



# **SELF STUDY REPORT**

**FOR**

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

**KAMALA INSTITUTE OF TECHNOLOGY AND SCIENCE**

KAMALA INSTITUTE OF TECHNOLOGY AND SCIENCE, SINGAPUR,  
HUZURABAD  
505468

[www.kitssingapuram.ac.in](http://www.kitssingapuram.ac.in)

Submitted To

**NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL**

**BANGALORE**

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# 1. EXECUTIVE SUMMARY

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## 1.1 INTRODUCTION

- Kamala Institute of Technology and Science, Singapur was established in 1997, by Vodithala Education Society, Hyderabad. It is located in 26.25 acre lush green environment, on Warangal–Karimnagar highway.
- The institute is approved by AICTE and affiliated to JNTUH, Hyderabad.
- Institute is accredited by NAAC with B++ and EEE, ECE and CSE branches are accredited by NBA for three years.
- It has ISO 9001-2005 certification and UGC 2(f) recognition.
- The institute provides quality technical education to the rural students of Telangana. It offers six undergraduate engineering programmes: Civil, EEE, Mechanical, ECE CSE & AIML with an intake of 540 and 12 in PG programme, M.Tech (AMS) in Mechanical.
- Three academic blocks consist of spacious, well-ventilated lecture halls, state-of-the-art laboratories, computer centre, auditorium and seminar halls. IGC with gym station, wooden floor shuttle court, provision for outdoor sports, canteen, ATM are other facilities that make a supportive learning environment. Round the clock surveillance by CC and Security Guards.
- The institute has an Internal Quality Assurance Cell (IQAC) which ensures to sustain and improve the quality of teaching- learning process.
- The institute associates with many professional bodies and encourages its students to do NPTEL, MOOC and Coursera certifications. The faculty are motivated to participate in FDPs, workshops, seminars and conferences to upgrade their knowledge.
- The institute has a well established library. The institute is a member of DELNET, NDL and has INFLIBNET to access e-books.
- The institute has strong support service systems like: student counselling, Training & Placement Cell, department associations, entire campus is Wi-Fi enabled and two roof top grid connected solar plants of generation capacity 200KWp.
- The NSS and NCC of institute organize social activities to inculcate human values.
- Separate boys and girls hostels accommodates more than 550 students.
- Twelve institute buses facilitate student transport from nearby towns. The location is also well connected with public transport system.

### Vision

The Institute aims to provide quality technical education to its students by expanding the horizons of knowledge, innovation and character-building in local and global perspective.

### Mission

- To disseminate technical knowledge of highest order to meet the professional challenges.
- To nurture the students for technical and global economic competitiveness.
- To impart leadership qualities among students and make them responsible to the society.

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

### Institutional Strength

- Our visionary management with commitment, dedication, discipline and 40 years of excellence in educational services is the biggest strength to the institution.
- Three UG programmes (EEE, ECE & CSE) of the institution are accredited by NBA.
- The institution also accredited by NAAC with B++ grade in the year 2019.
- Institution is ISO 9001:2015 certified in the year 2020.
- Reorganization of the college under 2(f) of the UGC Act, 1956.
- The institute is accredited by TCS, the pioneer in IT industry.
- Availability two roof top solar plants each with a capacity of 100KWp.
- Pollution free campus in rural area with excellent infrastructural facilities.
- The state-of-the-art laboratories, infrastructure, Wi-Fi enabled campus and well established library with subscription of e-Journals, e-Books and NPTEL lectures.
- Remedial classes for slow learners and encouragement for advanced learners.
- Career guidance and T&P Cell activities for employability, communication and interview skills are enabling the students for better placements as well to carry higher studies.
- Regular student counseling.
- Membership with professional societies like ISTE, IETE, IAENG, SESI,SAE INDIA & CSI
- MOUs with industries to assist students to undergo internships
- Industrial tours to realize real work environment
- Very good faculty retention.
- Conducting regular co-curricular and extra-curricular activities.
- Provided with separate hostels for more than 550 boys & girls.
- Established Computer Aided Language Lab for the benefit and use of students.
- Regular feedback from the stake holders to improve standards.
- NCC unit with an intake of 106 cadets (Boys and girls) since 2011 under 9(Telangana) Battalion, Karimnagar.
- Two University sanctioned NSS units.
- AICTE 360 degree feedback appreciation.
- Good games and sports facilities that includes IGC.
- Transport facility for faculty and students.

### Institutional Weakness

- To Fine-tune rural background students and improve attitude and communication skills of students to avail employment opportunities.
- Restricted scope on curriculum revision and academic freedom due to non-autonomous status.
- Less number of staff with doctorates.
- Institute location is causing hurdles in attracting better rankers and also students from other states.
- Obtaining research grants to the institution.

### Institutional Opportunity

- As the institution is accredited by NBA, there is a scope to get research projects and placements.

- The IT industry is shifting towards Tier-II and Tere-III cities, in the nearby region there may be more opportunities for the students.
- Scope for enriching the academic training in GATE, TOEFL, GRE, IELTS, and Business English is very high.
- Scope for motivating young faculty towards interdisciplinary research and academic excellence.
- Develop projects useful for rural people.
- Autonomous status

### **Institutional Challenge**

- Coping with rapid changes in technology to improve the employability of the students.
- Training students with rural background in social and professional etiquette, communication, technical and other skills for employability.
- To catch the attention of professionals from industry and academia in view of institute's geographical location.
- Obtaining consultancy assignments from industries.

## **1.3 CRITERIA WISE SUMMARY**

### **Curricular Aspects**

- The Institute is approved by AICTE, New Delhi and affiliated to Jawaharlal Nehru Technological University Hyderabad (JNTUH), Hyderabad.
- As the institute is an affiliated college, the curriculum is fixed by the affiliating university and strictly adheres to it.
- Choice Based Credit System (CBCS) has been implemented since 2016.
- The Program Education Objective of the program are well defined and implemented along with POs, COs, and PSOs.
- The feedback from various stakeholders on curriculum is collected and analyzed. The action plan is finalized after deliberations and discussions at the institute as well as at department level.
- The curriculum gaps that are identified are submitted to the affiliating university for further action.
- The institute prepares its own academic calendar in accordance with affiliating university academic calendar.
- Subjects are allotted to teachers based on their specialization and experience. The lesson plans/teaching schedules are prepared and implemented through well planned time tables.
- Traditional teaching practice of blackboard and chalk is generally used along with PPT, and NPTEL course materials etc. for better understanding. Additionally, teachers are encouraged to implement pedagogical innovations through presentations, assignments, group discussions, workshops, seminars and industry visits.
- The laboratory courses and project work are evaluated as part of CIE performance.
- The faculty participates in setting of question papers related to curriculum, design and development of curriculum for add-on/Certificate programs.
- Value added courses like Environmental Science, Gender Sensitization, Human Values and Professional Ethics which are mandatory are imparted to students as per JNTUH curriculum.
- To bridge the gap between curriculum and industry, value added enrichment courses, seminars and guest lectures, workshops are conducted.

- Meeting with class representatives are conducted twice in a semester, one with Principal and Academic In-charge of the institute and other with head and academic coordinator of the department.
- Manual feedback from students is collected at the end of every semester regarding the performance of teachers and ensured that their feedback is considered and put it into action.
- Students are encouraged to participate in various symposiums, workshops, seminars to improve their knowledge and skills.

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

- The admission into various courses is based on EAMCET/ ECET/PGECET examinations. The institute follows the rules and regulations of State Government with regard to catering diverse needs of the students of various categories.
- The institute follows the evaluation process at par with the affiliated university.
- The feedback obtained from the students and parents helps to improve teaching-learning and the assessment strategies adopted by the institution.
- The college admits students who meet eligibility criteria formulated by the State Government and the affiliated university, Jawaharlal Nehru Technological University, Hyderabad.
- The average enrollment percentage is 82.56.
- The average percentage of seats filled as per reservation policy is 85.48.
- The institute conducts special programs for advanced and slow learners considering the assessment of students based on internal and external performance.
- The students to full time teachers ratio is 16.78.
- The institute adopted various student centric methods like experiential learning, participative learning, problem-solving methodologies for enhancing the learning experiences of students.
- To achieve effective learning objectives, the faculty adopted instructional methods such as ICT tools with LMS, online teaching, Seminars, Workshops, Conferences, Guest lectures, Industrial visits, Project Based learning, e-resources, encouraging the students to participate in paper presentations, coding competitions for enhancing creativity and innovation in teaching-learning.
- Each faculty counsels the students on academics, co-curricular, extra-curricular and stress related issues.
- The average percentage of full-time teachers against sanctioned posts is 100.

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

- Research and Development Cell coordinates the research activities of the various disciplines in the institute.
- The institute encourages the staff to publish research papers in peer reviewed, UGC approved journals and present papers in national and international conferences.
- Financial support is provided for faculty to presents paper in National and International Conferences / Seminars and to apply for patents.
- Institution provides financial aid to faculty/students to develop prototypes of products and also to present their innovations/ideas at various national level competitions like SAE, Hackathons organized by various states.
- Eight faculty members are supervising the research scholars in various Universities.
- Institute encourages faculty members to pursue their Ph.D in various higher learning institutions. Some of the faculty members are awarded Ph.D and some more are currently pursuing in various disciplines.
- The NCC and NSS units of the institute conducts extension activities like Swacha Bharath, Blood

Donation, Tree plantation, national days, Yoga, traffic awareness and students participate in election duties, Ganesh nimajjan etc. which sensitize the students to the social issues and holistic development.

- NSS units adopted a village Ippalapally and under Unnat Bharath Abhiyan are Singapuram. Mandadipally, Thummanapally, Vennampally, Somaram villages are adopted.
- Departments organize workshops, technical seminars, value added courses and industry oriented training programmes periodically to cope up with the latest trends in technology and to encourage research orientation in students.
- The institute has collaboration with industries through MOUs for ease of interaction.
- Industrial and site visits are arranged for students and faculty, which gives hands on experience in their specialization.
- As a part of curriculum, students work on mini projects in various industries to enhance their practical experience and students are also encouraged to go for internship.

### **Infrastructure and Learning Resources**

- The institute has adequate infrastructure and resources that cater to the needs of the students.
- ICT enabled classrooms, Wi-Fi facility, state-of-the-art laboratories, workshops, three seminar halls, one Auditorium, One Community hall are available on 26.25 acres lush green eco-friendly environment. The classrooms are well-furnished, spacious with good ventilation and well illuminated.
- The Institute has experienced and well qualified faculty to develop the budding engineers. The infrastructural facilities are sufficient for all academic purposes.
- Two standby 200KVA and 75 KVA generators, hostel facilities for 550 boys and girls, two separate mess for boys and girls, Principal quarter, staff quarters, dairy, canteen and guest house are some of the infrastructural facilities available on campus.
- A domain centric laboratories as per the regulations of AICTE and our affiliating University, JNTUH. It also provides active platform for learning Language Communication through Globarena and online courses of NPTEL, SWAYAM, Coursera etc.
- Library is automated with LIBSYS 2.0 software and has a total collection of 48180 Volumes with 8684 titles and subscribes 513 e-Journals, 50 National and 13 International journals. And access to DELNET, NDL, NPTEL videos, e-books etc.
- Indoor Games Complex (IGC) with two wooden shuttle courts, Two TT tables, Carrom, Chess, and gymnasium facilities and outdoor sports like basket ball and Volley ball courts and cricket net-practicing pitch, under the guidance of qualified full-time Physical Director are available.
- Yoga is practiced and encouraged.
- The Student Activity Center (SAC) established in the year 2014, helps to build efficient and competent behaviors in students. It organizes technical and non-technical events.
- 716 computers under LAN with internet connectivity.
- A maintenance team supervised by project engineer evaluates the maintenance of classrooms, library, indoor games complex and laboratories.
- 200 KWp roof top, grid connected solar power plant.
- RO mineral water plant with discharge capacity of 2000 liters per hour is also made available to cater to the needs of entire campus.

### **Student Support and Progression**

- Institute provides each student with an ambience necessary for holistic development, success in

academics, career, community and life.

- The eligible students are benefitted financially by the tuition fee reimbursement scheme offered by the State Government of Telangana.
- The management encourages the meritorious students by awarding cash prize, who secure University ranks and class toppers, and also extends financial support to economically backward students.
- The induction program for the first year students is designed in line with AICTE guidelines to improve universal human values.
- www.kits24by7.in portal is used to communicate student attendance and academic performance to the parents.
- Every teacher acts as counsellor for 20 students to monitor the academic progress and personal behavior to help them in achieving their goals.
- Class Review Committee (CRC) meetings help in identifying and addressing the problems related to academics.
- Assignments are set and evaluated to help the student academic progression.
- Mid examinations are conducted and evaluated as per University norms. And Remedial classes are conducted for slow learners.
- Tutorial classes are conducted as per university norms.
- T&P cell provides career guidance, soft skills training and pre-placement guidance. It also gives practice in resume writing, group discussions, JAM and mock interviews to help them face interviews.
- Through the student forums of professional bodies like ASE, SESI, CSI, IETE, ISTE, IEI, the institute conducts activities like paper presentation, poster presentation, idea presentation, etc. for the enhancement of their competencies.
- Incubation and Innovation Cell (IIC) organizes programs like Hackathon, Design Sprint help students prove their designing and programming capabilities by participating in various events organized in reputed organizations.
- Department Student Associations also help in conducting expert lectures, seminars workshops, technical quiz and other development programs.
- The institution has a registered Alumni Association and Alumni meetings are organized regularly.
- The Women Protection Cell, Grievance Redressal Cell and the Anti-Ragging Committee of the institute help in maintaining a harmonious environment on campus.
- Games and Sports facilities on campus are supportive in encouraging students to participate in intramurals, inter-collegiate, zonal, state and national level competitions.

## **Governance, Leadership and Management**

- The institute has a very well-defined organizational structure which encourages decentralization and participative management.
- The Principal is the overall in charge of all academic and administrative bodies.
- The Heads and in-charges of various sections support the Principal in implementation of academic, curricular and extra-curricular activities.
- Faculty representation is made mandatory in BOG, IQAC, IAC and in various committees like Anti-ragging, Grievance Redressal, Welfare, Career Guidance and Training and Placement Cell etc.
- In each department, faculty are assigned works like Academic Coordinator, Class Coordinator, Mentors, Departmental Library and College library member, Time-table in charge, Student counseling in charge, Department Club, Lab in charges etc. as a part of participative management.
- Principal has a financial power to the extent of Rs. 30,000/-, HoDs and various in-charges to Rs. 5,000/- respectively.

- The institute has a well defined strategic plan and deployment for short term and long term goals. The IQAC monitors evaluate the strategic plan periodically
- The committees meet periodically and when required
- E-governance is implemented for the purpose of admissions, academics, examination branch, library etc. Many of the in-house developed software are used for these purposes.
- The institute has well-defined administrative manual for teaching and non-teaching staff.
- Three UG programs, EEE, ECE and CSE are accredited by NBA and are live.
- The institute provides ELs, MLs, maternity leaves, Group insurance, PF, Gratuity to its faculty and employees.
- Faculty are encouraged to attend FDPs, Workshops, Conferences and Seminars and financial assistance is provided.
- The faculty are encouraged to register for Ph.D.
- FDPs, workshops and seminars are conducted for quality improvement.
- Professional & Communication skills programmes are conducted for the employees.
- Institute follows a well defined Performance Appraisal System for the faculty.
- The institute budget proposals are processed by finance committee and approved by BOG. The finance committee also monitors the expenditure from time-to-time.
- Externals financial audit is conducted, an auditor (CA) and internal audit is conducted by Finance Committee.
- Participating regularly in HEI's ranking like NIRF.

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

- Institute is committed to inculcate the ethical values envisioned. It adopts and implements the best practices to suit the ever changing national and global industry, economic and social scenario.
- Practices that have led to the qualitative improvement of the institute and student community are:
  1. Organization of seminars and workshops on gender equity, women empowerment etc. to inculcate the value of respect for women in society.
  2. Barrier free and disabled friendly environment provides resources that are friendly to differently abled persons.
  3. Installation of two roof top solar power plants of 200KWp for power generation as an eco-friendly alternative.
  4. Institute has facility of sensor based lights and LEDs to conserve energy.
  5. The institute promotes the culture, heritage and the glorious past of the nation through national and religious festivals. Teachers' day, women's day, and engineers' day, birth and death anniversaries of great national leaders are other activities conducted for the promotion of universal values.
  6. Generation of compost for soil conservation that increased yield of flowers & fruits on campus through effective organic waste management.
  7. Water conservation facilities like Rain water harvesting pits, recharge of bore wells are available.
  8. Extensive plantation and landscape gardening to present a picturesque and naturalistic effect to the campus.
  9. Organization of blood donation camps, plantation, help the helpless, personal and community hygiene awareness programs etc. under the guidance of NCC, NSS and departmental associations.
  10. Village adoption by NSS unit.



11. Contribution to the development of local community through social & health awareness programs and to infuse the value of social responsibility.
12. Various schemes are implemented diligently for the welfare of teaching and non-teaching staff.
13. Green campus initiatives include restriction of automobiles, use of bicycles, battery power vehicles, pedestrian friendly pathways, and ban on plastic usage.
14. The best practices are (i) Contribution to the rural community through Societal based projects and service motto activities, (ii) Converting rural talent in to globally employable professionals through effective pedagogical initiatives and training programs.
15. The institute is distinctive in the areas like Innovative Teaching-learning methods, Innovation and Entrepreneurship, Green initiatives and Environment sustainability, NCC wing, Faculty Retention, Excellent bond between alumni and alma matter.

