrate this.

MRKIT conducts various programmes such as **World Blood Donor Day** for creating awareness about the blood donation and its advantages. **International Day of Yoga** is also celebrated in the Institute where students and teachers practice Yoga to relieve stress and depression. It is conducted in the presence of Yoga experts. **Independence Day** is celebrated in our Institute annually on 15th August, to commemorate the nation's independence from the British in 1947. **Teachers Day** is celebrated in our Institute which has a unique culture of appreciating the efforts of teachers by honoring them the best faculty awards. The Chairman of the Institute felicitates the teachers with awards every year. Teachers' day gifts are also distributed to all the faculties. **Onam festival** is celebrated by our college students on account of respecting the other state festival. **Republic Day** is celebrated in the Institute by the students and faculties with flag hoisting ceremony. Students and teachers perform patriotic events to raise awareness of constitutional rights and historical achievements. **National Science Day** is celebrated every year on February 28, the day

when CV Raman discovered the Raman Effect, a phenomenon in spectroscopy winning the prestigious Nobel Prize in 1930. **Women's day** is celebrated at every department where all the Head of Departments arrange a small get together for all women in the college.

File Description	Document
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

### 7.1.2 The Institution has facilities and initiatives for

1. Alternate sources of energy and energy conservation measures
2. Management of the various types of degradable and nondegradable waste
3. Water conservation
4. Green campus initiatives
5. Disabled-friendly, barrier free environment

**Response:** A. 4 or All of the above

File Description	Document
Policy document on the green campus/plastic free campus.	<a href="#">View Document</a>
Geo-tagged photographs/videos of the facilities.	<a href="#">View Document</a>
Circulars and report of activities for the implementation of the initiatives document	<a href="#">View Document</a>
Bills for the purchase of equipment's for the facilities created under this metric	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

### 7.1.3 Quality audits on environment and energy regularly undertaken by the Institution. The institutional environment and energy initiatives are confirmed through the following

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

**Response:** A. All of the above

File Description	Document
Report on Environmental Promotional activities conducted beyond the campus with geo tagged photographs with caption and date	<a href="#">View Document</a>
Policy document on environment and energy usage Certificate from the auditing agency	<a href="#">View Document</a>
Green audit/environmental audit report from recognized bodies	<a href="#">View Document</a>
Certificates of the awards received from recognized agency (if any).	<a href="#">View Document</a>
Provide Links for any other relevant document to support the claim (if any)	<a href="#">View Document</a>

**7.1.4 Describe the Institutional efforts/initiatives in providing an inclusive environment i.e., tolerance and harmony towards cultural, regional, linguistic, communal socioeconomic and Sensitization of students and employees to the constitutional obligations: values, rights, duties and responsibilities of citizens (Within 500 words)**

**Response:**

The institute provides an ecosystem and enabling atmosphere for the coexistence of people from diverse cultures, regions, linguistic, and other socioeconomic diversities in order to foster variety among the staffs and students. The institute has made an effort to create a welcoming environment that promotes coexistence, tolerance, and harmony among staffs and students. With the exception of a few students from other states, students from all districts and cross sections of the state are admitted based on merit in accordance with state council criteria. Once a student is accepted, they will be given equitable access to all the tools necessary to foster harmony and their overall development. The institution promotes students' and staff's overall development in order to ensure.

**Tolerance and Harmony towards Cultural & Regional factors**

To promote various festivals and cultural activities are organised on the campus to showcase the integrity and unity while promoting cultural and regional history with variety. Based on the demographic makeup of the faculty and students, some of the well-known regional festivals are observed. Similar to this, numerous competitions are also held on campus so that students can learn about the traditional performing arts of the area. The institution has a very effective approach to maintain tolerance and harmony even though the staff and students belong to different communities like Hindus, Muslims, Christians, etc., being their mother tongues different like Tamil, Telugu, and Bengali etc. by organising the events which bring the harmony and tolerance.