NAAC

## 2. PROFILE

### 2.1 BASIC INFORMATION

Name and Address of the College	
Name	KAMALA INSTITUTE OF TECHNOLOGY AND SCIENCE
Address	Kamala Institute of Technology and Science, Singapur, Huzurabad
City	Karimnagar
State	Telangana
Pin	505468
Website	<a href="http://www.kitssingapuram.ac.in">www.kitssingapuram.ac.in</a>

Contacts for Communication					
Designation	Name	Telephone with STD Code	Mobile	Fax	Email
Principal	K. Shanker	091-9177670003	9000181003	-	principal@kitssingapuram.ac.in
IQAC / CIQA coordinator	M. V. Satish Kumar	091-9440555095	9849313697	-	satishkitss@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	
Date of establishment of the college	28-08-1997

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

State	University name	Document
Telangana	Jawaharlal Nehru Technological 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>	02-07-2021	12	

**Details of autonomy**

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

Is the College recognized by UGC as a College with Potential for Excellence(CPE)?	No
Is the College recognized for its performance by any other governmental agency?	Yes
If yes, name of the agency	National Board of Accreditation
Date of recognition	22-02-2022

<b>Location and Area of Campus</b>				
<b>Campus Type</b>	<b>Address</b>	<b>Location*</b>	<b>Campus Area in Acres</b>	<b>Built up Area in sq.mts.</b>
Main campus area	Kamala Institute of Technology and Science, Singapur, Huzurabad	Rural	26.25	27225

## 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	BTech,Electrical And Electronic Engineering	48	Intermediate or Diploma	English	120	12
UG	BTech,Civil Engineering	48	Intermediate or Diploma	English	60	8
UG	BTech,Mechanical Engineering	48	Intermediate or Diploma	English	60	0
UG	BTech,Electronics And Communication Engineering	48	Intermediate or Diploma	English	120	99
UG	BTech,Computer Science And Engineering	48	Intermediate or Diploma	English	120	120
UG	BTech,Artificial Intelligence And Machine Learning	48	Intermediate or Diploma	English	60	48
PG	Mtech,Mechanical Engineering	24	B. Tech or B.E	English	12	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	12				24				78			
Recruited	7	0	0	7	10	5	0	15	50	28	0	78
Yet to Recruit	5				9				0			
Sanctioned by the Management/Society or Other Authorized Bodies	0				0				14			
Recruited	0	0	0	0	0	0	0	0	14	0	0	14
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				53
Recruited	52	1	0	53
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				27
Recruited	26	1	0	27
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.	8	1	0	8	4	0	4	1	0	26
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>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>Others</b>	<b>Total</b>
		5	0	0

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

Programme		From the State Where College is Located	From Other States of India	NRI Students	Foreign Students	Total
UG	Male	1127	0	0	0	1127
	Female	764	0	0	0	764
	Others	0	0	0	0	0
PG	Male	7	0	0	0	7
	Female	1	0	0	0	1
	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	33	28	48	39
	Female	17	24	15	23
	Others	0	0	0	0
ST	Male	13	7	13	21
	Female	5	3	3	4
	Others	0	0	0	0
OBC	Male	195	192	201	190
	Female	107	105	119	117
	Others	0	0	0	0
General	Male	54	65	90	74
	Female	55	57	73	83
	Others	0	0	0	0
Others	Male	0	0	0	0
	Female	0	0	0	0
	Others	0	0	0	0
Total		479	481	562	551

**Institutional preparedness for NEP**



1. Multidisciplinary/interdisciplinary:	KITS Singapur is an affiliated college to JNTUH, and has to follow a road map or guidelines prepared and provided by the University. Our affiliating university is already offering many multidisciplinary/interdisciplinary courses. The university is going to modify the syllabus w.e.f 2022 by considering National Education Policy-2020.
2. Academic bank of credits (ABC):	Provisions of Academic bank of Credit proposed in the draft of NEP to facilitate multiple entries and exit points in the academic programs. This is an innovative idea to earn and deposit credit through National schemes like SWAYAM, NPTEL, V-Lab. By these students will able to earn credits and get the program completed. The institution preparedness in implementation of Academic Bank of Credits depends upon the guidelines of the affiliated university JNTUH. KITS shall abide by the curriculum and structure prepared by the JNTUH in this regard.
3. Skill development:	As mentioned earlier KITS is an affiliated institution and doesn't enjoy preparing and implementing its own curriculum. It has to follow the designed curriculum provided by the JNTUH. KITS enrolled its students in Telangana Academy for Skill & Knowledge programme (TASK). TASK is an initiative of the state government of Telangana. TASK was established in 2014 for skilling youth and creating synergy between institutions of Government, Industry and Academia with the objective of improving quality, relevance, access and Outreach of training. It also facilitates entrepreneurial abilities and enhances industry linkage. Which are helpful after of finishing graduation equips students with the missing skills that are required in the market thus making them industry-ready. The programme helps improve their Communication, team-Work and problem-solving and decision-making abilities.
4. Appropriate integration of Indian Knowledge system (teaching in Indian Language, culture, using online course):	The institute is affiliated to JNTUH Hyderabad and it can't make any changes in the prescribed curriculum. As the university provides us to conduct induction programme for the first year students we take the chance to train students to have knowledge on Indian culture. We conduct several lectures by the eminent speakers to inculcate cultural integration among the students. Our teaching faculty also in teaching 'Human Values & Professional Ethics' as an audit

	<p>course. We bring awareness among the students about cultural integrity and build healthy relationship among the students irrespective of caste, creed, religion and gender. Our college also having association with campus radio where the students can express their views regarding to the Indian culture, languages etc. Further it is expected to get specific initiations in new curriculum which is going to be implemented from 2022-23 academic year.</p>
5. Focus on Outcome based education (OBE):	<p>Our affiliating university already started implementing OBE from 2016. More modifications are expected with new syllabus from the academic year 2022-23.</p>
6. Distance education/online education:	<p>JNTUH is not providing distance education. We have conducted virtual classes and labs during COVID.</p>

## Extended Profile

### 1 Program

#### 1.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
271	260	262	265	263
File Description		Document		
Institutional data prescribed format		<a href="#">View Document</a>		

#### 1.2

Number of programs offered year-wise for last five years

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

### 2 Students

#### 2.1

Number of students year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1879	1957	2028	2128	2165
File Description		Document		
Institutional data in prescribed format		<a href="#">View Document</a>		

#### 2.2

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

2020-21	2019-20	2018-19	2017-18	2016-17
261	260	284	283	291

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

### 2.3

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

2020-21	2019-20	2018-19	2017-18	2016-17
501	528	555	565	522

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

## 3 Teachers

### 3.1

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

2020-21	2019-20	2018-19	2017-18	2016-17
112	112	117	151	161

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

### 3.2

#### Number of sanctioned posts year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
112	112	117	151	161

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

## 4 Institution

### 4.1

#### Total number of classrooms and seminar halls

**Response: 41**

**4.2**

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

2020-21	2019-20	2018-19	2017-18	2016-17
351.19	453.66	483.60	317.50	293.23

**4.3**

**Number of Computers**

**Response: 410**

NAAC

## 4. Quality Indicator Framework(QIF)

### Criterion 1 - Curricular Aspects

#### 1.1 Curricular Planning and Implementation

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

##### Response:

- The institute has an effective system for curriculum delivery and it documents the entire process in a systematic way.
- It has four phases for teaching learning namely planning, execution, feedback and corrective measures. All the phases are well planned and documented.
- The institute strictly follows the curriculum given by the affiliating university, JNTUH and gives additional inputs beyond the curriculum where ever possible.
- The subject workload is distributed to teachers based on their specialization and experience.
- Every teacher prepares teaching schedules, course files and subject files which are endorsed by the Head of the Department.
- Teaching schedule covers the syllabus to be covered topic wise and the number of classes he/she wants to take for completing the syllabus.
- Topic covered in each class is recorded in register and the same will be recorded and communicated to the parents through 24by7software.
- Academic coordinator along with principal convenes meetings periodically with the Class Representatives(CRs) to solve the issues related to syllabus coverage and problems in academics. The feedback obtained in these meetings will be communicated to the respective heads of the department to take corrective measures if any required. Actions taken by the heads of the departments are again communicated back to the academic section and the same will be recorded for further reference.
- Syllabus coverage in every subject is monitored by a Course Review Committee.
- To evaluate the effectiveness of the students' understanding assignments will be given to them and also two midterm examinations will be conducted in a semester. Both the assignment questions and midterm papers will be prepared in line with course outcomes and revised blooms level taxonomy keeping in view for the attainment of Course Outcomes.
- Slow learners are identified through mid exam result analysis and remedial classes are planned for them.
- Parent Teacher meetings are conducted once in a semester to make the parents aware of their ward's performance.
- A well developed feedback system is available for evaluation and record of teaching- learning process. The feedback obtained about a particular teacher is communicated to them through the concerned heads of the department and corrective measures will be taken wherever necessary.
- Department Academic Committee (DAC) identifies the gaps in the curriculum, if any, and suggests the department to organize guest lectures by inviting guest speakers both from the academia as well as industry to fill the curricular gap and enable the student to have a real time experience.
- Students are encouraged to register for MOOCS to update themselves even beyond the curriculum.
- As per the curriculum all the experiments are conducted by the student and also facilities are made available to conduct experiments beyond the curriculum.

- Experiments conducted by a student in each lab are recorded in the register and the same will be reflected in the laboratory record book.

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

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

#### Response:

- The Institute strictly adheres to the academic calendar provided by the affiliating University JNTUH, Hyderabad.
- It contains the date of commencement of class work, instruction period, internal and external examinations, practical examinations and last date for submission of midterm marks.
- The Institute prepares Institute Academic Calendar every year by incorporating the events to be conducted by the Institute in the university calendar and forwards it to the Departments.
- Accordingly, every department prepares Department Academic Calendar incorporating the departmental events like fests, FDPs, workshops, industry visits, guest lecture's etc in the institute academic calendar and adheres to it.
- Every department prepares time tables for smooth coverage of syllabus as per the guidelines given by the University and are disseminated on the student's notice boards.
- All the faculty members prepare teaching schedule and course files of their respective courses.
- Teaching schedule will be communicated to the students at the beginning of the semester to give an idea about the coverage of syllabus in every class as per the stipulated number of weeks available in the academic calendar.
- A course file consists of course outcomes, teaching schedule, assignments and previous internal as well as external examination papers.
- Continuous internal evaluation will be done in theory as well as practicals.
- Students will be evaluated in theory subjects continuously through two mid examinations which will be conducted after 8 weeks and 16 weeks of instructions.
- In addition, students will be evaluated continuously by giving two assignments in every subject before midterm examinations and weightage will be given to the assignments.
- Blooms taxonomy will be adapted in both assignments and midterm examination papers for the attainment of course outcomes.
- Internal marks obtained by the students in first midterm and second midterm examinations will be uploaded in the university portal as per the dates mentioned in the academic calendar. Similarly average of the two internal exams will be uploaded as per the schedule.
- In case of practical's students will be evaluated in all the labs for every experiment. Each group of students will be allotted a particular experiment/program in each lab and their performance will be evaluated based on experimental results/execution of the program.
- All the students will undergo industry oriented mini-project, after completion of third year during summer vacation as per the academic calendar. Students will be evaluated at the end of the mini project through internal seminar and external viva-voce.

- In case of final year students' technical seminars, major projects are conducted and the progress is continuously evaluated by the project monitoring committee and accordingly marks are allotted in internal evaluation. Major project viva-voce will be conducted by external examiner as per the university schedule.

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

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

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

**Response:** B. Any 3 of the above

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.2 Academic Flexibility

### 1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

**Response:** 100

#### 1.2.1.1 Number of Programmes in which CBCS / Elective course system implemented.

Response: 6

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
Link for Additional information	<a href="#">View Document</a>

### 1.2.2 Number of Add on /Certificate programs offered during the last five years



**Response:** 241**1.2.2.1 How many Add on /Certificate programs are offered within the last 5 years.**

2020-21	2019-20	2018-19	2017-18	2016-17
72	75	43	23	28

File Description	Document
List of Add on /Certificate programs	<a href="#">View Document</a>
Brochure or any other document relating to Add on /Certificate programs	<a href="#">View Document</a>

**1.2.3 Average percentage of students enrolled in Certificate/ Add-on programs as against the total number of students during the last five years****Response:** 95.35**1.2.3.1 Number of students enrolled in subject related Certificate or Add-on programs year wise during last five years**

2020-21	2019-20	2018-19	2017-18	2016-17
1879	1957	2028	2022	1770

File Description	Document
Details of the students enrolled in Subjects related to certificate/Add-on programs	<a href="#">View Document</a>
Any additional information	<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 into the Curriculum****Response:**

Apart from professional progression, students need to be trained to become responsible for the society in which they live. Gender equality, Conservation of environment and sustainability, Human Values and Professional Ethics are courses that help prepare students for a life of social responsibility. JNTUH has

duly introduced these courses into its curriculum and the institute is delivering them effectively. Teachers use ICT enabled classes for effective delivery of such value-added courses. Student activities like NCC/NSO and NSS are also included in the curriculum as mandatory courses. The relevance of these courses is as discussed below.

### **1. Gender Sensitization:**

Under this course, students are informed about the legally enforced gender equality policies that are mandated in all work places. The students are addressed in bilingual languages and different styles of communication to ensure complete understanding. The students are acquainted with the concept of feminist relationships, responsibilities and gender identities. The growing importance of gender equality is communicated effectively to the students through this course.

### **2. Environmental Studies**

The importance of saving the environment is critical than ever. Understanding this extreme need of citizen realization, the University included a compulsory paper on environment and sustainability to make the citizen's of tomorrow realize their duties. This is done by giving them a complete understanding of our ecosystems, natural resources, biodiversity, biotic resources, pollution due to various factors and its management and related Protection Policies.

### **3. Human Values and Professional Ethics**

In the existing professional and personal work environment of conflict and stress, a course on Human values and Professional Ethics helps an engineering graduate to

- Understand moral and ethical dilemmas while discharging professional duties.
- Gain a fine understanding of work ethics and integrity that drives one towards success.
- Nurture positive habits like tolerance, social conscientiousness, respect and use of rational dialogue in conflict resolution.
- A desire to gain harmony in both personal and professional life.

### **4. Intellectual Property Rights**

This course makes student to

- Understand the different types of Intellectual Property.
- List the International Organizations and their functions to protect Intellectual Property.
- Classify about the agencies and treaties related to IPR.
- Know trademarks, Acquisition of trademarks, Copyright law.
- Know Patent, Patent searching process.
- Explain the new International Developments in trademarks law, copyright law and patent law.

### **5. Disaster Management**

The course focuses on various types of disasters, tools and methods for disaster management. It aims at understanding the causes for the disaster to occur, its adverse affects and the vulnerability caused due to the

occurrence of a disaster, Students are made to understand the mitigation measures that they need to follow to reduce the casualties when a disaster occurs. At the end of the course the students will be able to

- Understand Disasters, man-made Hazards and Vulnerabilities.
- Understand Disaster Management Mechanism.
- Understand capacity building concepts and planning of disaster managements.

File Description	Document
Upload the list and description of courses which address the Professional Ethics, Gender, Human Values, Environment and Sustainability into the Curriculum.	<a href="#">View Document</a>

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

**Response:** 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
271	260	262	265	263

File Description	Document
MoU's with relevant organizations for these courses, if any Average percentage of courses that include experiential learning through project work/field work/internship	<a href="#">View Document</a>

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

**Response:** 78.18

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

Response: 1469

File Description	Document
List of programmes and number of students undertaking project work/field work/ /internships	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 1.4 Feedback System

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

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

File Description	Document
Action taken report of the Institution on feedback report as stated in the minutes of the Governing Council, Syndicate, Board of Management (Upload)	<a href="#">View Document</a>
URL for stakeholder feedback report	<a href="#">View Document</a>

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

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

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

File Description	Document
Upload any additional information	<a href="#">View Document</a>
URL for feedback report	<a href="#">View Document</a>

## Criterion 2 - Teaching-learning and Evaluation

### 2.1 Student Enrollment and Profile

#### 2.1.1 Average Enrolment percentage (Average of last five years)

**Response:** 82.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
479	481	562	551	611

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

2020-21	2019-20	2018-19	2017-18	2016-17
614	612	668	666	684

#### File Description

#### Document

Institutional data in prescribed format

[View Document](#)

Any additional information

[View Document](#)

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

**Response:** 85.48

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

2020-21	2019-20	2018-19	2017-18	2016-17
220	213	244	251	252

#### File Description

#### Document

Average percentage of seats filled against seats reserved

[View Document](#)

Any additional information

[View Document](#)

## 2.2 Catering to Student Diversity

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

#### Response:

- The institute continuously assesses the learning levels of students based on their performance in various parameters like active participation in classroom, curricular, co-curricular, extra-curricular activities and participation in inter and intra college level competitions. It takes care of both slow learners and advanced learners by adopting the following strategies.

#### Method to assess the learning level of students

- In classroom students will be assessed based on their regularity and involvement in learning process.
- The institute implements an effective counseling system. For every 15-20 students a faculty member will be allotted to assess them in all aspects and counsel accordingly.
- Learning levels of the students are assessed based on their performance in assignments as well as internal and external examinations.
- Students are assessed in laboratories based on their performance in conducting experiments as well as answering concerned viva-voce questions.
- Training and Placement wing assesses the learning levels of students from employability point of view.

#### Measures taken to support slow learners

- Counselors take feedback from the subject teachers and take extra care whose regularity and performance in the class room not satisfactory.
- Slow learners are identified after evaluating their performance in first mid examination and remedial classes will be conducted to them. Counselors also monitor their attendance in remedial class work.
- In tutorial classes special focus will be laid on slow learners by extra coaching.
- Counselors also record the performance of their counselee in semester end examinations and support them in improving their performance.
- They will be given additional inputs byway of course material and question banks.
- Slow learners are grouped with advanced learners to execute the project works.
- Training & Placement cell supports slow learners by additional training and arranges interactions with alumni to boost their confidence.
- The institute organizes various workshops, guest lectures, seminars for students in association with professional societies to improve learning ability of students.
- Group discussions are organized by pairing slow learners with advanced learners to improve learning ability.

#### Measures taken to support advanced learners

- Class toppers are awarded with gold medals, certificates and monetary benefit every year.

- Advanced learners are encouraged to improve their performance further by attending curricular, co-curricular, extra-curricular activities and competitions conducted within or outside the institute.
- They will be provided with additional reading and learning material to appear in competitive exams and also for future careers.
- They are given the responsibility of leading the team in mini project and major projects.
- The institute encourages students to participate in events like project expo, internal smart India hackathon etc., by providing financial assistance.
- Training & Placement cell supports advanced learners in cracking jobs with high CRT.
- Peer teaching/Seminars by advanced learners is encouraged which in turn makes them confident and learn more.
- To keep the advanced learners motivated, reference books that are beyond-grade-level are also suggested for exploration.
- Workshops are organized on emerging technologies with hands on experience.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 17:1

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.3 Teaching- Learning Process

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

**Response:**

The institution strives for enhancing the learning experiences of the students by adapting student centric methods.

**Experiential learning:** The institution strongly feels that in addition to the theoretical knowledge, experiential learning is very much essential for professional students. Following are the efforts in this direction.

- **Laboratory Sessions:** Every student will be given exposure of conducting experiments / writing code and executing.
- **Internships:** Students regularly undergo Internships in industries in both online/off line modes.
- **Industrial Visits & Field Visits:** They give exposure to the students about the current technologies and trends in real time situations.
- **Industry oriented mini-projects:** All the students will undergo an industry oriented mini project

to experience the real time situations and challenges.

- **Industry driven competitions:** Students are motivated to participate in Smart India Hackathons/ idea presentations to showcase their creativity and talent and also to get exposure of such innovative ideas.
- **Integrated tools:** Students are given awareness about online courses such as NPTEL-SWAYAM, Coursera, Code Tantra and encouraged to enroll.
- Every individual student is provided with NDL login to get exposure to latest research trends by referring e-journals, magazines online books and course material.

**Participative learning:** Institute motivates students to engage themselves in participative learning and hence upgrade themselves independently and interdependently. The following are the efforts made by the institute in this direction.

- **Workshops, Guest lectures and Seminars:** Students get awareness about the in latest trends and innovative technologies.
- **Group Discussions & Debates:** Students participate and exchange their ideas on important topics for mutual benefit.
- **Technical Presentations:** Technical seminars, class room seminars and peer reviews are encouraged to cultivate the habit of independent and collaborative learning.
- **Project Based learning:** Students are encouraged to take up real time problems for their projects and give a feasible and economical solution.
- **Peer group collaborative learning:** Students from different branches form a group and work for participation in Hackathons.
- **Alumni Interactions:** It gives awareness about the industry requirements, expectations, to enhance their job readiness.
- **Professional body activities:** Institute conducts various activities under the professional bodies like ISTE, IET, CSI, SAE, IETE, SESI etc.
- **Hands-on training programs:** Department level workshops, where in students will get opportunity to participate and get hands on experience.
- **Assignments & Quizzes:** As part of internal continuous evaluation every student has to participate in quiz and also submit assignment in every subject.
- **Department association activities:** They organize programs to give additional inputs to the students in different areas.
- **Institute level/Department level Fests/Events:** These events give ample opportunities to enhance their leadership qualities, organizing abilities and team building capacity.
- **Student Clubs & SAC:** The institute has various clubs such as Photography Club, Carbon conscious club and Student Activity Centre (SAC) to promote independent learning.
- **Problem solving methodologies** Institute conducts tutorial classes for subjects with numerical problems to improve their problem solving experience.
- T&P cell also conducts programs to enhance the problem solving capability of students.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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



**Response:**

- ICT enabled tools make education system more interesting and creates rich learning environment.
- The institute has adopted ICT enabled teaching learning process in addition to the conventional classroom teaching.
- Facilities provided by the institute for effective teaching-learning process
  - All the departments are having e-class rooms with LCD projectors and other accessories.
  - Wi – Fi access in the campus, especially in e-class rooms.
  - Digital Library to provide online resources and content for teachers and students to update their knowledge.
  - Two-way Video Conferencing facility.
  - Digital Cameras.
  - cam corders
- ICT enabled pedagogical initiatives used by the faculty members are as follows:
  - **Blended Teaching:** The teaching aid techniques such as video lectures, power point presentations, collaborative and individual learning strategies are used by the faculty of the institute.
  - **Online Teaching:** Faculty made a swift transition from classroom to online teaching by using online platforms like Google classroom, ZOOM, CISCO WEBEX.
  - **Course Handouts:** Video lectures, lecture notes, assignment questions, tutorial questions and model question papers shared using Google classroom, Whatsapp.
  - **Massive Open Online Course:** Faculty enroll for various courses like NPTEL, SWAYAM, COURSERA, and other MOOCs platforms for better understanding of the course and encourages the students to get certified.
  - **Courseware:** Course specific software like MATLAB, VLSI, CAD / CAM are used to execute laboratory experiments and also to implement innovative ideas.
  - **Social Media in Education:** Faculty members use the social media platforms like Whatsapp and Telegram to connect with the students for sharing information.
  - **Ability Assessment Test:** Online platform like Code-Tantra is provided for training and to assess the capabilities of the students in analytical, aptitude, technical skills.
  - **Google classroom:** Delivering the lectures and also sharing the content to students.
  - **Google Forms:** Assessing the students for evaluating quiz, assignments etc.
  - **Slide share:** With the help of Google Slides, faculty presents the content at the real time.
  - **Graphic tablet:** Faculty members use Graphic tablet for effective teaching learning process in online mode, especially in subjects involving drawings, charts etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

**2.3.3 Ratio of students to mentor for academic and other related issues (Data for the latest completed academic year )****Response:** 17:1

## 2.3.3.1 Number of mentors

Response: 112

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

## 2.4 Teacher Profile and Quality

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

Response: 100

File Description	Document
Year wise full time teachers and sanctioned posts for 5years(Data Template)	<a href="#">View Document</a>
List of the faculty members authenticated by the Head of HEI	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

Response: 15.73

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

2020-21	2019-20	2018-19	2017-18	2016-17
22	22	19	19	17

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

<b>2.4.3 Average teaching experience of full time teachers in the same institution (Data for the latest completed academic year in number of years)</b>	
<b>Response:</b> 11.29	
<b>2.4.3.1 Total experience of full-time teachers</b>	
Response: 1265	
File Description	Document
List of Teachers including their PAN, designation, dept and experience details(Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 2.5 Evaluation Process and Reforms

<p><b>2.5.1 Mechanism of internal assessment is transparent and robust in terms of frequency and mode</b></p> <p><b>Response:</b></p> <ul style="list-style-type: none"> <li>• At Kamala Institute of Technology &amp; Science, mechanism of internal assessment is transparent and robust.</li> <li>• The Institute follows the guidelines affiliating university, for internal evaluation and assessment.</li> <li>• Students are assessed by adopting the continuous internal evaluation system.</li> <li>• The internal assessment test schedules are given by the university and communicated to the students well in advance. Faculty members educate the students about the assessment process.</li> </ul> <p><b>Assessment process for Mid-term Examination and Assignments</b></p> <ul style="list-style-type: none"> <li>• Assignments are given at regular intervals. First and second midterm exams are conducted after completion of 8th week and 16th week respectively and students are evaluated for their performance.</li> <li>• The midterm examination question papers are prepared by the concerned teachers.</li> <li>• After the completion of internal examination, the faculty evaluates and distributes the answer scripts to the students to maintain transparency.</li> <li>• If any discrepancy is noticed by the students, the corrections are incorporated. The faculty submits the corrected scripts to the examination branch and displays the marks on the notice board to give</li> </ul>
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access to all the students.

- Marks secured by students in individual subjects are communicated to the parents through www.kits24by7.in portal.
- The assignments submitted are evaluated and returned back to the students and the marks are assigned accordingly.
- The scheme and key for the internal question paper is prepared and discussed with students.
- The scheme of evaluation is strictly followed for both theory and lab examinations.

#### **Assessment process for Laboratory work**

- Laboratory records of students are regularly verified by the faculty concerned.
- Day-to-day performance of the students is assessed for every experiment which includes regularity, performance, viva and promptness in submitting the record. In addition internal examination is conducted before the external examination.
- For laboratory courses, the marks / grades scored by the student for each experiment are indicated in the registers and grades are marked in the lab records.
- External examiners for laboratories are drafted from JNTUH affiliated colleges, to maintain standards and transparency.

#### **Assessment process for Technical Seminars, Mini and Major Projects**

- A robust and transparent system is developed to evaluate the students for their performance in delivering the technical seminars.
- Students have to select a topic in their relevant field and deliver seminar on the topic which will be evaluated by the team of faculty members.
- A batch of students will be doing an industry oriented mini project after completion of third year. For each batch of students a faculty member will be allotted as a guide, who involves in assessing the students.
- Students need to give internal seminar on mini project, before facing external viva-voce.
- Guide of the major project batch plays a crucial role in assessing the involvement of individual student in completing the project.
- For ensuring quality, the project evaluation is done by Project Review Committee comprising of HOD, project guides and Two/Three senior faculty members.
- For Major Projects the internal assessment is done through two seminars.

<b>File Description</b>	<b>Document</b>
Any additional information	<a href="#">View Document</a>

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

##### **Response:**

- The institute follows an efficient and time bound system to address the grievances raised by the students in internal as well as external examinations.

- Internal assessment will be done as per the evaluation guidelines framed by affiliated university.
- Students who were absent for internal examinations due to genuine reasons or those who are not satisfied with the marks, can apply for computer-based test conducted by the University.

**The following are general grievances raised by students and the corresponding procedure to address them with regard to internal examinations:**

- **Discrepancy in evaluation / awarding marks:**

Answer scripts of internal exam are evaluated within three days after exam and are given to students for verification and any grievance is redressed immediately.

- **Discrepancy due to wrong numbering of question and totalling of marks:**

If student finds that the marks are not awarded due to wrong numbering and/or mistake in totalling of marks they can directly approach the staff for redressal.

- **Wrong posting in mark sheets:**

The marks obtained by the students are displayed on department notice board and sent to parents through www.kits24by7.in portal. If any discrepancy is raised by the students, it will be rectified immediately.

- **Discrepancy in aggregate internal marks:**

The marks obtained by the students in two individual internal assessment exams as well as the average of the marks are uploaded to the university web portal and the same will be verified by the concerned staff member and corrected, if required.

**The following is the mechanism to address the grievances raised by the students with regard to external examinations:**

- If the student is not satisfied with the marks awarded in the external examination, they can apply for recounting within a week from the declaration of results through the examination branch of the institute.
- Students can apply for re-evaluation of their answer scripts within a week from the declaration of results, if they doubt the valuation process.

### **Challenge Valuation**

If a student is not satisfied with the result, he/she can also apply for challenge valuation within a week after the announcement of the results. This valuation process is carried in the presence of the student by two subject experts, one from the institute and other from the university.

- **Examination Grievance Redressal Cell (EGRC):**

The affiliating University is maintaining a portal to receive grievances related to examinations.

- The institute has a separate Examination Grievance Redressal Cell (EGRC) to register grievances

regarding evaluation of internal answer scripts and external examinations. The redressal cell comprises of Principal, Head of Departments, and In-charge of Examination Branch. The students can approach the cell for any issues regarding the evaluation of their scripts.

- During end examinations, the subject teacher reviews the exam paper thoroughly and if any discrepancy is found, the same is recorded in the log book maintained by the examination branch. If the issue is serious, EGRC communicates the same to the University through the portal.

File Description	Document
Any additional information	<a href="#">View Document</a>

## 2.6 Student Performance and Learning Outcomes

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

### Response:

The institution is making all the possible efforts to implement the Outcome-Based Education (OBE) and imparting education through a student-centric approach. It has created awareness about the Outcome-Based Education (OBE) by conducting workshops and expert lectures. Institute displays POs and COs of all the programs in the website and other prominent places and see that they are properly communicated to all the stake holders, especially teachers and students.

Course Outcomes (COs) are direct statements that describe the essential and enduring disciplinary knowledge and abilities that students should possess and the depth of learning that is expected upon completion of a course. Affiliating university has defined Course Outcomes (COs) for all the courses in the curriculum. Keeping them in view, concerned subject teachers have redefined the course outcomes using action verbs of various learning levels as suggested by revised Bloom Taxonomy. There are a minimum of 4 CO's defined for each course and a maximum of 6. Course Outcomes are defined for every course of all programs of the institution. The Course Outcomes are defined in line with Programme Outcomes (POs), Program Specific Outcomes (PSOs).

The Institute follows the Program Outcomes (POs) as specified by National Board of Accreditation (NBA) which is given below:

### Program Outcomes (PO's):

PO1: Engineering knowledge.

PO2: Problem analysis.

PO3: Design/development of solutions.

PO4: Conduct investigations of complex problems.

PO5: Modern tool usage.

PO6: The engineer and society.

PO7: Environment and sustainability.

PO8: Ethics.

PO9: Individual and team work.

PO10: Communication.

PO11: Project management and finance.

PO12: Life-long learning.

Department Academic Committee (DAC) has played a major role in defining Program Specific Outcomes (PSOs) for individual programs. DAC has framed the draft PSOs and the same were modified and finalized based on the feedback received from stakeholders.

Vision, Mission, Program Education Objective (PEOs) Program Outcomes, Program Specific Outcomes and Course Outcomes are disseminated among stakeholders through the following ways.

- Institute Website: Vision and Mission of institution.
- Central Library: Vision and Mission of institution.
- Departmental Website: Vision and Mission of department, POs, PSOs & PEOs
- Department Notice Boards: Vision and Mission, POs, PSOs & PEOs
- Institute Magazine: Vision and Mission of institution.
- Departmental News Letters: Vision and Mission, POs, PSOs & PEOs
- Classrooms: Vision and Mission of both institution and departments, POs and PSOs
- HOD and Faculty Rooms: Vision and Mission, POs and PSOs
- Department Library & other prominent places: Vision and Mission, POs, PSOs & PEOs,
- Laboratories: Vision and Mission, POs, PSOs & PEOs, relevant COs
- Course Files: Vision and Mission, POs, PSOs & PEOs, relevant COs
- Lab Manuals: Vision and Mission, POs, PSOs & PEOs, relevant COs
- Lab Records: Vision and Mission, POs, PSOs & PEOs.
- Parent-Teacher Meeting: Vision and Mission, POs, PSOs & PEOs will be communicated to the parents.
- Orientation Program: Vision and Mission, POs, PSOs & PEOs will be communicated to the first year students as well as their parents.

File Description	Document
Upload COs for all Programmes (exemplars from Glossary)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Past link for Additional information	<a href="#">View Document</a>

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

#### Response:

#### Process of attainment for COs-POs, PSOs mapping

The process of attainment of COs-POs, and PSOs is done by defining the appropriate COs for each course in the undergraduate and postgraduate programs.

A correlation is established between COs-POs, PSOs on the scale of 0 to 3.

0 indicates, no correlation

1 indicates, low correlation

2 indicates, medium correlation

3 indicates, high correlation

The matrix for COs-POs and PSOs is prepared for all courses in the program

#### Evaluation of COs-POs and PSOs attainment

The mapping matrix of COs - POs and PSOs is prepared for all the courses and finally these matrices are merged to form a Program level CO - PO and PSO Matrix.

The two assessment methods used for evaluating the attainment level of COs with POs and PSOs are

1. Direct Assessment
2. Indirect Assessment

**Direct Assessment:** Marks of final mid (internal) examination, performance in laboratories and external examinations are considered for direct assessment.

CO Attainment is calculated based on the performance of the students using various assessment tools such as **CIE** and **SEE**.

Levels of attainment are decided upon the percentage of students in a program who have got greater than or



equals to **60% marks** (set target) in CIE and **C Grade** (set target) in SEE. The attainment level with respect to percentage students scored greater than or equal to set target level given table.

<b>% of students scored greater or equals to set target (x)</b>	<b>CO attainment level</b>
$x \geq 80\%$	Level 3
$70\% \leq x < 79\%$	Level 2
$60\% \leq x < 69\%$	Level 1
$x < 60\%$	Level 0

The division of marks prescribed by the university and the weightage arrived at the attainment of COs are given in the below table.

<b>Type of Course</b>	<b>Internal Marks</b>		<b>External Marks</b>	<b>Total Marks</b>	<b>Final attainment level as per weightage</b>
	<b>CIE</b>	<b>SEE</b>			
<b>Theory Courses</b>	25	75		100	$0.25 * (\text{Internal attainment}) + 0.75 * (\text{External attainment})$
<b>Laboratory Courses</b>	25	75		75	$0.25 * (\text{Internal attainment}) + 0.75 * (\text{External attainment})$
<b>Seminar</b>	100	-		100	CIE Level
<b>Industry Oriented Mini Project</b>	-	100		-	SEE Level
<b>Major Project</b>	25	75		100	$0.25 * (\text{Internal attainment}) + 0.75 * (\text{External attainment})$

CO attainment is calculated for the entire courses in a program and merged to calculate the PO & PSO attainment.

**Indirect Assessment:** It is carried out by collecting surveys from students on rolls, employers, parents and alumni.

Final PO & PSO attainment is calculated using the formula:

$$\text{PO \& PSO attainment} = (0.8 * \text{Direct Assessment}) + (0.2 * \text{Indirect Assessment})$$

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 2.6.3 Average pass percentage of Students during last five years

**Response:** 84.58

#### 2.6.3.1 Number of final year students who passed the university examination year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
377	463	497	479	447

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

2020-21	2019-20	2018-19	2017-18	2016-17
501	528	555	565	522

<b>File Description</b>	<b>Document</b>
Upload list of Programmes and number of students passed and appeared in the final year examination (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste link for the annual report	<a href="#">View Document</a>

**2.7 Student Satisfaction Survey****2.7.1 Online student satisfaction survey regarding teaching learning process****Response:** 3.84

<b>File Description</b>	<b>Document</b>
Upload database of all currently enrolled students (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, Chairs in the institution during the last five years (INR in Lakhs)**

**Response:** 7.84

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

2020-21	2019-20	2018-19	2017-18	2016-17
6.30	0.40	0.708	0.25	0.18

File Description	Document
List of endowments / projects with details of grants	<a href="#">View Document</a>
e-copies of the grant award letters for sponsored research projects / endowments	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 1.79

**3.1.2.1 Number of teachers recognized as research guides**

**Response:** 2

File Description	Document
Institutional data in prescribed format	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 100

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

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

### 3.1.3.2 Number of departments offering academic programmes

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

File Description	Document
Supporting document from Funding Agency	<a href="#">View Document</a>
List of research projects and funding details	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.2 Innovation Ecosystem

### 3.2.1 Institution has created an ecosystem for innovations and has initiatives for creation and transfer of knowledge

#### Response:

The institution has created an environment which encourages the staff and students to actively engage in research and innovation. It also strives for the creation and transfer of knowledge.