**Communal factors:**

Institute encourages the various community-related activities that are carried out with financial support, involvement of the staff and students in the community. The institute also runs outbound gathering

programmes that give faculty members the chance to foster cross-cultural connections. Additionally, the institute sponsors NSS and YRC activities and events including plantations, blood drives, environmental awareness campaigns, Swachh Bharath Abhiyan, Constitution Day, etc. Additionally, the institute's WISE and women empowerment cell host programmes like Ethnic Day and Women's Day to empower women and girls of all sects. By coming together to celebrate Diwali, Eid, and Christmas regardless of their religious, racial, cultural, or linguistic identities, students and staff show community harmony.

### **Socio-economic & other diversities**

Since 2013 up until the present, the institute has graduated more than 3000 students. The majority of them are middle class and from rural areas. Almost 85% of the students found work and were able to support their families. The institute works to improve the social and economic standing of its students and their families. The school creates an ecological and supportive atmosphere for the coexistence of persons from varied cultural, geographic, linguistic, and socioeconomic backgrounds in order to foster diversity among students and professors.

List of days/events organized to promote Nationalism and Patriotism among the students and staff community

- Youth day
- Republic day
- Women's day
- Science day
- Engineer's day
- Independence day
- Teacher's day
- Yoga day
- Pongal Celebration
- Christmas

<b>File Description</b>	<b>Document</b>
Upload Additional information	<a href="#">View Document</a>
Provide Link for Additional information	<a href="#">View Document</a>

## **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:**

**Institutional Best Practice 1:**

**Title of the Practice: Academic Activities**

## Objectives of the Practice

The practice's main goal is to stimulate and assess students' enthusiasm in a specific subject. This encourages students to apply concepts in real-life situations, which allows them to have a better understanding of the disciplines. The seminars will keep students up to date on the latest technological developments. They begin to consider fresh ideas that could be put into practice. A role-playing scenario is designed to introduce students to other views or ways of thinking about a topic, improve their problem-solving skills, and provide experience in a specific setting.

## The Context

Academic event is an excellent opportunity to involve students and to encourage them to connect their peers as they attempt to complete the task assigned to them in their particular position. Mould students for time management and teamwork, too. Employers favor recruiting applicants who are equipped with their industry experience and skills and know-how to connect and interact with clients. Also, if students choose to pursue higher studies abroad, co-curricular activities such as problem-solving, seminar, role play, etc., will make them stand out from other students. Involvement in these academic activities along with learning in the classroom teaches students how to efficiently manage time, prioritize assignments, obey a timetable and meet deadlines. Team exercises help students connect well with one other in the classroom.

## The Practice

The activities of different cells, clubs and associations of the College focus on improving a variety of skills set of students.

- Technical skills are imparted through regular conduct of workshops and Certification courses on recent technology with the aid of faculty expertise, industry experts and laboratory facilities.
- The value added courses are conducted on topics of Soft Skills, Aptitude Training, Personality Development, Soft Skills, Placement Skills, Public Speaking, Innovation and Entrepreneurship, Interpersonal Skills, Intellectual Property Rights, Communication Skills Development etc., The pre final year and final year students also participate in organizing placement drives.
- The active participation of students in organizing symposiums and events at department and institutional level, Industrial Visit etc., develop their leadership traits.
- The programmes are being conducted during the extra hours beyond regular academic schedule and also during summer and winter vacation.

## Evidence of Success

The combined effort and commitment of the institution and students, the institution has achieved very good results during on-campus recruitment processes. This has led to the increase in the quality, as well as, number of recruitments. Placement Summaries for the last 5 years indicate that the students have been performing consistently well and are recruited by reputed companies and the average pay package has been increasing year after year.

2017-2018 – 287 (76.42%) students secured jobs with an average pay package of Rs. 3.25 LPA

2018-2019 – 278 (79.93) students secured jobs with an average pay package of Rs. 3.5 LPA

2019-2020 – 2342 (81.77%) students secured jobs with an average pay package of Rs.3.25 LPA

2020-2021 – 212 (78.77%) students secured jobs with an average pay package of Rs.3.25 LPA

### **Problems Encountered and Resources Required**

Making the students realize the importance of the co-curricular activities for career development being imparted and make them participate with full involvement has been a problem in the beginning. As they see the fruits reaped by their seniors now most of the students are showing interest to become a member in any one of the Centre of Excellences. Trainers for many of the training programs are acquired through reputed training institutes. For technical training faculty members in our college are trained to deliver the content to our students. We have created the laboratories that are needed to train the students on various domains being covered by different Centre of Excellence

### **Institutional Best Practice 2:**

#### **Title of the Practice: Eco Friendly Campus**

#### **Objectives of the Practice:**

MRKIT is a Green Campus where environmentally friendly activities and education converge to promote sustainable growth. The main aim of establishing the Green Club was to conserve the natural resources and the natural environment to create an eco-friendly environment and create awareness of biodiversity conservation and local environmental issues among children and to create a clean and green consciousness among students through various innovative methods.

#### **The Context:**

The college has few areas to tackle, such as judicious water use, water supplies, equipment, wastage, etc., to make the campus environmentally sustainable. Leakages and excess water from overhead tanks have been reported. Reducing energy consumption and rising alternative sources of energy across campus buildings require high investment, which is hard to raise.

#### **The Practices:**

To maintain environmental sustainability, we conduct an annual green audit. Similarly, the use of steel bins to dispose of waste limits the usage of plastics. Our organization works to conserve electricity, water, and other resources in the planning, construction, and operation of its buildings. The goal is to establish a work environment that is stable, secure, and balanced. Our college promotes the following green building concepts in all of its facilities. Our goal is to cut down on the amount of water utilized on the college campus. The majority of the solid garbage generated on campus is regularly sorted in dustbins.

Our college has a waste water recycling system for dealing with liquid waste. Both blocks' liquid waste is transferred to the WWR via a chamber, where it is aerated and treated water is used for agricultural uses, toilet flushes, and other non-drinking functions. The plant's waste water is treated at RO. Irrigation of the green lands is also done with this water.

#### **Evidence of success**

Each year there is a noticeable decline in the use of paper because much of the contact is now through emails, apps such as WhatsApp groups, websites, and other social media applications. Sensitivity workshops and seminars influence students and faculty on the judicious use of water, electricity and effective waste disposal management. The college has installed solar panels on several campus buildings to embrace renewable energy option

#### **Problems encountered and Resources Required:**

Despite routine valve, tap, and pipe maintenance, there is untold water waste that can be eliminated by installing sensor valves and standard taps. The college conceptualizes the cycle of long-term solutions by purchasing ceramic/steel/biodegradable/multi-use plastic cups and containers.

File Description	Document
Best practices as hosted on the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### **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:**

MRK Institute of Technology is affiliated to Anna University. It is recognized as one of the renowned Institutions, not only in Cuddalore district but also in all over Tamilnadu. The students from Tamilnadu are taking the admission in various disciplines. Institution policies for overall development of students are the peculiarity of the college. The facilities required for the students are available for the welfare of the poor students.

The vision of the Institution is “To educate and empower the rural students who aspiring to become resourceful, competent and socially responsible professionals in the world. The educational philosophy followed in this campus aims at producing students who could meet the challenges at the international technical job market. Our students are groomed as professionals in their chosen field of study and are nurtured to compete with any competitor from any part of the world.

MRK Institute of Technology offers free Education to the students those who belong to economically weak in the society. Every year we are providing fees concession for students whose family background is below the poverty line. Free transportation is providing for every student from Vizhupuram, Cuddalore, Chidambaram, Mayiladuthurai, Kumbakonam, Ariyalur, Virthachalam and vadalore to our Institute. Every year we have been providing free education since our Institution was started in 2009. We provide world class technical education, all the classes in the campus are furnished with LCD projectors; the campus is enabled with Wi-Fi facility using which students can augment research bent of mind which is the need of the hour.



The Institution concentrates more on producing good results every semester to reach the status of a premier technical Institution. Teaching them professional values and ethics to ensure the practice of ethical values in their profession. The vision, all the aspiring youth of rural and semi-urban areas are transformed into workforce which is evident from the increase in the percentage of graduates annually. Institution invites many reputed organizations to the campus to recruit the students.

The goals of our Institution are uncompromising punctuality and sincerity, Excellence in educational quality, Suitable placement, higher education, entrepreneurship, Research and development activities, Good communication skills, Professional ethics and moral values, leadership qualities and Respect for fellow human beings and nature.