#### Initiatives for creation of eco system for innovations:

- The institution has an active Institution Innovation Council (IIC), to ignite the innovative thoughts among the students. This resulted in participation and prize winning by students in Hackathons and other competitions.
- Few of the faculty members in the institute have cleared foundation level and advanced AICTE-IIC trained ambassador certifications. They train the students in design thinking, Intellectual Property Rights (IPR), Entrepreneurship Development and start-ups.
- Entrepreneurship Development Cell (EDC) organizes guest lectures by successful alumni entrepreneurs to give confidence to the budding engineers and transfer the ideas for innovative start-ups.
- Institute has constituted National Innovation and Start-up Policy (NISP) implementation committee.
- A Research and development cell has been established in the institute with an intention to motivate the staff and students towards quality and innovative research in newly emerging and challenging

areas of engineering, technology, science and humanities.

- All the departments motivate the final year students to take up innovative projects to address the societal problems. Few of the projects have even got appreciations and cash prizes at state and National level.
- Institute motivates students to participate in Idea presentation contests organized by various institutions.

#### **Initiatives for creation and transfer of knowledge:**

- Guest lectures will be organized by eminent person from industry and academia to transfer the knowledge and give awareness about latest trends in industry and technologies to students.
- Faculty members are encouraged to organize/attend FDPs/ workshops/ conferences/ seminars and webinars in order to update their knowledge. This in turn will be transferred to students through the regular classroom teaching. Faculty are also provided with financial support to attend workshops and conferences.
- Students are encouraged to gain knowledge on latest topics by giving Technical Seminars.
- Alumni interactions will be conducted at regular intervals to give awareness about industry expectations.
- Industry visits will be organized at regular intervals to give real time practical exposure.
- State of the art laboratories to meet the requirements of the university syllabus (and even beyond in few cases) to transfer the practical knowledge
- The Central library is well equipped with National/International Journals and DELNET to enable the students and staff to get awareness about the research trends. In addition every department maintains a department library having additional reading material to enhance their knowledge.
- The institute regularly conducts programs for the transfer of knowledge under the banner of IETE, ISTE, IE (I), CSI, SESI & IAPT for faculty, students.
- Every department has a students' association to mould the all-round personality of the students.
- The entire campus is connected with Wi-Fi and the staff and students are encouraged to upgrade themselves by registering for MOOCS.
- The Institution has a well established Computer centre where students can access online material to enhance their knowledge.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 41

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

2020-21	2019-20	2018-19	2017-18	2016-17
1	7	5	14	14

File Description	Document
Report of the event	<a href="#">View Document</a>
List of workshops/seminars during last 5 years	<a href="#">View Document</a>

### 3.3 Research Publications and Awards

<b>3.3.1 Number of Ph.Ds registered per eligible teacher during the last five years</b>	
<b>Response: 2.75</b>	
<b>3.3.1.1 How many Ph.Ds registered per eligible teacher within last five years</b>	
Response: 11	
<b>3.3.1.2 Number of teachers recognized as guides during the last five years</b>	
Response: 4	
File Description	Document
List of PhD scholars and their details like name of the guide , title of thesis, year of award etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>
URL to the research page on HEI website	<a href="#">View Document</a>

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

**Response: 0.76**

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

2020-21	2019-20	2018-19	2017-18	2016-17
19	17	22	21	20

File Description	Document
List of research papers by title, author, department, name and year of publication	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 1.98

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

2020-21	2019-20	2018-19	2017-18	2016-17
9	81	34	40	94

File Description	Document
List books and chapters edited volumes/ books published	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 3.4 Extension Activities

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

**Response:**

Vision of the institute focuses on character building whereas one of the missions is to make the students responsible towards social issues. It is a regular practice at the institute to carry out extension activities in the neighbourhood community under NSS and NCC.

As a result of the efforts, students got motivated and actively participated in the following programs.

#### Extension activities are carried out in neighbourhood community and impact

- NSS unit has organized Haritha Haram within and around the institute premises. This improved greenery considerably.
- Help the Helpless team from the institute regularly visits orphanages and old age homes donate both in cash and give moral support.
- It is a regular practice to organize blood donation camps, by NCC and NSS wings. A good number



of units of blood were donated for a noble cause.

- Every year physics department in collaboration with Indian Association of Physics Teachers (IAPT) conducts extension activities in schools and colleges of surrounding regions of North Telangana.
- NCC wing of the institute hosted NCC CATC-1. Around 650 cadets participated from all over the state.
- NCC Cadets supported Police department, Huzurabad, Karimnagar for controlling crowd on “Ganesh Nimarjan”.

#### **Sensitizing students to social issues:**

- National Yoga day is conducted, to spread the awareness about yoga and its necessity for physical and mental fitness.
- The NCC unit has organized FIT INDIA Freedom Run program and celebrated National Unity day.
- NSS volunteers conducted COVID awareness activities like hygiene habits, sanitation practices and distributed sanitizers and masks to the public in their villages.
- NSS volunteers have a prepared video on COVID-19 Norms and spread through the social media.
- Students are encouraged to participate in World Environment Day celebrations, International Bio-Diversity – 2021 and International Women’s Day
- NSS unit students participated in Online Youth Parliament Festival to understand the parliamentary procedures.
- Business plans submitted by students on Social Entrepreneurship got selected for the Zonal Level of Business Plan Implementation Competition.
- NSS unit students took pledge virtually to prohibit tobacco on World No Tobacco Day.
- NSS volunteers in association with Telangana State National Green Crops (TSNGC) and SAC of college have conducted a rally to give awareness about harms due to usage of plastic and also on road safety.
- Carbon conscious club of the institute has conducted programs to create awareness about the environmental pollution and its impact on the earth.

Involvement in these extension activities sensitized the students towards social issues and responsibilities. Students were able to develop all round personality. They were also realized the importance of discipline, time management, self-confidence and environment consciousness.

#### **Impact of holistic development**

As a result of the efforts made by the institution the students have realised the importance of holistic development during their course period and continued the same in their profession. A number of students passed out from this institution have proved themselves in a variety of fields like Yoga , Entrepreneurship,

Cinema field, Police department etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

Response: 0

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

2020-21	2019-20	2018-19	2017-18	2016-17
00	00	00	00	0

File Description	Document
Number of awards for extension activities in last 5 year	<a href="#">View Document</a>
e-copy of the award letters	<a href="#">View Document</a>

### 3.4.3 Number of extension and outreach programs conducted by the institution through NSS/NCC, Government and Government recognised bodies during the last five years

Response: 105

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

2020-21	2019-20	2018-19	2017-18	2016-17
22	22	21	28	12

File Description	Document
Reports of the event organized	<a href="#">View Document</a>
Number of extension and outreach Programmes conducted with industry, community etc for the last five years	<a href="#">View Document</a>

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

**Response:** 93.61

#### 3.4.4.1 Total number of Students participating in extension activities conducted in collaboration with industry, community and Non- Government Organizations such as Swachh Bharat, AIDs awareness, Gender issue etc. year-wise during last five years

2020-21	2019-20	2018-19	2017-18	2016-17
1879	1957	2028	2128	1473

File Description	Document
Report of the event	<a href="#">View Document</a>
Average percentage of students participating in extension activities with Govt or NGO etc	<a href="#">View Document</a>

## 3.5 Collaboration

### 3.5.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship per year

**Response:** 295

#### 3.5.1.1 Number of Collaborative activities for research, Faculty exchange, Student exchange/ internship year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
76	54	59	58	48

File Description	Document
e-copies of related Document	<a href="#">View Document</a>
Details of Collaborative activities with institutions/industries for research, Faculty exchange, Student exchange/ internship	<a href="#">View Document</a>

### 3.5.2 Number of functional MoUs with institutions, other universities, industries, corporate houses etc. during the last five years

**Response:** 99

#### 3.5.2.1 Number of functional MoUs with Institutions of national, international importance, other universities, industries, corporate houses etc. year-wise during the last five years

2020-21	2019-20	2018-19	2017-18	2016-17
25	26	22	12	14

File Description	Document
e-Copies of the MoUs with institution/ industry/corporate houses	<a href="#">View Document</a>
Details of functional MoUs with institutions of national, international importance, other universities etc during the last five years	<a href="#">View Document</a>

## Criterion 4 - Infrastructure and Learning Resources

### 4.1 Physical Facilities

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

**Response:**

Kamala of Institute of Technology and Science has spread over 26.25 acres of land. The institute provides state of the art infrastructure and facilities for Teaching Learning process. Institute has adequate facilities for teaching learning with a built up area of 27,225 square meters to meet the requirements of AICTE.

**Class rooms:**

Institute has 37 well ventilated classrooms to meet the requirements of class work of all the departments including first year class work. Among them 23 class rooms are e- class rooms with internet facility, LCD projector etc. Faculty members use ICT facilities to give better learning experience to the students. Models and charts are available in all the departments to illustrate the concepts more clearly. In addition the institute has 2 drawing halls.

**Laboratories:**

All the departments of the institute have established labs with state of the art equipment. There are 48 laboratories to meet the curriculum of the affiliating University, JNTUH, Hyderabad. In addition, departments also have Project/ Research Labs to support the faculty and students in their research and project works respectively. A separate Engineering Workshop is constructed with an area of 620 square meters as per AICTE norms.

**Computing equipment:**

A Computer Centre is established to meet the needs of students and staff for their academic work. Institute has 716 computers to cater the computing needs of the students and faculty. Every department has adequate computer equipments like desktops, printers, internet connections, Wi-Fi facility.

**Library:**

Library can be considered as an additional input in teaching learning process. Central Library of the institute is stocked with 48149 Text books, 69 journals, 12 technical magazines and newsletters, Springer nature e-journals. It has taken DELNET membership, under which 235 journals are available to the staff and students. The library is equipped with LIBSYS software. In addition to the central library, every department has a separate department library.

**Seminar Halls & Auditorium:**

The institute has 3 seminar halls with different seating capacities ranging from 120 to 200. An auditorium with a seating capacity of 450 is also available in the campus to organize various co-curricular and cultural programs.

In Addition to the facilities required for the teaching learning, the institute has also infrastructural facilities like, hostels for boys and girls, Principal residence, guest house and staff quarters. Other facilities available at the institute includes, RO mineral water plant, Two Roof top based solar power plants(100 kwp capacity, each) ATM facility, canteen, ambulance service, Fire safety system, Solar water heating system, power back up with 200kVA, 75kVA capacity diesel generators. To mould the all round personality of students, a separate indoor games complex is also available in the campus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

##### **Response:**

At Kamala of Institute of Technology and Science, equal importance is given to cultural activities, fitness, yoga, games and sports on par with regular academics. The institute is providing the following facilities. All the departments of the institute have their students' associations to mould the students for their all round personality. These associations will conduct students' fests at regular intervals. In addition, the institute organizes a National level Students fest "KITSOZEN" biannually, covering Cultural and Sports activities.

##### **Cultural activities:**

The institute encourages the inherent talent of the students through Students' Activity Center (SAC) and clubs like Photography club. Adequate facilities are provided by the institute to practice and perform cultural programs. The institute has state of the art Auditorium with 450 seating capacity, which is used by the students for organizing different cultural & social activities. Three seminar halls are located in three academic blocks, which are used to conduct students' association activities of different departments. Seminar halls and auditorium are also used to conduct students fest, technical fest, student activity center related programs. The institute has a number of well maintained lawns where cultural programs are organized.

##### **Sports, Games (indoor, outdoor):**

The institute has constructed a separate building for Indoor games in the year 2004 with the funds received from central government with a built up area of 1148 square meters. Indoor games complex building has two wooden flooring badminton courts and also has facilities for playing caroms, table tennis and chess. Outdoor games facilities includes Basket ball court, Volleyball court, Khabaddi court, Throw ball court, Cricket concrete pitch for cricket net practicing. High jump landing mattresses, short put, discuss through, javelin through facilities are made available to students. Many students have utilized these facilities and excelled in sports and won many prizes at interuniversity level and district level.

**Gymnasium:**

Separate gymnasiums are established for boys (16 station) and girls (8 station) in the Indoor games complex. Most of the students in general and hostel students in particular use these facilities.

Students will be given awareness about benefits of Yoga, from the Induction program itself. Students are encouraged to practice Yoga every day. Regular yoga sessions are organized in the college for awareness of healthy lifestyle. International Day of Yoga is celebrated in college campus. Yoga mats are available to perform Yoga.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 65.85

##### 4.1.3.1 Number of classrooms and seminar halls with ICT facilities

Response: 27

File Description	Document
Upload Number of classrooms and seminar halls with ICT enabled facilities (Data Template)	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 8.15

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

2020-21	2019-20	2018-19	2017-18	2016-17
23.19	21.01	43.86	29.26	32.91

File Description	Document
Upload Details of budget allocation, excluding salary during the last five years (Data Template)	<a href="#">View Document</a>
Upload audited utilization statements	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>

## 4.2 Library as a Learning Resource

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

#### Response:

The central library of carpet area 730 Sq. mt. with seating capacity is 150 members is located in Academic Building-I with good infrastructure and ambience. There is regular subscription to newspapers, magazines and journals, there by augmenting the library as a rich source of knowledge. In addition to central library, each department is well equipped with department library.

To make the functioning of library easy and effective, the institute has automated the operations using LIBSYS 5.7.2 Software. Library is having bar code reader facility for easy identification of books.

#### LIBSYS software LSEase (Version Rel.5.7.2):

It has six main modules, i.e.,

Technical processing (cataloguing)

Circulation

Acquisitions serial management

OPAC besides administration

Queries

Utilities

#### Features of LIBSYS software:

Scalable, manageable and efficient.

Compatible to run on any version of windows OS.

LIBSYS software LSEase (Version Rel..5.7.2) consists of various modules on acquisition, cataloging, circulation, serials control, and Online Public Access to Cataloguing (OPAC) which automates library functionalities.



The Library will be utilized by the faculty , staff and students to access facilities like DELNET , NDL , SWAYAM , NPTEL, OPAC (online Public Access to Cataloguing for book search) service, previous question papers, book bank service for SC ST , Reference service , Journals Current Awareness services / Daily News Papers etc.

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>

#### 4.2.2 The institution has subscription for the following e-resources

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

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

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Details of subscriptions like e-journals, e-ShodhSindhu, Shodhganga Membership , Remote access to library resources, Web interface etc (Data Template)	<a href="#">View Document</a>

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

**Response:** 8.62

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

2020-21	2019-20	2018-19	2017-18	2016-17
4.28	7.34	8.55	7.96	14.98

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

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

**Response:** 6.93

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

Response: 138

File Description	Document
Details of library usage by teachers and students	<a href="#">View Document</a>

### 4.3 IT Infrastructure

#### 4.3.1 Institution frequently updates its IT facilities including Wi-Fi

**Response:**

Recognizing the importance of technology in education, the institute has implemented latest state of the art IT infrastructure. Institute has purchased 122 computers in last 5 years with which the total number of computers has increased to 716. Number of printers available are 40 and also 13 number of scanners are available in the institute. For smooth conduction of online classes during the pandemic period, the institute has purchased 26 web cameras and 7 graphic tablets. Number of LCD projectors has been increased to 27. LAN networking of computer labs 1 and 2 are completed. CC cameras are fixed in one of the labs in Computer Science department, for effective monitoring of online exams. Network was upgraded in 6 computer labs for online exams .One new UPSs was procured for two of the labs in Computer Science department. Existing CRT monitors are replaced by purchasing 60 LED monitors. Internet bandwidth is frequently updated in different phases (50 MBPS- 60 MBPS-70 MBPS-90 MBPS-300 MBPS) and at present the institute 300MBPS to cater the needs of the students and faculty. To check the quality of the Project reports at PG level and also to support the faculty members for their research publications a new anti plagiarism software Drill bit was procured.

To meet the requirements of the affiliating university the institute purchases software for all the departments.

At present the following software are available in the institute.

MATLAB, Xilinx vivado software, Mentor Graphics, MULTISIM 2001, Code Composer Studio, MASM software, DrillBit Extreme, (Windows 7 Pro, Windows 8 Pro, Windows 10 Pro, Windows 10 Edition, Windows server 2016, Windows Server 2018)-Microsoft Imagine Premium Subscription- License, ANSYS Introductory Multi Physics software, Auto Desk Inventor professional, CAM LAB, Solid works, Flexsim software, Promodel software, SPICE software, Bentley STAAD PRO software. In addition to the above software, the institute also has access to the software provided by AICTE like AUTOCAD, SCILAB etc.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 4.58

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Student – computer ratio	<a href="#">View Document</a>

#### 4.3.3 Bandwidth of internet connection in the Institution

**Response:** A. 750 MBPS

File Description	Document
Upload any additional Information	<a href="#">View Document</a>
Details of available bandwidth of internet connection in the Institution	<a href="#">View Document</a>

### 4.4 Maintenance of Campus Infrastructure

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

**Response:** 11.66

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

2020-21	2019-20	2018-19	2017-18	2016-17
48.68	62.40	54.13	39.54	20.615

<b>File Description</b>	<b>Document</b>
Upload any additional information	<a href="#">View Document</a>
Details about assigned budget and expenditure on physical facilities and academic support facilities (Data Templates)	<a href="#">View Document</a>
Audited statements of accounts	<a href="#">View Document</a>

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

##### **Response:**

The Institute has certain systems and procedure for maintaining and utilizing physical, academic and support facilities. The security of the institution is monitored by an external agency. Cleanliness of the campus and maintenance of buildings is taken care by Housekeeping services.

All sweepers will be under the control of Physical Director and all technical maintenance staff is under the control of Project Engineer. The institute prepares the routine and preventive maintenance schedule for all physical infrastructures and the maintenance schedule is executed with the support of both internal staff and external agencies. In addition to preventive maintenance, project office maintains a complaint register and whenever a complaint is recorded, it will be addressed immediately by the concerned technical staff.

##### **Classrooms:**

The institute has sufficient number of class rooms and laboratories to meet the requirements of all the departments. Classrooms are allotted as per the student strength. The maintenance of physical facilities of the institute such as departmental classrooms, seminar halls, department library, computers, projectors are done at their respective department level. Regular inspection of furniture and classroom equipment is carried out and maintained with the help of project office.