The Institution takes pride in serving the society and country by providing trained human resource in the field of engineering, grooming research scholars and knowledgeable entrepreneurs, generating many innovative projects, organizing training programs and serving as a center for conducting national level on-line examinations, thus leaving no stone unturned in the process of creating a better future for the people of this part of the nation.

MRK Institute of Technology offers all the tools necessary to conduct lectures and practical in a variety of labs and classrooms. Modern labs and classrooms with ICT capabilities make teaching and learning more useful for the students. . The institute values sustaining friendly relationships between faculty and students. The students benefit from this by performing better in their chosen career route, such as campus placement, entrepreneurship, and competitive exams and higher studies.

The Institute is having boys and girls hostel with capacity of 300 students each. Hostels have full security guards with 24×7 availability and CCTV vigilance for safety of both gender students. Faculty members are taking frequent rounds in the hostels to ensure comfortable and safety stays.

The Institute is having lush green ground for various sport activities to be carried for students. Institute appointed separate coaches for sport activity both indoor as well as outdoor activity. The institute has a unique Central Library with facility of borrowing books from other domain area. The Library is open 24×7 during examination and 10hrs every day. It has a seating capacity of 500 students at a time. Library facility particularly for Notes, Question bank & other learning resources is also made available to other institute students. As part of library, Institute is having study centre for preparation of competitive examinations like UPSC, TNPSC, Bank exams and others.

The Campus is having common mess & cafeteria area which includes 5-6 canteens that cater the eating need of students in variety of food. The institute has a Teacher Guardian Scheme at place, where in a group of approximately 20 students is monitored by one faculty member. The Teacher Guardian acts as students' mentor and looks into their academic and personal difficulties if any.

The Institute has a well-established training and placement cell headed by Principal, Training and Placement Officer and Departmental faculty coordinators. Several MNCs and reputed companies visit the campus for recruitment. Thus companies having good repute at national and international level are made available by the training and placement cell to the students for the internship and employability.

Institute encourages students to participate in co-curricular and extracurricular activities, including as technical competitions held by universities, institutes like the IITs and Nits. The institute encourages students to take part in extracurricular activities such as drama, debate, elocution, National

Service Scheme, National Cadet Corps, Youth Red Cross and Red Ribbon Club etc.,

<b>File Description</b>	<b>Document</b>
Appropriate web in the Institutional website	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### **Additional Information :**

MRKIT intends to evolve this institution incorporating the emerging pedagogical methodologies, cutting edge technologies on par with the world class technical institutions. MRKIT takes continuous efforts to provide accessibility of Hi-fi technical education to the rural students which is the dream of the founder. To become an autonomous institution is the next step in the road map towards continual progress. Further, the Institution has plans for becoming a degree awarding institution by improving the research ambiance, to improve start-ups, collaborations, etc.

### **Concluding Remarks :**

MRK Institute of Technology fondly known as MRKIT is in the good books of students, parents, and all the stake holders of the Institution. The institution strongly believes that empowering the rural young minds is the way to empower the nation technologically. With this sovereign intention, MRKIT will continue to function in the pursuit of excellence.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.2.1	<p><b>Number of Certificate/Value added courses offered and online courses of MOOCs, SWAYAM, NPTEL etc. (where the students of the institution have enrolled and successfully completed during the last five years)</b></p> <p>Answer before DVV Verification :            Answer After DVV Verification :25            Remark : DVV has made changes as per the report shared by HEI</p>																				
3.3.1	<p><b>Number of research papers published per teacher in the Journals notified on UGC care list during the last five years</b></p> <p><b>3.3.1.1. Number of research papers in the Journals notified on UGC CARE list year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>40</td> <td>07</td> <td>02</td> <td>12</td> <td>03</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>33</td> <td>07</td> <td>02</td> <td>12</td> <td>03</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI</p>	2021-22	2020-21	2019-20	2018-19	2017-18	40	07	02	12	03	2021-22	2020-21	2019-20	2018-19	2017-18	33	07	02	12	03
2021-22	2020-21	2019-20	2018-19	2017-18																	
40	07	02	12	03																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
33	07	02	12	03																	
3.3.2	<p><b>Number of books and chapters in edited volumes/books published and papers published in national/ international conference proceedings per teacher during last five years</b></p> <p><b>3.3.2.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>22</td> <td>0</td> <td>07</td> <td>17</td> <td>07</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>0</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI</p>	2021-22	2020-21	2019-20	2018-19	2017-18	22	0	07	17	07	2021-22	2020-21	2019-20	2018-19	2017-18	0	0	0	0	0
2021-22	2020-21	2019-20	2018-19	2017-18																	
22	0	07	17	07																	
2021-22	2020-21	2019-20	2018-19	2017-18																	
0	0	0	0	0																	