##### **Laboratories:**

Standard operational procedures for handling various chemicals, equipment and instruments are strictly followed. Stock registers are maintained and updated regularly in all the labs. Performance of equipment is monitored at regular intervals by the lab assistants and respective log books are maintained by them. Calibration of equipment is carried out periodically. All the minor repairs are carried out at the institute level whereas major repairs are outsourced. Annual stock verification is mandatory at the end of the academic year. Old and outdated equipment are discarded by standard procedure.

##### **Library**

Resources available in central library along with digital library are utilized by both staff and students. Text books are issued on tickets (5 for faculty and 4 for students) for a period of 15 days. Separate log books are maintained for faculty and students to assess the utilization of the facility. Periodically, condition of all the books is monitored and old books are maintained by binding the books if needed. Annual stock verification

is done to crosscheck the availability. Requirement for the purchase of text books/Reference books at the beginning of every academic year and purchased as per the recommendations of library committee.

### **Computers**

The maintenance of computer laboratories and software updates and issues related to internet/Wi-Fi are taken care by system administrator. Software will be up-graded as per the curriculum requirement. Maintenance of computer peripherals like printers, scanners etc. will also be done by the system administrator.

### **Sports facilities:**

A separate indoor games complex is built in the institute with the funding from GoI. Both the indoor and outdoor facilities available in the institute are utilized by hostellers and day scholars. During sports hour and after college hours, sports equipment is made available for students on request. The consumables for indoor and outdoor games are procured as required. Quality of sports equipment is checked daily by the physical director and corrective measures are taken on damaged equipment with prior information to the principal. All the courts of outdoor games and cricket pitch are maintained at regular intervals.

### **RO plant:**

An RO plant with a capacity of 2000 liters/day is installed in the campus to meet the requirements of academic buildings as well as hostels. Day to day maintenance of RO plants will be done by the institute in addition to scheduled maintenance by external agency.

### **Landscaping**

The institute has recruited a number of gardeners to maintain the greenery of the campus.

### **Solar Plant:**

Two roof top solar plants each of 100 kwp are installed on two academic blocks. The power generated by these plants are not only utilized by the institute but also supplied to the DISCOM.

All the solar panels are maintained by the technical staff of the EEE department.

### **Power supply, Electrical and UPS Maintenance, Air Conditioners Maintenance:**

Electricians under the control of project office look after the electrical power related problems in all the academic blocks and hostels. The institute has one 300 KVA transformer and 2 generators, one with 200 KVA and the other with 70KVA to meet the requirements of the entire campus. Telangana State Electricity department inspects the performance of the transformer periodically, based on recommendations, corrective actions are initiated. The diesel generators for power back up are inspected at regular intervals for proper maintenance. Air conditioners will be maintained by external agency.

### **Surveillance cameras, Fire extinguishers and Transport facilities:**

In order to keep the campus secure and safe, surveillance cameras are installed at several vital locations

inside the campus. The institute has 12 bus shuttles for the convenience of faculty and students. An Ambulance also serves transport in case of medical emergency. Portable fire extinguishers and hose reels are placed at appropriate locations in the campus as a fire safety precaution. The fire extinguishers are periodically inspected and refilled. Safety precautions are displayed in appropriate places in the campus.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

NAAC

## Criterion 5 - Student Support and Progression

### 5.1 Student Support

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

Response: 58.29

##### 5.1.1.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
1012	1007	1263	1324	1334

File Description	Document
upload self attested letter with the list of students sanctioned scholarship	<a href="#">View Document</a>
Upload any additional information Average percentage of students benefited by scholarships and freeships provided by the Government during the last five years (Data Template)	<a href="#">View Document</a>

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

Response: 10.02

##### 5.1.2.1 Number of students benefited by scholarships and free ships provided by the institution, Government and non-government bodies, industries, individuals, philanthropists during the last five years (other than students receiving scholarships under the government schemes for reserved categories)

2020-21	2019-20	2018-19	2017-18	2016-17
386	188	155	129	135

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Number of students benefited by scholarships and freships institution / non- government agencies in last 5 years (Date Template)	<a href="#">View Document</a>

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

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

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

File Description	Document
Details of capability building and skills enhancement initiatives (Data Template)	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

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

**Response:** 100

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

2020-21	2019-20	2018-19	2017-18	2016-17
1879	1957	2028	2128	2165

File Description	Document
Number of students benefited by guidance for competitive examinations and career counselling during the last five years	<a href="#">View Document</a>

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



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

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

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Minutes of the meetings of student redressal committee, prevention of sexual harassment committee and Anti Ragging committee	<a href="#">View Document</a>
Details of student grievances including sexual harassment and ragging cases	<a href="#">View Document</a>

## 5.2 Student Progression

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

**Response:** 44.21

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

2020-21	2019-20	2018-19	2017-18	2016-17
261	263	235	224	194

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Self attested list of students placed	<a href="#">View Document</a>
Details of student placement during the last five years (Data Template)	<a href="#">View Document</a>

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

**Response:** 30.74

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

**Response:** 154

File Description	Document
Upload supporting data for student/alumni	<a href="#">View Document</a>
Details of student progression to higher education (Data Template)	<a href="#">View Document</a>

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

**Response:** 76.56

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

2020-21	2019-20	2018-19	2017-18	2016-17
24	45	32	24	20

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

2020-21	2019-20	2018-19	2017-18	2016-17
31	55	41	35	26

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

## 5.3 Student Participation and Activities

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

**Response:** 136

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

2020-21	2019-20	2018-19	2017-18	2016-17
2	14	58	12	50

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

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

**Response:**

- The institute has framed well defined norms to facilitate student's representation. Including **IQAC**, Internal Complaints Committee (**ICC**) in many of the committees' student representatives are nominated.
- Every alternate year, the institute celebrates a **National level Technical, Sports and Cultural fest called KITSOZEN**, a platform created for students to exhibit their talent in curricular, co-curricular and extra-curricular events. Two final year students from different branches of engineering are elected as coordinators of this program. Student committees are formed to organize the various events of the fest like Paper Presentations, Art Gallery, Singing competitions, Fashion show etc.
- **Anti-Ragging committee:** This committee creates awareness among the students about prevention and prohibition of ragging in the campus.
- **Class review committee:** From each class 2 boys and 2 girls are nominated as Class Representatives (CRs) based on their merit. Twice in a semester, CRs meeting is conducted by the academic in-charge under principal's supervision, to discuss various issues related to academics and administration.
- **Departmental Association:** Each department is having a departmental association with 2nd, 3rd and final year students as executive body members. A final year student will lead the association as a Secretary/President.

- **National Service Scheme:** NSS provides the students an opportunity to develop among themselves a sense of social and civic responsibility. Activities carried out by NSS committee are: Swacha Bharath, Haritha haram, Stage shows, Awareness rallies, Blood donation camps and participation in Unnath Bharath abhiyan scheme initiated by the Govt. of India.
- **Student Activity Center (SAC):** Under the banner of SAC, students play an active role in celebrating state Festivals (like Bathukamma, Ganesh Chaturthi) in the premises of the institution. SAC organizes seminars / workshops for students to upgrade themselves towards the latest technology.
- **Popular Science Club (PSC):** All B.Tech first year students are members of this club. PSC organizes guest lectures, seminars, interaction with industry experts to understand the latest developments in their related domains.
- **Alumni Committee:** Alumni of the institution play an active role in programs like Department Association events, mentoring students for career guidance and entrepreneurship based on their rich experience in their areas of expertise for the benefit of the students. Our alumni are extending financial support for the development of the institution.
- **Quiz Club:** The main purpose of the club is to make students aware about pattern of various competitive examinations. This club gives the students an opportunity to test their knowledge in current affairs.
- **Professional Bodies:** The institution has active student chapters affiliated to Institute of Engineers (IE), ISTE, CSI, SESI, SAE etc. The students are encouraged to take part in various events organized by these professional bodies.

**National Cadet Corps (NCC):** The aim of NCC is to develop discipline, character, spirit of adventure, selfless service and leadership qualities among the students. NCC cadets have taken active participation in the events like: Swachatha Hi Seva, Cycle rally, Swacha Bharath program and blood donation camp.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

Response: 21.8

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

2020-21	2019-20	2018-19	2017-18	2016-17
8	16	42	18	25

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

- Alumni association of KITS, Singapuram is a registered society under government of Andhra Pradesh on 5th February 2009 under Andhra Pradesh society's registration act 2001AD (act no 35 of 2001). It was named as KITS ALUMNI WELFARE ASSOCIATION.
- Governing body is constituted for the alumni association, with office bearers who take the major decisions in policy matters, financial issues and assigning responsibilities to the members depending on requirements from time to time.
- The alumni association of the institute and its members are in regular contact, to know the developments from both the sides. Any student, either UG or PG, who have completed their course are eligible to become a member of the association. A total of 2315+ alumni from all departments have registered with the association.
- It is a regular practice of the association to invite alumni to the institute/department and organize interaction sessions with the present students, to give them awareness about the latest trends in industry; both core as well as software and suggest the present students how to become industry ready. Alumni are also invited for delivering guest lectures, to fill the curricular gaps based on their areas of expertise.
- Alumni who are working for core sectors also help the students in getting the permission for industry visit/ internships etc. alumni are also involved in guiding the students in choosing their final year projects and appropriate career paths.
- Alumni of the institute are also contributing by way of giving their valuable feedback in the formation/ modifications of the vision, mission of their parent department.
- Alumni representation is there in important and decision making committee of the institute i.e. Internal Quality Assurance Cell (IQAC).
- Association also arranges motivational lectures to the students by alumni entrepreneurs, through Entrepreneurship Development Cell.
- Alumni association plays an important role in motivating the alumni for financial support to the institution. As a result of this, alumni have contributed a fund of around Rs. 8 Lakhs in the last 5

years.

- The association organizes an alumni meet at institute level bi-annually, in addition to the department level alumni meets. Annual periodical alumni meetings at local, college level are held where the activities of the alumni and future plans are discussed.
- Alumni are in forefront for referring their juniors at their workplace when ever vacancies arise.
- Alumni of the institute have played a crucial role in improving the placements by interacting with the Training and Placement cell and involving themselves in training the students to face the campus placements effectively.
- The association is striving hard to do all the things that are incidental or conducive for the attainment of objectives of the association.
- Alumni association is planning to further strengthen the network and contributions of the alumni for improving the institute in all the aspects.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Paste link for additional information	<a href="#">View Document</a>

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

**Response:** A. ? 5 Lakhs

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## Criterion 6 - Governance, Leadership and Management

### 6.1 Institutional Vision and Leadership

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

**Response:**

**Vision:**

The Institute aims to provide quality technical education to its students by expanding the horizons of knowledge, innovation and character-building in local and global perspective.

**Mission:**

- To disseminate technical knowledge of highest order to meet the professional challenges.
- To nurture the students for technical and global economic competitiveness.
- To impart leadership qualities among the students and make them responsible to the society.

Kamala Institute of Technology and Science (KITS) was established in 1997, with a vision to nurture quality professionals, with employability skills necessary for the fast paced technological and industrial developments across the globe. Over the past 25 years, as a pioneering Institute of technical education in this region of Telangana, KITS has evolved continuously keeping with the times to achieve its vision of providing quality and value based technical education. The facilities provided in the institute empower the students with latest knowledge as per the industry demands.

The focus and commitment of the management is to create socially responsible and ethically conscious qualified engineers with outstanding performance in their endeavors, by incorporating experimental and project based learning, with Industry-Institute Interaction. Students are exposed to learning experience using theory, practical sessions, assignments, remedial classes for slow learners, interactions with industry experts, debates and group discussions, which enhances the quality of the students and hones up their skills.

The institute with well defined policies strongly supports in accomplishing vision. Many committees are formulated to distribute the academic and administrative activities, to empower the staff and encourage participative management. Experienced faculty are nominated in decision making bodies like Board of Governors and IQAC and other staff are involved in committees like DAC and Project Evaluation Committees.

IQAC and IAC regularly monitor the teaching process to enhance the quality of teaching -learning process to achieve the institute's vision, of providing quality technical education to its students. In line with the vision of providing quality technical education, the institute motivates faculty for upgradation of qualification and also encourages both staff and students to update by attending FDPs/Workshops/Conferences/Webinars etc. To nurture the students towards its vision, KITS has established an Institution's Innovation Council (IIC) and also has *National Innovation and Startup Policy* (NISIP) to promote innovative ideas among the students. The institute always encourages final year students to take up societal based innovative projects.

Character building is the prime focus of the institute. KITS has an NCC unit (9(T) BN), with an intake of 100 cadets and two university sanctioned NSS units. They mould the students as socially and ethically conscious professionals and well disciplined responsible citizens.

The institute has introduced many student driven clubs, departmental associations and professional bodies, in organizing / participating intra and inter college technical, sports and cultural events, conduct quiz and other competitions that gives myriad opportunities for over all development of students. These events help students to develop right attitude and encourages them to grow into individuals to take leadership positions.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

#### **Response:**

Kamala Institute of Technology & Science has a well defined organizational structure which encourages decentralization. The Structure is designed to nurture team spirit and foster leadership skills. The institution has a decentralized and transparent mechanism in administration, financial and academic matters. The Governing Body is the highest decision-making body which formulates/amends rules and regulations, delegates' powers and responsibilities to Principal, Head of the Departments, officer in charges of the various sections and committees. Internal Quality Assurance Cell (IQAC) of the institute has institutionalized the quality policy and making all possible efforts for quality enhancement in various aspects.

#### **Case study on decentralization:**

The institute decentralized its governance at all levels. The following case study illustrates in teaching-learning process.

Institute Academic Committee (IAC) discussed the plan of action for implementation. IAC delegates authority to Department Academic committee (DAC) consisting of head of the department and senior faculty, to suggest about the syllabus, by considering feedback from various stake holders. Faculty takes the responsibility of covering the syllabus where as the Class Coordinators plays an important role by monitoring the progress and reports the same to the department Academic Coordinator who in turn reports to the Head of the department. The interaction between the faculty and the students brings about academic progress and resolve personal problems if any. Class Representatives meetings will be conducted at the department level as well as at the institute level to discuss various academic and other problems.

Participative management is implemented in the institute by way of involving faculty for taking various additional responsibilities like department coordinator for Training and Placement, Examination Branch, Entrepreneurship Development Cell, Career Guidance Cell, Industry-Institute Interaction Cell, Grievance Redressal Cell, Library, Alumni Association, Sports, NCC, NSS, Website, SC/ST welfare Committee and



Anti-ragging Committee.

### Case study on participative management:

Various committees have been formulated at the institute level as well as at the department level for the recently concluded National Board of Accreditation Committee visit. Senior faculty was assigned the responsibility of coordinating the various activities and criteria, with the Principal as the chair person. Senior fraternity were designated the responsibility of coordinating the various criteria at department level under the guidance of the respective Head. The committees coordinated and conducted meetings regularly to apprise. Every weekend, institution level meetings were held to check the progress of work done and to chalk-out the future course of action. Thus with the involvement and participation of every faculty, under the guidance and supervision of the Principal, NBA committee visit has been completed smoothly and all the three branches which have applied for have been accredited.

Participative Management successfully practiced in the institute by involving all the stakeholders by regularly conducting parent-teacher meetings and alumni interactions. All the staff members and employees were involved in the management either as a subject teacher or/and laboratory instructor or/and student counselor.

It can be stated with affirmation that participative management is successfully practiced resulting in a win-win solution.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.2 Strategy Development and Deployment

### 6.2.1 The institutional Strategic / Perspective plan is effectively deployed

#### Response:

The institute develops strategic plans for every five years, in tune with its Vision and Mission. In an effort to create a quality engineering workforce and upgrade the institute, sustainable long term training plans are prepared.

The following table illustrates efforts in direction of the areas included in the Strategic plan of the institute for five years (2015-20) and its impact.

Areas to be focused as per strategic plan (2015-20)	Efforts towards deployment & impact
Quality technical education	Faculty was encouraged to upgrade by attending FDPs, conferences and registering MOOCs. 340 Faculty attended FDPs/WS etc. and 120 Faculty registered for MOOCS.
Accreditation of the Institute/departments	Accredited by NAAC with B++ grade.

Quality assurance certification	ISO 9001:2015 certification.
Improvement in number of faculty with doctoral degrees	Faculty got motivated to register Ph.D. 33 faculty have registered and 12 got awarded.
Industry-Institute Interaction	Departments have signed MoUs with different industries/ organizations and the number of effective MoUs rose to 47.
Green Initiatives	Initiatives were taken in the direction of alternative energy sources and also a club was formed to give awareness to the staff and students regarding environment.
Societal based student projects	Students were motivated to take up rural problems and address. Many societal based projects were taken up by the students.

An environment of learning and development is created for the students to learn and grow. At the end of every academic year, an academic audit is carried out. The assessment is made on the basis of attainment levels. Based on the audit report received from different departments, IQAC gives suggestions to fill the gaps identified in the academic audit. Accordingly, the departments take actions and it has resulted reasonable improvement in a variety of parameters.

#### **Case study:**

One of the major areas where the institute has effectively deployed strategic plan is, taking up green initiatives like, installation of solar energy panels and establishing Carbon Conscious Environmental Club. Two solar panels amounting to a capacity of 200KWP were installed on the roof tops of two buildings in the campus and are linked to power grid. As a result of these efforts, power consumption from the grid and power expenses have reasonably reduced. Being a rurally located institute with frequent power cuts, installation of solar panels has been a great initiative by the institute. Even students were encouraged to take up diversified projects using solar energy, farmer and environmental friendly projects, etc. Further the institute also installed solar hot water systems in the hostels with capacity of 6.3Kl to reduce the electrical load.

Carbon Conscious Environmental Club is established with a motto of creating an awareness about protecting environment by reducing carbon footprint and replacing with green energy sources and eco-friendly measures. Many initiatives have been taken under the banner of this club like usage of bicycles in the campus, encouraging vehicle pooling and usage of public transport, etc which yielded quite encouraging results.