3.4.3	<p><b>Number of extension and outreach programs conducted by the institution through organized forums including NSS/NCC with involvement of community during the last five years.</b></p> <p><b>3.4.3.1. Number of extension and outreach Programs conducted in collaboration with industry, community, and Non- Government Organizations through NSS/ NCC etc., year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 430 1046 564"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>23</td> <td>04</td> <td>04</td> <td>10</td> <td>10</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 645 1046 779"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>17</td> <td>03</td> <td>04</td> <td>09</td> <td>09</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI</p>	2021-22	2020-21	2019-20	2018-19	2017-18	23	04	04	10	10	2021-22	2020-21	2019-20	2018-19	2017-18	17	03	04	09	09																				
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23	04	04	10	10																																					
2021-22	2020-21	2019-20	2018-19	2017-18																																					
17	03	04	09	09																																					
5.2.1	<p><b>Percentage of placement of outgoing students and students progressing to higher education during the last five years</b></p> <p><b>5.2.1.1. Number of outgoing students placed and / or progressed to higher education year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1137 1046 1272"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>133</td> <td>141</td> <td>149</td> <td>164</td> <td>229</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1352 1046 1487"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>134</td> <td>142</td> <td>151</td> <td>165</td> <td>230</td> </tr> </tbody> </table> <p><b>5.2.1.2. Number of outgoing students year wise during the last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1563 1046 1697"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>170</td> <td>205</td> <td>239</td> <td>264</td> <td>283</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1778 1046 1912"> <thead> <tr> <th>2021-22</th> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> </tr> </thead> <tbody> <tr> <td>170</td> <td>205</td> <td>239</td> <td>264</td> <td>283</td> </tr> </tbody> </table> <p>Remark : DVV has made changes as per the report shared by HEI</p>	2021-22	2020-21	2019-20	2018-19	2017-18	133	141	149	164	229	2021-22	2020-21	2019-20	2018-19	2017-18	134	142	151	165	230	2021-22	2020-21	2019-20	2018-19	2017-18	170	205	239	264	283	2021-22	2020-21	2019-20	2018-19	2017-18	170	205	239	264	283
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5.2.2	<p><b>Percentage of students qualifying in state/national/ international level examinations during the</b></p>																																								

*last five years*

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

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
1	1	3	3	1

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
1	2	1	3	1

Remark : DVV has made changes as per the report shared by HEI

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

**5.3.2.1. Number of sports and cultural programs in which students of the Institution participated year wise during last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
39	0	38	40	39

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
07	0	06	08	07

Remark : DVV has made changes as per the report shared by HEI

**6.3.3 Percentage of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

**6.3.3.1. Total number of teaching and non-teaching staff participating in Faculty development Programmes (FDP), Management Development Programmes (MDPs) professional development /administrative training programs during the last five years**

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
64	74	84	77	84

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
64	74	84	77	84

### 6.3.3.2. Number of non-teaching staff year wise during the last five years

Answer before DVV Verification:

2021-22	2020-21	2019-20	2018-19	2017-18
15	15	16	16	19

Answer After DVV Verification :

2021-22	2020-21	2019-20	2018-19	2017-18
23	23	23	23	23

Remark : DVV has made changes as per the report shared by HEI

## 2.Extended Profile Deviations

ID	Extended Questions
1.1	<p><b>Number of teaching staff / full time teachers during the last five years (Without repeat count):</b>            Answer before DVV Verification : 304            Answer after DVV Verification : 301</p>