File Description	Document
Upload any additional information	<a href="#">View Document</a>
strategic Plan and deployment documents on the website	<a href="#">View Document</a>

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

#### Response:

The organizational structure of the Institute is created in adherence to the rules of the Affiliating University, JNTU Hyderabad.

- Governing Body is formed as per the AICTE norms. Chairman, Secretary and Principal are the Ex-officio members of the Governing Body by virtue of their positions.
- Governing Body meets at least once in every six months and more if the situation demands. Key policy decisions on administrative and academic matters are taken in meetings. It also focuses on other important issues like physical infrastructure facilities, new programmes /additional intake, policies for faculty & students and approval of budget.
- The Institute focuses on the effective implementation of policies via institutional level bodies like IQAC, Training and Placement (T&P) cell, Industry Institute Interaction Cell, Entrepreneurship Development Cell, Research & Development Cell, Examination Section, Career Guidance cell, Grievance Redressal Cell and through committees like Institute Academic Committee (IAC), Library Committee, and Anti Ragging Committee etc.
- Registrar, IQAC Coordinator, Heads of various departments, In-charges of Examinations, Academics, and Training & Placements, Project Engineer, Physical Director, Senior Wardens and Librarian are the major positions in organizational structure and they report to the Principal.
- Principal plays a vital link between the management and administrative staff and ensures that the decisions taken by the Governing Body percolate to all the levels for effective implementation.
- IQAC discusses the quality improvement strategies/policies and the same will be conveyed to other bodies/cells of the institution.
- Institute Academic Committee (IAC) meets at regular intervals and discusses all the academic related issues and initiates actions accordingly.
- In charge of academics takes care of the academic activities such as subjects offered by the University, implementation of academic rules, conduct of class work, monitoring students' attendance, detention etc. and maintains all the records related to academics.
- In charge of examinations takes care of the conduct of internal and external examinations fairly, duly assisted by the faculty representatives of various departments.
- Training and Placements Officer (TPO) is responsible for organizing various technical and soft skills training sessions for the students by hiring external trainers. TPO acts as a link between the industry HR recruiters and the institute, and is responsible for the placements of the students.
- Heads of the departments are responsible for all the academic activities of their departments.
- Library Committee discusses and procures books/journals etc. as per the requirement.
- Institute's strategic plan of securing ISO certification, accreditation for three departments, CSE, ECE and EEE by NBA, improvement in the number of faculty with doctoral degrees, is a proof of functioning of institutional bodies in effective and efficient manner.

- Administrative manual was prepared as per State Government and AICTE norms and approved by BoG.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

### 6.2.3 Implementation of e-governance in areas of operation

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

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

File Description	Document
Screen shots of user interfaces	<a href="#">View Document</a>
ERP (Enterprise Resource Planning) Document	<a href="#">View Document</a>
Details of implementation of e-governance in areas of operation, Administration etc	<a href="#">View Document</a>
Any additional information	<a href="#">View Document</a>

## 6.3 Faculty Empowerment Strategies

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

**Response:**

Various welfare schemes provided for the benefit of teaching and non-teaching staff:

- Fee concession is given for the children of teaching and supporting staff studying at our institution.
- Free uniform for class IV employees and Engineering Workshop supporting staff.
- Maternity leave for women.
- Paternity leave.
- Group Insurance, Gratuity and EPF to the employees.
- Promotions and increments are given to the teaching and non-teaching staff based on experience and on obtaining higher qualification.
- Teaching and non-teaching staff opting to stay at hostel and on-campus are given accommodation for nominal rent and amenities like electricity at highly subsidized rates are provided.
- Encourages the faculty to publish research papers in conferences, journals.
- Special academic leave for pursuing Ph.D is granted.
- Sponsoring for higher education through Quality Improvement Program (QIP).

- Encourages and assist financially to teaching and non-teaching staff to participate actively in workshops, conferences and Faculty Development Programmes (FDPs).
- Institute provides paid leaves to attend workshops/ conferences/seminars/FDPs.
- Sports and gymnasium facilities for staff.
- Health care clinic and ambulance facilities.
- Canteen facility with subsidized food.
- Availability of Casual Leaves in a calendar year.
- Provision for CCLs for supporting staff and ELs (for both teaching and supporting) regular faculty in lieu of summer vacation.
- Commuted leave facility of 20 half days (= 10 full days) per year on medical grounds.
- Felicitating teachers for their prolonged service to the institution.
- Felicitating faculty members for their achievements like getting awarded Ph.D / Award of Ph.D to their scholars.
- The institution organizes health awareness camps and free health checkups.
- Health center and ambulance facilities for faculty and employees.
- Institution organizes FDPs and workshops for faculty and training programs for technical supporting/administrative staff.
- Subsidized transport facility for the staff.

#### Professional growth welfare schemes:

- Financial Support for attending FDP, Refresher courses, workshops and for publications in journals & conferences etc.,
- Financial assistance for Professional body memberships.
- On-duty leave for attending FDP, conferences and for research work (Ph.D).
- On-duty leave for attending MOOCS/NPTEL exams.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:** 17.41

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

2020-21	2019-20	2018-19	2017-18	2016-17
40	29	8	15	14

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of teachers provided with financial support to attend conference, workshops etc during the last five years	<a href="#">View Document</a>

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

**Response:** 9.4

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

2020-21	2019-20	2018-19	2017-18	2016-17
16	9	9	8	5

File Description	Document
Upload any additional information	<a href="#">View Document</a>
Details of professional development / administrative training Programmes organized by the University for teaching and non teaching staff	<a href="#">View Document</a>

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

**Response:** 56.6

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

2020-21	2019-20	2018-19	2017-18	2016-17
105	89	53	58	42

File Description	Document
Upload any additional information	<a href="#">View Document</a>
IQAC report summary	<a href="#">View Document</a>
Details of teachers attending professional development programmes during the last five years	<a href="#">View Document</a>

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

#### Response:

#### 1. Performance appraisal system for teaching staff:

The institute has the practice of evaluating the performance of the faculty based on self appraisal, confidential report of the heads of individual departments and students' feedback.

Every year all the faculty are given a self assessment questionnaire, which consists of three parts as the follows:

#### Part-I

Faculty details:

- Professional details of the faculty
- Improvement of academic qualifications in-service.
- Promotions received since joining.

#### Part-II

Self Assessment Report:

- Subjects/papers taught in each semester.
- Semester wise pass percentage/performance of the students.
- Preparation of lab manuals.
- Contribution as counselor
- UG, PG & Ph.D guidance
- Use of additional sources of knowledge while teaching the subject.
- Details of research papers published/presented.
- Contribution in Laboratory / Course Development
- Co-curricular
- Professional development
- Extra-curricular
- Administration/ Additional duties performed in the department/institute level.
- FDPs / STTPs/ Refresher or Orientation courses organized/attended
- Workshops / Conferences organized/attended
- Membership or Fellowship of Professional / Academic Bodies, Societies

- Additional Contributions, if any.

### Part-III

#### i). Assessment by Head of the Department:

All the faculty submit their self appraisal form to the respective Head of the department. Every faculty will be evaluated by the head, in 20 different criteria like regularity, punctuality, relation with other faculty, supervisory ability etc. on a 5 point scale (Dissatisfactory to excellent) and this confidential report will be sent to principal.

#### ii) Remarks of the Principal:

Principal scrutinizes and evaluates the performance of each faculty based on the self appraisal, confidential report of the Head of the department.

In addition, feedback will be collected by students on every faculty at the end of the semester. Faculty will be evaluated for his/her teaching-learning process and class room interaction. Feedback collected from all the students about a particular teacher will be analyzed by the academic section and his/her grading on a 10 point scale is calculated.

Principal will write his remarks about the faculty based on the report submitted by the head on his performance as well as considering the students feedback collected by the Institute Academic Committee. Finally appraisal forms will be submitted to secretary and correspondent for the perusal.

### 2. Performance appraisal system for the non-teaching staff:

The non-teaching staff performance is evaluated on the basis of:

- Performance in the laboratories.
- Ability and sincerity in discharging various responsibilities assigned by the Head of the departments and section-in-charges.
- Ability to work for extra hours with responsibility.

Based on the above parameters, a report will be submitted on each employee to the principal for further consideration.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

## 6.4 Financial Management and Resource Mobilization

### 6.4.1 Institution conducts internal and external financial audits regularly



**Response:**

- A finance committee constituted to assess the income from various sources and to examine budget requirements for various departments for the finance year. The committee, after careful examination prepares budget proposals and forward to Governing Body for approval.
- In the beginning of financial year, the Principal issues a circular inviting the budget requirements from Heads of the departments, Project Engineer and other sections to submit the proposals for financial year.
- The budget proposals are made on different heads such as laboratory equipment, library expenses, salary payments, building and infrastructure, sports facilities, maintenance and other expenses.
- The comprehensive budget proposal is placed for the approval of the finance committee. Finance committee approves the budget with modifications if any and places for the approval of Governing Body.
- After Governing Body's approval, the same will be communicated to the people concerned.
- The purchases are made on the basis of least quotations received from different firms.
- The finance committee acts as internal auditor. The committee audits and verifies the accounts in the middle of financial year.
- The Principal and the registrar of the institute verifies fee receipts, payment vouchers, purchase orders, principal's approval for the payments made, budget coverage, bills and delivery challans, stock entry registers, cashbook and ledger and subsidiary ledgers and other documents as required for the audit.
- The institute has a chartered accountant from SCV & Associates (Reg. No. 003666S) an external auditing agency. They audit the accounts every year and these financial documents are used for all statutory purposes.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response: 0**

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

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

File Description	Document
Details of Funds / Grants received from of the non-government bodies, individuals, Philanthropers during the last five years	<a href="#">View Document</a>
Annual statements of accounts	<a href="#">View Document</a>

### 6.4.3 Institutional strategies for mobilisation of funds and the optimal utilisation of resources

#### Response:

#### i) Strategies for mobilization of funds:

- The major source of income for the institute is the funds through tuition fee paid by the students. Additional requirements are supported by the society.
- It also generates income by offering the facilities for the various competitive examinations like TCS, TSPSC, NTA, TSEAMCET on-line and off-line examinations, GATE exam, PSU banks etc
- Sponsorship received from AICTE for STTPs.
- Offering consultancy.
- Alumni, philanthropists and other stake holders.

#### ii) Optimal utilization of resources:

Funds mobilized by the institution are utilized under the following categories.

- Salaries of teaching and non-teaching staff.
- Adequate funds are allocated and utilized for FDPs, orientation programs, workshops, etc. to ensure quality in education.
- Requisite funds are allocated and utilized for enhancement of the library resources.
- Development and maintenance of the infrastructure.
- Sponsorship of innovative student projects.
- Research and development

The optimum utilization of financial resources is achieved through financial committee at institute level.

- The internal and external audit is performed periodically to make sure that the budget is optimally utilized for the purpose intended.
- The funds are utilized based on the budget approvals.
- All purchases are made through quotations, comparative statements and negotiations for procurement of capital equipment and infrastructure facilities.

File Description	Document
Upload any 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

#### Response:

The institute Internal Quality Assurance Cell (IQAC) policy includes adopting latest methods of teaching-learning and to upgrade the knowledge base, skills and techniques of staff and students by continuous interactions with academia, industry and the society at large.

Since its inception IQAC has adhered to its quality policy and framed a number of quality strategies in line with it. IQAC implements its strategies through various committees and cells in the institution like, Institution Academic Committee (IAC), Department Academic Committee (DAC), Administrative and Academic Audit Committee (AAC), Training and Placement (T&P) Cell, Research & Development (R&D) Cell, Industry-Institution Interaction Cell (IIIC), Examination Branch, Alumni Association, Library Committee etc. IQAC has contributed by way of institutionalizing its strategies for quality assurance. The following two practices yielded good results.

#### 1. Upgradation of qualification & Updation of knowledge by Faculty and Students:

IQAC has efficiently institutionalized this strategy. Institute has permitted many faculty members to upgrade their qualification during their service. They are encouraged to actively involve in research by registering for Ph.D and publishing quality papers. As a result of this strategy, in the last five years 33 faculty members have registered for their Ph.D and 12 faculty members awarded with Ph.D Degree. Faculty members are encouraged to update themselves continuously by attending FDPs, Workshops, Conferences and Webinars. The institute also extends financial support and paid leaves to faculty for publishing papers in conferences and attending FDPs/conferences/workshops. This strategy resulted in significant improvement in number of programs attended by the faculty. During the COVID -19 pandemic also faculty updated themselves by attending many online programs. Both faculty and students are also encouraged to register for courses through MOOCs and update themselves. This strategy yielded good results, many of the faculty members and students have received certificates in various MOOCs courses.

#### 2. Enhanced Industry-Institute interaction:

Another important strategy institutionalized by IQAC enhancing the Industry-Institute interaction and giving exposure to students about the latest trends in industry, which not only improves their job readiness but also assures quality in their learning process. As a result of this strategy the number of active MoUs of the institute with different organizations have improved, which in turn gave opportunity to many of our students to get industrial exposure as a part of their industry oriented mini projects and internships (online/offline) in the last five years. In addition every year few students will do the major projects in the companies, with which the institute has signed MoU. The institute has reaped other benefits like Guest Lectures from Industry persons, good number of Industry Visits. Few departments even conducted programs in association with these organizations.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

**Response:**

The vision of the institute itself is promoting quality technical education to the rural youth. In line with its vision the institute puts its possible efforts in all the required directions. As Teaching- Learning process is the back bone in providing quality technical education, it is a practice of the institute to regularly review the Teaching- Learning process. To fulfill this goal, IQAC of the institute has established required structures and methodologies.

Institute Academic Committee (IAC) plays a major role in reviewing the Teaching- Learning process by taking the help of academic section. At the end of every semester Academic section will collect and analyze the feedback of students on all the teachers performance on a 10 point scale and the same will be communicated to the teacher as well as concerned heads of the department. Based on the score, actions will be taken by the head and the same will be communicated to the academic section. As a result of this exercise, the number of faculty who scored less than bench mark point (6 out of 10 score) has reduced and also the number faculty with good score i.e above 7 has reasonably increased.

IQAC also concentrates on feedback on physical facilities which indirectly supports teaching learning process. Academic in-charge and Principal will convene a meeting with class representatives (CRs) and take the feedback on teaching learning process, syllabus coverage and other academic issues, if any. Issues raised in the meeting will be resolved immediately, through the concerned heads of the department. In addition to regular class room teaching, IQAC insisted on learning beyond the curriculum by registering with platforms like MOOCS. This resulted in a good number of registrations by faculty and students. Department Academic Committee (DAC) reviews the curricular gaps and suggests for plan of action to bridge the gap and suggests programs like guest lectures, Industrial visits, Internships to fill the gaps.

**Learning outcomes:** IQAC reviews and focuses on learning outcomes of the students in different prospects. One important measure considered is attainment of Course Outcomes (COs) and Program Outcomes (POs). This will be reviewed at department level and actions will be taken as per the requirements.

Another area considered is performance of students in internal and external examinations. Remedial classes will be conducted for students whose performance is not satisfactory. Similarly counselors will take extra care on such students.

One more area considered by IQAC is job readiness and placements of students. This task will be taken up T&P cell by organizing training programs to enhance communication skills, soft skills and technical skills

etc. T&P cell has also provided the support of organizations like SALES FORCE and TASK and even alumni. All these efforts resulted in drastic improvement in placements.

File Description	Document
Upload any additional information	<a href="#">View Document</a>

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

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

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

File Description	Document
Upload e-copies of the accreditations and certifications	<a href="#">View Document</a>
Upload details of Quality assurance initiatives of the institution	<a href="#">View Document</a>
Upload any additional information	<a href="#">View Document</a>
Paste web link of Annual reports of Institution	<a href="#">View Document</a>

## Criterion 7 - Institutional Values and Best Practices

### 7.1 Institutional Values and Social Responsibilities

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

##### Response:

Kamala Institute of Technology & Science gives paramount importance to the safety and security of everyone on the campus. Institute is a desired & popular destination, especially girl students. KITS management is committed to provide a ragging free environment and a culture of mutual respect and friendliness is promoted in the campus.

In addition to the engineering subjects, Human Values, Gender Equity, Professional Ethics are included in the Institute curriculum as mandatory subjects. Apart from the classroom teaching, gender equity and sensitization issues are promoted in the institute through co-curricular activities like guest lectures, paper and poster presentations, debates, group discussions, theatrical performances, counseling etc., on a regular basis. These co-curricular activities enable the students to think away from conventional gender discriminatory rules of the society. Awareness programmes on human rights, cyber security related to safety of women employees and students are conducted periodically. Every year SHE teams of Karimnagar police department, local town leading lawyers visit the campus to sensitize the students on gender issues and create awareness on the constitutional rights and acts related to women.

Institute encourages women faculty by entrusting them with major responsibilities in the administrative setup like Heads of the Department, Training and Placement Officer, Examination in-charge, event and fests' coordinators etc. Each class has two class representatives, out of whom one is girl student. Institute has 100 cadet strength NCC unit comprising of both girl and boy cadets. NSS unit has equal representation from girl volunteers along with boys. Institution has constituted cells like grievance redressal cell, anti-ragging committee, sexual harassment and women protection cell etc., involving all the lady faculty member. The functions of these committees, along with the phone numbers of the members are displayed on the website for ready reference of the needy. Students' activity centre (SAC) organizes women centric festivals like dandiya, bathukamma every year during navarathri celebrations, conducts rangoli competitions etc.

#### Facilities for Women

##### Safety and Security

Security staff is posted on the campus for the safety of staff and students and accompany the Ist year students while going for lunch to the hostels or shifting from classrooms to laboratories.

Institute gives paramount importance to the safety of the girls staying in hostels. Girls hostel buildings are located adjacent to (in midst of) Principal's residence, Staff quarters and Guest House, with Security staff posted 24/7.

Institute has a Health Care Centre with a local lady doctor and an ambulance service.

Entire campus has extensive surveillance network through CCTV cameras with 24x7 monitoring.

Suggestion boxes are placed for grievances and are addressed immediately if any.

Precautionary measures are taken during fests and events which happen beyond college hours.

### **Counseling**

Personal counseling is provided to the students particularly to girls by senior lady faculty regularly.

Motivational speakers are invited to address the students on issues like depression, goal setting and gender related issues.

In specific cases parents too are called and counseled.

### **Common Rooms**

Institute has separate waiting halls with washrooms for girl students.

Washrooms are provided with sanitary napkin vending and disposal machine.

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

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

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

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

<b>File Description</b>	<b>Document</b>
Geotagged Photographs	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

### 7.1.3 Describe the facilities in the Institution for the management of the following types of degradable and non-degradable waste (within 500 words)

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

#### **Response:**

#### **Waste Management**

Waste management includes the process of collection, transportation and disposal of garbage and sewage and other waste products. Kamala institute strongly believes in the concepts of 3R's namely Reduce, Recycle and Reuse for a clean and green campus. The NSS unit of the college plays a prominent role in maintaining green campus by conducting activities like planting trees, cleaning of roads etc., under the banner of Swachh Bharat Abhiyaan of the central government. The importance of waste management and methods of waste disposal mechanism is taught to students through mandatory papers such as environmental studies. Institute discourages wastage of water by installing push button taps.

#### **Solid Waste Management**

Institute has an effective organic waste management practice for soil conservation and increased yield of fruits and flowers. Solid waste which includes glass, metal, paper, plastic, wrapper etc., is collected and disposed off in a systematic way. Waste is collected in the bins placed across the campus at all vantage points and wet and dry waste is segregated. Wet waste is collected in green and dry waste is collected in blue dustbins.

Old newspapers, little plastic waste, discarded student files, folders and cartons are collected and disposed for recycling through vendors. Corrugated boxes and cartons are used to make creative dustbins to collect dry waste. Unusable scrap iron from construction projects is disposed for recycling.

Biodegradable waste like dry leaves, leftover food from residential quarters, hostel kitchens and canteen are collected and is used as fertilizers for the flower garden and mango grove located on the campus.

Institute discourages usage of plastic, especially single use plastic and attempts are being made to eradicate completely any form of plastic on campus. Awareness sessions are conducted periodically, apart from placing display boards on the campus.

#### **Liquid Waste Management**

Waste water from RO treatment plant is used for watering the plants. Other liquid wastes generated on the campus which includes sewage, laundry, hostel and canteen is used for watering the garden and lawns on the campus.



**E-Waste Management**

Frequent advancements in the technology leads to electronic products, gadgets and equipment becoming obsolete, and hence there is a need for E-waste management. Technical staff takes care of the maintenance of the computers and other electronic equipment regularly

E-waste like CRT monitors, desk tops etc., generated in the campus is collected by the project engineering department. Once the equipment that needs to be disposed is identified, it is segregated into three categories.

First group of material is reused as spare parts where needed. Second group of equipment like computer peripherals is sent to IT workshop, where it is used for demonstration to the students and students practice reassembling which helps in application oriented learning and the third group that needs to be disposed is handed over to the vendors for recycling.

File Description	Document
Link for Geotagged photographs of the facilities	<a href="#">View Document</a>

**7.1.4 Water conservation facilities available in the Institution:**

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

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

File Description	Document
Geotagged photographs / videos of the facilities	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.5 Green campus initiatives include:**

1. Restricted entry of automobiles
2. Use of Bicycles/ Battery powered vehicles
3. Pedestrian Friendly pathways
4. Ban on use of Plastic
5. landscaping with trees and plants

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

File Description	Document
Any other relevant documents	<a href="#">View Document</a>

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

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

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

File Description	Document
Reports on environment and energy audits submitted by the auditing agency	<a href="#">View Document</a>
Certification by the auditing agency	<a href="#">View Document</a>
Any other relevant information	<a href="#">View Document</a>

**7.1.7 The Institution has disabled-friendly, barrier free environment**

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

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

File Description	Document
Any other relevant information	<a href="#">View Document</a>

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

**Response:**

KITS has been a socially conscious organization (in all these years of existence) since inception. Institute organizes various programmes to ensure harmony among students, who come from different religions,

regions, communities and diverse socio-economic back ground. It promotes and upholds integrity and ethical values by fostering an inclusive environment. Each and every student is involved in one or the other of the various activities/events organized in the campus. These interactions help the students to develop empathetic attitude and step out of the campus with a broader outlook.

**Initiatives taken up by the institute in this regard are as follows:**

Institute celebrates 3-Day Mega National Fest biennially. One day is exclusively dedicated for various cultural activities, apart from special festivity celebrations in the evening everyday like traditional fashion walk, Dandiya, musical concerts, special dance items representing different states like Bhangra of Punjab, Bharatanatyam of Tamilnadu.

Majority of the students are members of Students Activities Centre (SAC). SAC along with department student associations, celebrates traditional day and other competitions to promote harmony among students from diverse backgrounds.

Ganesh Chaturthi is celebrated in a grand manner for 9 days. A special permanent pandal is constructed in the hostel premises. Every day evening both girl and boy students and staff perform puja followed by folk dances and songs. Students from different religions and communities participate enthusiastically. A room is specially allotted for Muslims to offer prayers in the college.

National and regional festivals like Sankranti, Bathukamma, Ramzan and Christmas are celebrated in the college by involving all the students. Rangoli competitions and kite festival are conducted during Pongal festival.

Every year since 2016, few students from Ladakh and Jammu and Kashmir join in KITS for B.Tech, under “The Prime Minister Special Scheme (PMSS)”. Two supernumery seats are allotted by AICTE and government for students from Andaman and Nicobar islands. Initiatives like cooking food (roti, chapattis) to suit their tastes are also provided in canteen and hostel.

NCC cadets and NSS volunteers assist the local police in maintaining law and order during local/national festivals like Sammakka Saarakka Jatara, Bonalu etc. They assist health department in creating awareness about the importance of hygiene during social gatherings etc., and received appreciation from these government authorities many a time.

Students from diverse education and socio-cultural background and with different levels of sophistication and competence in English communication join the institute. Institute/SAC/Popular science club organizes literary events like essay writing, elocutions, role plays singing and dancing competition in national and regional languages like hindi, English and telugu to promote linguistic harmony. Linguistic differences are assimilated by ensuring a common professional language (English) during working hours. However, care is taken to ensure no one, student or staff, is made to feel marginalized due to linguistic insufficiency.

File Description	Document
Link for supporting documents on the information provided (as reflected in the administrative and academic activities of the Institution)	<a href="#">View Document</a>

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

#### **Response:**

KITS is always in the fore front in inculcating ethical and moral values among the students. One of the ethos of KITS is to sensitize the students and employees about the constitutional rights, duties, values and obligations of Indian citizens.

A copy of the preamble of our constitution is proudly displayed in the lobby of main academic building. Institute takes various measures to develop citizens with a high level of competence and deep sense of the ethics and commitment to the code of professional conduct and social behavior.

#### **Issues related to rights, duties, and responsibilities are sensitized through various actives like:-**

- Constitution of India, Human Values and professional ethics are mandatory subjects. Apart from classroom teaching, institute organizes several programs under the aegis of NCC, NSS and SAC.
- Constitution Day, Voters' Day, Road safety week, International Human Rights Day, Women's Day, Teachers' Day, Engineers' Day are celebrated every year enthusiastically.
- 2K/ 5K (marathon) Runs are organized for noble causes like Save the Girl child, Save earth, etc.
- Employees and students of the institute actively participate in Blood Donation camps, and Haritha Haram conducted by the Institute regularly.
- During the General and Assembly elections, many students actively participate and support Government polling authorities regarding the usage of EVMs to the uneducated and also assist the polling officers at polling booths and received appreciations from the concerned authorities.
- NSS volunteers, during Covid-19 played a vital role in creating awareness about the pandemic and explained Dos and Don'ts to the uneducated rural people.
- Students have established Help the Helpless to extend help to the needy and deserving sectors of the society, Under the banner of this association, they conduct

#### **Several programs like:-**

- Donating clothes, food, almirahs etc. to orphanages, old age homes.
- Distribute books, school bags etc to nearby government schools.
- Conduct elocution and essay writing competitions to school children.

These programs create awareness among the students about their responsibility towards the society as a conscious and valuable citizen of the country.

- Children of nearby schools are invited for a day during college fests. Simple games and quiz programmes are conducted for them, apart from taking them to visit art gallery, poster presentation halls, etc. to inculcate curiosity and create enthusiasm.
- Swach Bharath Abhiyaan is a country made campaign to eliminate open defecation and avoid usage of plastic etc, for a clean country. Students conduct awareness camps in the adopted villages of NSS unit of the institute.
- NSS students have campaigned for bringing awareness about unity in the fight against HIV.
- Students participate in the elocution and essay writing competitions on topics like Save earth,

importance of casting vote, etc., conducted by the district authorities, JNTUH etc, and won prizes several times.

- Institute Organizes Yoga sessions on International Yoga day and induction programs.
- Two employees of the institute are certified yoga gurus.
- During college fests and on International Environment Day, all the students and employees enthusiastically plant trees for a green campus.

File Description	Document
Link for details of activities that inculcate values necessary to render students in to responsible citizens	<a href="#">View Document</a>

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

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

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

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

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

**Response:**

Institute adheres to the values of cultivating patriotism, reverence to the leaders and practice of inculcating a sense of responsibility towards nation. National and International commemorative days, events and festivals are celebrated in the institute with great enthusiasm and fervour every year by students and employees.

#### **Republic Day and Independence Day**

Students and staff attend for flag hosting in large number on these two National festivals. Flag hosting is followed by a grand parade by NCC cadets followed by address by the Principal, rendition of patriotic songs, elocutions, skits and dances promoting national consciousness, games competitions between staff and students are conducted as a part of these celebrations.

### **Engineers' Day**

Engineers' Day is celebrated on September 15th, marking the birthday of Sri Mokshagundam Vishveswarayya.

### **Teachers' Day**

Teachers' day is celebrated on birth anniversary of 2nd President of India Dr. Sarvepalli RadhaKrishna, Faculty and employees, who contributed to the college are felicitated every year.

### **Yoga Day**

International Day of Yoga is observed on 21st June to spread awareness about the importance of yoga and its positive effect on health.

### **Women's Day**

Women's day is celebrated in the college with all the girl students and lady faculty, Principal and Heads of the departments. Guest lectures are organized and success stories of famous women are shared.

### **Science Day**

Institute celebrates sciences day on 28th February every year. Popular science club organizes a lecture by an eminent guest on this day for all the students and staff.

### **Ambedkar Jayanthi**

Ambedkar Jayanthi is celebrated every year a day before 14th April. The employees and students of the institute assemble and pay homage to the architect of the Indian Constitution.

### **Abdul Kalam Birthday**

On 15th October rich tributes are paid by the staff and students to the missile man, A P J Abdul Kalam marking his birthday. Students and staff speak about the significant contributions made by him as an individual, as an eminent scientist and as President of India.

### **NCC**

NCC wing of the institute organizes programmes on commemorative days like Martyrs' day, Kargil Divas, etc

### **NSS**

NSS day is celebrated by the NSS unit of the institute on 24th September every year. Different programmes like Clean and Green, Poster Presentation, 2K walks, etc are conducted in the village of Singapuram.

### **P.V Narasimha Rao**

Institute pays rich tributes every year to the former Prime Minister of India, and father of Economic reforms in India, Late Sri P.V Narasimha Rao on his birthday 28th June, and death anniversary 23rd December, who belongs to Karimnagar District of the Telangana, where the institute is located. It is also practice of the institute to pay homage to the founder Chairman of the institute Late V Rajeshwar Rao, Rajya Sabha M.P and a freedom fighter. He is fondly remembered for extending engineering education to the remote rural area of Northern Telangana.

### **Regional Festivals**

Regional Festivals like Bathukamma, Bonalu and pongal (Kite festival) are celebrated to enable present generation students to be in touch with our rich traditions and customs.

File Description	Document
Link for Geotagged photographs of some of the events	<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:**

#### **Best Practice – I**

##### **Title of the Practice**

**Contribution to the rural community through Societal based projects and service motto activities.**

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

- To make the students understand that individuals' growth lies in societal growth and to inculcate the habit of giving back to the society
- To mould the character of the young minds towards understanding the societal problems.
- To give awareness to the students about the crucial role of individuals and institutes for a developed society
- To inculcate the service motto among the students and motivate them for playing their role towards solving rural problems through their projects and other activities.
- To make the institute well known for its students' contribution to the society.

## The Context

Young engineers play a vital role in solving the societal problems. This is possible by posing the real time challenges to the students and making them to think for the solutions. Engineering colleges can give awareness to the students about such societal problems and inspire students to put sincere efforts in solving them through their projects and also through their activities under different banners. There are many areas where society is facing challenges, especially in rural community a variety of issues needs to be addressed. Being located in rural area, the Institute strongly believes that every student should strive for impactful engineering solutions for better society, which moulds them into not only successful professionals but also responsible citizens.

## The Practice

It is a regular practice of the institute to motivate the students to make an attempt to solve the societal problems by taking up projects. The institute also focuses on producing responsible citizens, who will be in forefront in serving the society by their activities under NSS as well as students associations.

### Students of the Institute have been involved in:

- Visiting the neighboring villages and enquiring about the problems faced by them in day to day life.
- Enquiring about the challenges faced by the rural community in their main profession i.e, farming.
- Making sincere efforts to solve the problems noticed by them through their projects.
- Extending service activities in like haritha haram in adopted villages and other rural community.
- Creating awareness about the ill effects of usage of plastic in the villages.
- Organizing programs on themes like road safety,
- Educating the villagers about the COVID norms.
- Participating in Swachh Bharth programs in surrounding villages.
- Explaining the causes and affects of atmospheric pollution and educating the rural people.
- Educating the rural community about their rights like right to vote.
- Educating the rural youth in the area of self employment.

## Evidence of Success

This best practice of the institute resulted in many societal based projects from students of different branches of engineering. It also motivated to take up a variety of service based programs in the neighboring rural community.

Many of the projects developed by the students got appreciations by the local community. Few of them got appreciations from the end users and few more got prizes in project competitions organized at various places. These projects got wide publicity and appreciations by the print and electronic media for the sincere efforts made by the young engineering students for a noble cause. Few of such innovative projects were also published by the reputed journals. The following table illustrates, sample societal based projects taken up by the students as a part of their sincere efforts to address the challenges.



S.No.	A.Y.	Name of the project	Societal problem addressed	Remarks  (Appreciations/ Prizeswon/Covered in media)
1	2016-17	Telephone ringing LED Flasher circuit	Persons working in Pranahith Chevella sujala sravathi link-IV Package 10 were unable to here the phone ring due to noise pollution in the work environment.	The circuit developed by the students solved the problem.  <b>This project got both appreciation letter and cash award.</b>
2	2017-18	Automation of Zilla Parishath High School Gouravelli	Lot of inconvenience was there.	<b>Appreciation from Government of Telangana.</b>
3	2018-19	Paddy filling machine	Formers were facing the problem of filling the bags with paddy by manual efforts. It used to consume lot of time and effort.	The machine developed by the students was a low cost and easy to operate. This machine saves both time and effort. <b>It was very much appreciated by the farmers.</b>

Similarly, the following table reveals the sample data of contribution made by the students for the society through their service motto activities.

S.No.	A.Y.	Name of the activity	Societal problem addressed	Impact
1.	2016-17	Awareness Program by NSS on Digital Payments	To make rural people aware about digital Payments	People who are not aware about the digital payments got educated
2.	2017-18	Swachh Bharat program by NSS at Ippanapally Village	Lack of cleanliness and tidiness	Drainages and roads were cleaned.
3.	2018-19	Awareness program for WOMEN by NSS at Ippanapally Village	Girl Child Education,  Lack of Knowledge about usage of sanitary Napkins etc	Village Women got awareness about importance of education for girl children and usage of sanitary napkins.
4.	2019-20	COVID-19 awareness Program by NSS	Fight against COVID Pandemic	Students promoted the safety measures to be taken at the quarantine
5.	2020-21	Vaccination Drive by NSS	Fight against COVID Pandemic	Vaccination is the only way to fight this deadly pandemic.  Nearby Village people, Staff and Employees Got

**Problems Encountered and Resources Required.****Problems Encountered:**

- Creating awareness among students, motivating them towards societal problems was a challenge as it was away from the youngsters' general preferences.
- Identifying problems which can be addressed by the students with in their limited resources was another practical difficulty.
- In few cases understanding the problem may take more time and hence time constraint will be there to complete the project within the academic schedule.
- In spite of the above problems, the institute succeeded in motivating the students and many useful projects were developed and the institute extended its service to the society through its activities.

**Resources Required:**

- Such projects can be successful if reputed organizations contribute funds under their corporate social responsibility.
- Projects with complicated fabrications require skilled technicians/manpower.

**Notes:**

- Management has a strong vision of nurturing students who are not only technically competitive but also with strong ethical values. The students are constantly encouraged to involve themselves into various societal activities and contribute to the society as a responsible citizen.

**Best Practice – II****Title of the Practice**

Converting rural talent in to globally employable professionals through effective pedagogical initiatives and training programs

**Objectives of the Practice:**

- To encourage the first generation students to take up engineering as their career.
- To identify the strengths and weaknesses of students and counsel them at every stage of their course.
- To train the students to face real times challenges and make them industry ready.
- To adopt effective pedagogical initiatives for quality teaching learning experience.
- To inculcate professional ethics among the students along with academic excellence.
- To mould the students as experts in diversified fields.
- To motivate the students to up skill themselves to reach professional heights.
- To make the students strong in practical knowledge along with theoretical approach.

**The Context**

The institute is located in a rural environment and majority of the students are first generation literates in

their family. It is a proven fact that with proper guidance and motivation rural talent can be converted in to successful individuals. The institute strongly believes this fact and is putting all possible efforts to identify the hidden talent of the rural youth and nurture them in all aspects to become globally employable professionals. Institute focuses on providing quality teaching –learning environment blended with efficient counseling and effective training to realize this goal. The institute also inculcates the concepts of professional ethics and lifelong learning to excel in their career.

### **The Practice**

The institute implements effective counseling system from first year itself and the learning levels of the student will be evaluated. Measures will be taken separately for advanced and slow learners. Institute adopts effective pedagogical initiatives and other training methodologies to mould the student in to all round personality and make them employable.

### **The Institute adopts the following strategies for achieving the results:**

- Adapting ICT enabled teaching for better understanding.
- Implementing Flipped class room and blended learning concepts.
- Implementing Learning by doing, collaborative learning and group learning approaches.
- Efficient counseling method to motivate the students and make them to realize their dreams.
- Enhancing the communication skills by language labs and group discussions.
- Effective training programs to enhance soft skills.
- Involving students in organizing various events to improve their leadership qualities.
- Arranging industrial visits to know the latest trends in industries.
- Motivating students to do internships to get exposure to real time environment.
- Organizing guest lecture to fill the curricular gaps.
- Organizing workshops on latest topics for updating knowledge.
- Involving students in various extension activities and inculcating the thought process of social responsibility.
- Assessing the employability of students and providing additional inputs.
- Training the students in collaboration with Telangana Academy for Skill and Knowledge (TASK) and other agencies.
- Interactive sessions by eminent persons from organizations like Tata Consultancy Services (TCS)
- Involving alumni in training the students and boosting their morale.

### **Evidence of Success**

This best practice of the institute yielded good results and many of the students passed out from the institute proved themselves in the global competition. As a result of effective implementation of the above strategies the students are getting better employment opportunities and especially in case of alumni, their work experience blended with qualities acquired by them during course work are helping them to perform well in their professions and becoming globally employable in the ladder of their careers. These strategies also helped the students in molding themselves with holistic development and the alumni of the institute are excelling a variety of diversified fields. The following table illustrates the evidence of success of the practice by way of **listing a few of the many notable alumni** in diversified fields.

S.No.	Name of the Alumni	Batch and Branch	Designation	Organization
1.	H.Madhukar	1997-2001 (ECE)	Scientist-H	Research Centre,Imarath(RCI) DRDO, Hyderabad
2	R. Jeevan	1997-2001 (CSE)	Director of Engineering	SAVIYNT, California, USA
3.	G. Rajith Kumar	1998-2002 (EEE)	Dy. General Manager	NTPC, Ramagundam
4.	P. Srinivas Reddy	2003-2007 (ME)	Sr.Manager	MIDHANI, Hyderabad
5.	Ajay Joshi	2007-2011 (ME)	Head, R&D	HSIL Limited, AGI Glasspac Hyderabad

### Problems Encountered and Resources Required.

#### Problems Encountered:

- Assessing the students perfectly and counseling them accordingly.
- Selecting and implementing the pedagogical approach compatible for students with different learning levels.
- Motivating the students towards extension activities without disturbing academic schedule.
- Training the slow learners and enhancing their employability.
- Tight schedule of the alumni who are willing to train the students.
- In spite of the above problems, the institute succeeded in molding the rural youth into successful professionals.

#### Resources Required:

- Committed staff members who are willing update themselves and train the students in all aspects.
- Expert trainers who can mold the students into prosperous candidate for employment.
- Alumni who can spare their time to boost the confidence among the aspirants by personal interaction.

File Description	Document
Link for Best practices in the Institutional web site	<a href="#">View Document</a>
Link for 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:

Kamala Institute of Technology & Science was established in the village of Singapur with a philanthropic vision of making value-based quality technical education accessible to the rural community and to make the rural youth technically competitive, globally employable and ethically strong.

To realize the vision, the institute has focused on maintaining distinctiveness in many aspects.

- **Innovative Teaching-learning methods.**
- **Strong Industry-Institute Interaction.**
- **Innovation and Entrepreneurship.**
- **Focus on practical knowledge in addition to theoretical concepts.**
- **MOOCS and other certification courses**
- **Green initiatives and Environment sustainability.**
- **NCC wing for both boys and girls.**
- **Faculty Retention and encouragement for upgradation of qualification.**
- **Excellent bond between alumni and alma matter.**
- **Staff quarters.**
- **Help helpless and Unnath Bharath Abhiyan(UBA)**
- **Accreditation by Software giant Tata Consultancy Services (TCS)**

#### Innovative Teaching-learning methods:

The institute focuses on innovative teaching-learning methods to impart quality technical education and make the students competitive in the global market. Faculty members adopt **ICT based methods** in addition to routine chalk and talk method. They use **models and charts** wherever necessary. Most of the **lectures are interactive in nature** and the students will be assessed continuously by way of assignments and internal examinations. It is a regular practice to involve the students in **group learning** and **project based learning, flipped classroom** environment. Faculty create **Google classrooms** are created by faculty where students can access the learning material and also assignments. Few of the faculties have created their own **youtube videos** in their concerned subjects. Faculty have used platforms like **Google meet** to conduct online classes.

#### Strong Industry-Institute Interaction:

The institute lays thrust on strong Industry-Institute interaction by means of **MoUs**. Students are given opportunity to get real time exposure by way of **Internships, Industry visits, Mini Projects and Major Projects** and also **guest lectures** by experts from different industries. During COVID-19 pandemic, students have undergone online internships. Few departments even conducted programs in association with these organizations.

### **Innovation and Entrepreneurship:**

The institute gives utmost importance to innovation and entrepreneurship. **Institute Innovation Council (IIC)** is organizing internal hackathons and encouraging students to participate in external hackathons, as a result of this few students represented the institute at National level. **Entrepreneurship Development Cell (EDC)** of the institute is motivating the young engineering graduates to choose entrepreneurship as their career by organizing workshops and **guest lectures by alumni entrepreneurs**. The institute has also formed a **National Innovation and Startup Policy (NISP) committee** to encourage the students to participate in idea presentation contests on startup. Alumni of the institute have **started firms both in India and abroad**.

### **Focus on practical knowledge in addition to theoretical concepts.**

The institute strongly believes that for professional practical knowledge is crucial to excel in their career. To fulfill this goal all the **laboratories are well equipped as per curriculum** of the affiliating University and in few laboratories **equipment is available even beyond curriculum**. Students will be given **hands on experience on every experiment** and are asked to record observations before calculations (where ever applicable) and write the lab record book.

### **MOOCS and other certification courses:**

The institute encourages faculty and students to upgrade themselves by registering for courses offered by NPTEL/Course era and other certification programs. In the last five years a good number of faculty and students registered in various courses.

### **Green initiatives and Environment sustainability:**

Institute follows the practices which are eco-friendly for sustenance of environment. **Carbon conscious club** organizes programs to create awareness about the environmental pollution. It is a regular practice to take up **Haritha Haram and Swach Bharth** programs both **within and outside the campus**.

The institute gives top priority for non conventional sources of energy and installed **two roof top solar generation 200 KWp capacity** plants. **Recharge pits** on the campus avoids water crisis even during peak summer.

### **NCC wing for both boys and girls:**

KITS is **one of the very few engineering colleges in the state having NCC unit with a100 cadet strength for both girls and boys** with a full time Captain rank professor as NCC officer. One NCC cadet visited **Russia under Youth Exchange Program**. He is **one among the100 cadets selected from the entire country**.

### **Faculty Retention and encouragement for upgradation of qualification:**

The institute strongly believes that the growth of the faculty is important for the growth of the institution. It is the policy of the institute to encourage the faculty for upgrading themselves after joining the institute. As a result of this **many of the faculty members pursued their PG and Ph.D in service**. **Few of them acquired even both the degrees after joining the service**.

Another distinctiveness of the institute is very good retention of the faculty. **There are few staff members in the institute who are working since the inception of the institution** (i.e 25 years). Many others are having **around 15 years experience** in this institute. **The average experience of the institute itself is around 12 years**, which is reflecting the effectiveness of policies.

#### **Excellent bond between alumni and alma matter:**

The institute is well known for its affectionate bonding between the alumni and alma matter. Alumni regularly **visit the institute and interact with students and guide them** in all aspects. **Alumni of the institute contributed around Rs.7, 80, 000/- during the last five years.**

#### **Staff quarters:**

This can be claimed as another distinctiveness of the institute. At Kamala Institute of Technology & Science, **staff quarters are provided for both teaching and non-teaching faculty.**

#### **Help helpless and Unnath Bharath Abhiyan(UBA):**

The institute is always in forefront in extending the help to the needy people. Under the banner of **Help helpless** students visit **orphanages and old age homes** and render their services.

The institute got selected under the central government's scheme **Unnath Bharath Abhiyan (UBA)** and **adopted five villages.**

#### **Accreditation by Software giant Tata Consultancy Services (TCS):**

The institute is one among the very few engineering colleges accredited by TCS, by which not only students get placement opportunities but also training by TCS.

File Description	Document
Link for appropriate web in the Institutional website	<a href="#">View Document</a>
Link for any other relevant information	<a href="#">View Document</a>

## 5. CONCLUSION

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### Additional Information :

- Accredited by Tata Consultancy Services (TCS).
- An associate of Telangana Academy for Skill and Knowledge (TASK), a Telangana Government initiative that aims at providing subsidized training to students for skill development. Training programs like Cisco certification, C-DAC, Business English Certification (BEC), Sales Force etc. are held through TASK.
- Continuous training is extended to the students by in-house faculty and also from external agencies like AbhyasEducorp, TASK, Triumphant Solutions, Trilogic soft solutions etc.
- The students are nurtured in life skills.
- Placement track record of the institute exceptionally good, leading in this region with more than 50% of the students getting placed in companies like TCS, Infosys, Capgemini, Wipro, TechMahindra, Medha Servo Drives, Mphasis, DXC, CtrlS, Syntel etc.
- Two state level awards from TASK for best performing institute.
- Established Organizes Hackathons, idea competition, mini-challenges etc. to motivate the students for start-ups.
- The students are encouraged to do their mini projects and internships in reputed organizations like ECIL, BHEL, NTPC etc.
- One of our EEE student Mr. Y.Srujan Reddy(1916-20) bagged gold medal for topping in the EEE branch among all the 170+ Affiliating colleges of JNTUH, Hyderabad.
- Effective mentoring is the strength of the institute.
- Two generators of 200KVA and 75 KVA support power backup.
- Health care center with a Doctor, medical attendant and ambulance for medical exigencies.
- BT Road connects all parts of the campus.
- Portable fire extinguishers and hose reels are made available in noticeable areas to bail out in case of fire accidents.
- A techno-cultural-sports fest “KITSOZEN” is organized every alternate year.
- As the Institute enters its 25th year of inception 2022 has been declared as silver jubilee year and celebrations have been kick-started.

### Concluding Remarks :

- KITS Singapur firmly believes in service to society through education.
- It facilitates students from rural regions to access quality technical education through student-centric teaching learning practices.
- The college strives to fulfill its vision of imparting transformative education for the empowerment of young men and women and promotion of a more just and humane society.
- The College recognizes the significance of promoting a research environment amongst staff and students and encourages them.
- The initiatives undertaken by the institute help the students in developing the transferable skills needed for a vocation in engineering.
- The College has Energy and Environment Policies to protect and conserve ecological systems and resources within the campus.
- The visionary management has made far-reaching efforts to pool resources, attract employees to this



work environment and help them in shaping graduates from this institute into conscientious engineering professionals and responsible citizens.

- In keeping with its goal of imparting education that focuses on all round integrated development of our students, KITS encourages and facilitates active participation in sports by our students.
- Over a period, because of its educational services, the institute has evolved into a highly regarded destination for engineering education in this region.
- Numerous renowned companies visit the College annually and a large number of our students find placements with them.
- Our alumni, who are successfully placed across various states and nations, are the campaigners of the institute.
- NBA accreditation for three branches is a big sign of improvement of quality education imparting to the students joining the institution.
- The NAAC accreditation process would provide us an immense scope for continuation of this noble service.
- The feedback and suggestions we receive would certainly help us refine our best practices and achieve distinction and wish to upgrade the institute into a center for higher education and quality research.

## 6.ANNEXURE

### 1.Metrics Level Deviations

Metric ID	Sub Questions and Answers before and after DVV Verification																				
1.1.3	<p><b>Teachers of the Institution participate in following activities related to curriculum development and assessment of the affiliating University and/are represented on the following academic bodies during the last five years</b></p> <ol style="list-style-type: none"> <li>1. Academic council/BoS of Affiliating university</li> <li>2. Setting of question papers for UG/PG programs</li> <li>3. Design and Development of Curriculum for Add on/ certificate/ Diploma Courses</li> <li>4. Assessment /evaluation process of the affiliating University</li> </ol> <p>Answer before DVV Verification : A. All of the above            Answer After DVV Verification: B. Any 3 of the above            Remark : BOS is not from affiliating university. Hence input edited accordingly.</p>																				
1.3.3	<p><b>Percentage of students undertaking project work/field work/ internships (Data for the latest completed academic year</b></p> <p>1.3.3.1. Number of students undertaking project work/field work / internships            Answer before DVV Verification : 852            Answer after DVV Verification: 1469</p>																				
3.1.1	<p><b>Grants received from Government and non-governmental agencies for research projects, endowments, Chairs in the institution during the last five years (INR in Lakhs)</b></p> <p>3.1.1.1. Total Grants from Government and non-governmental agencies for research projects , endowments, Chairs in the institution during the last five years (INR in Lakhs)            Answer before DVV Verification:</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>6.30</td> <td>0.40</td> <td>1.16</td> <td>0.28</td> <td>0.18</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>6.30</td> <td>0.40</td> <td>0.708</td> <td>0.25</td> <td>0.18</td> </tr> </tbody> </table> <p>Remark : Input edited as per HEI provided documents for clarification.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	6.30	0.40	1.16	0.28	0.18	2020-21	2019-20	2018-19	2017-18	2016-17	6.30	0.40	0.708	0.25	0.18
2020-21	2019-20	2018-19	2017-18	2016-17																	
6.30	0.40	1.16	0.28	0.18																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
6.30	0.40	0.708	0.25	0.18																	
3.1.2	<p><b>Percentage of teachers recognized as research guides (latest completed academic year)</b></p> <p>3.1.2.1. Number of teachers recognized as research guides            Answer before DVV Verification : 7            Answer after DVV Verification: 2</p>																				

Remark : As per HEI provided documents there are only 2 recognized as research guides for latest completed academic year.

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
4	5	7	14	14

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
1	7	5	14	14

Remark : Input edited as per HEI given reports for clarification.

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

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

Answer before DVV Verification : 11

Answer after DVV Verification: 11

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

Answer before DVV Verification : 8

Answer after DVV Verification: 4

Remark : Input edited as per the teachers recognized as guides during the last five years.

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
55	42	68	105	123

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
19	17	22	21	20

Remark : Input edited as per research papers in the Journals notified on UGC website

3.3.3	<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>3.3.3.1. Total number of books and chapters in edited volumes/books published and papers in national/ international conference proceedings year-wise during last five years</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 389 1046 524"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>19</td> <td>102</td> <td>36</td> <td>42</td> <td>96</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 602 1046 736"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>9</td> <td>81</td> <td>34</td> <td>40</td> <td>94</td> </tr> </tbody> </table> <p>Remark : Input edited as per data given for clarification.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	19	102	36	42	96	2020-21	2019-20	2018-19	2017-18	2016-17	9	81	34	40	94
2020-21	2019-20	2018-19	2017-18	2016-17																	
19	102	36	42	96																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
9	81	34	40	94																	
3.4.2	<p><b>Number of awards and recognitions received for extension activities from government/ government recognised bodies during the last five years</b></p> <p><b>3.4.2.1. Total number of awards and recognition received for extension activities from Government/ Government recognised bodies year-wise during the last five years.</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1173 1046 1308"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>7</td> <td>9</td> <td>10</td> <td>7</td> </tr> </tbody> </table> <p>Answer After DVV Verification :</p> <table border="1" data-bbox="306 1386 1046 1520"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>00</td> <td>00</td> <td>00</td> <td>00</td> <td>0</td> </tr> </tbody> </table> <p>Remark : As there is no awards to institution input edited accordingly.</p>	2020-21	2019-20	2018-19	2017-18	2016-17	10	7	9	10	7	2020-21	2019-20	2018-19	2017-18	2016-17	00	00	00	00	0
2020-21	2019-20	2018-19	2017-18	2016-17																	
10	7	9	10	7																	
2020-21	2019-20	2018-19	2017-18	2016-17																	
00	00	00	00	0																	
4.1.4	<p><b>Average percentage of expenditure, excluding salary for infrastructure augmentation during last five years(INR in Lakhs)</b></p> <p><b>4.1.4.1. Expenditure for infrastructure augmentation, excluding salary year-wise during last five years (INR in lakhs)</b></p> <p>Answer before DVV Verification:</p> <table border="1" data-bbox="306 1879 1046 2013"> <thead> <tr> <th>2020-21</th> <th>2019-20</th> <th>2018-19</th> <th>2017-18</th> <th>2016-17</th> </tr> </thead> <tbody> <tr> <td>149.61</td> <td>171.13</td> <td>170.62</td> <td>144.58</td> <td>199.48</td> </tr> </tbody> </table>	2020-21	2019-20	2018-19	2017-18	2016-17	149.61	171.13	170.62	144.58	199.48										
2020-21	2019-20	2018-19	2017-18	2016-17																	
149.61	171.13	170.62	144.58	199.48																	

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
23.19	21.01	43.86	29.26	32.91

Remark : Input edited as per the infrastructure augmentation during last five years(INR in Lakhs).

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

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

Answer before DVV Verification : 410

Answer after DVV Verification: 138

Remark : As HEI provided input edited from 5 days data. There are 1064 students and 318 teachers. So average of them are 138.

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

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)**

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
145.44	225.98	252.28	180.24	142.31

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
48.68	62.40	54.13	39.54	20.615

Remark : Input edited as per the facilities which comes under physical facilities and academic support facilities), is given by HEI.

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

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

Answer before DVV Verification:

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

28	53	38	32	23
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Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
24	45	32	24	20

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
31	55	41	35	26

Answer After DVV Verification :

2020-21	2019-20	2018-19	2017-18	2016-17
31	55	41	35	26

Remark : Input edited as per HEI provided certificates of qualifying students.

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

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

Answer before DVV Verification:

2020-21	2019-20	2018-19	2017-18	2016-17
100	0	0	0	0

Answer After DVV Verification :

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

Remark : This metric is opted out.

## 2.Extended Profile Deviations

ID	Extended Questions
1.3	<p><b>Number of Computers</b></p> <p>Answer before DVV Verification : 716</p> <p>Answer after DVV Verification : 410</p>