Annual Quality Assurance Report (AQAR) of Civil Engineering Branch of TKRCET for the Year 2019-20

Part-B

CRITERION I – CURRICULAR ASPECTS

1.1 Curriculum Design and Development

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

Name of programme	Programme Code	Dates of revision
Civil	1	31/01/2019

1.1.2 Programmes/ courses focussed on employability/ entrepreneurship/ skill development during the Academic year

Programme with Code	Date of Introduction	Course with Code	Date of Introduction
NIL	NIL	NIL	NIL

1.2 Academic Flexibility

1.2.1 New programmes/courses introduced during the Academic year

Programme/Course	Date of introduction
Nil	

1.2.2 Programmes in which Choice Based Credit System (CBCS)/Elective Course System implemented at the College level during the Academic year.

Name of Programmes adopting CBCS	UG	PG	Date of implementation of CBCS / Elective Course System	UG	PG
Already adopted (mention the year) NIL					

1.3 Curriculum Enrichment

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

Value added courses	Date of introduction	Number of students enrolled
NIL	NIL	NIL

1.3.2 Field Projects / Internships under taken during the year- 2019-2020

Project/Programme Title	No. of students enrolled for Field Projects / Internships
Mini projects	127

1.4 Feedback System

1.4.1 Whether structured feedback received from all the stakeholders.

1) Students	2) Teachers	3) Employers	4) Alumni	5)Parents
Yes	Yes	No	Yes	Yes

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

To obtain the Alumni feedback, a questionaire is floated among the stake holders. The responses are analysed on the basis of different parameters which helps to implement quality policy at institute level.

CRITERION II -TEACHING-LEARNING AND EVALUATION

2.1 Student Enrolment and Profile]

2.1. 1 Demand Ratio during the year 2019-20

Name of the Programme	Number of seats available	Number of applications received	Students Enrolled
Civil	84	77	89

2.2 Catering to Student Diversity

2.2.1. Student - Full time teacher ratio (current year data)2019-20

Year	Number of students enrolled in the institution (UG)	Number of students enrolled in the institution (PG)	Number of full time teachers available in the institution teaching only UG courses	Number of full time teachers available in the institution teaching only PG courses	Number of teachers teaching both UG and PG courses
II	125	Nil	20	Nil	Nil
III	127	Nil	20	Nil	Nil
IV	1	Nil	20	Nil	Nil

2.3 Teaching - Learning Process

2.3.1 Percentage of teachers using ICT for effective teaching with Learning Management Systems (LMS), E-learning resources etc. (current year data)

Number of teachers on roll	Number of teachers using ICT *(LMS, e-Resources)*	ICT tools and resources available	Number of ICT enabled classrooms	Number of smart classrooms	E-resources and techniques used
25	5	Projector	01	NIL	YES

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

To help undergraduate fresh students understand the challenges and opportunities present in the Institute and develop a smooth transition to campus life.

To counsel academically weak undergraduate first year students and to play an important role in helping troubled students cope with academic, extra-academic and personal problems.

To provide positive role models to first year undergraduate students in the institute.

Number of students enrolled in the institution	Number of fulltime teachers	Mentor: Mentee Ratio
132	20	1:20
125	20	1:20
127	20	1:20
1	20	1:20
Total = 385	20	1:20

2.4 Teacher Profile and Quality

2.4.1 Number of full time teachers appointed during the year 2019-2020

No. of sanctioned positions	No. of filled positions	Vacant positions	Positions filled during the current year	No. of faculty with Ph.D
10	10	06	10	01

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

Year of award	Name of full time teachers receiving awards from state level, national level, international level	Designation	Name of the award, fellowship, received from Government or recognized bodies
2019	KVR Satya sai	Associate Professor	NPTEL online certification
2020	Dr.A.Rajarajeswari	ASSOC. PROF	NPTEL online certification

2.5 Evaluation Process and Reforms

2.5.1 Number of days from the date of semester-end/ year- end examination till the declaration of results during the year

Programme Name	Programme Code	Semester/ year	Last date of the last semester-end/ year-end examination	Date of declaration of results of semester-end/ year- end examination
NIL				

2.5.2 Average percentage of Student complaints/grievances about evaluation against total number appeared in the examinations during the year

Do not include re-evaluation/ re-totalling

Number of complaints or grievances about evaluation	Total number of students appeared in the examination	Percentage
NIL		

2.6 Student Performance and Learning Outcomes

2.6.1 Program outcomes, program specific outcomes and course outcomes
for all programs offered by the institution are stated and displayed in website of the institution
(to provide the weblink)

http://tkrcet.ac.in/

2.6.2 Pass percentage of students 2019-2020

Programme Code	Programme name	Number of students appeared in the final year examination	Number of students passed in final Semester /year examination	Pass Percentage
1	CIVIL	1	Nil	-

2.7 Student Satisfaction Survey

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

CRITERION III – RESEARCH, INNOVATIONS AND EXTENSION

3.1 Promotion of Research and Facilities

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

No   if yes give details

Name of the teacher getting seed money	The amount of seed money	Year of receiving grant	Duration of the grant

3.1.2 Teachers awarded National/International fellowship for advanced studies/ research during the year

	Name of the teacher awarded the fellowship	Name of the Award	Date of Award	Awarding Agency
National	NIL			
International				

3.2 Resource Mobilization for Research

3.2.1 Research funds sanctioned and received from various agencies, industry and other organisations

Nature of the Project	Duration	Name of the funding Agency	Total grant sanctioned	Amount received during the year
Major projects	NIL	NIL	NIL	NIL
Minor Projects	NIL	NIL	NIL	NIL
Interdisciplinary Projects	NIL	NIL	NIL	NIL
Industry sponsored Projects	NIL	NIL	NIL	NIL
Projects sponsored by the University/ College	NIL	NIL	NIL	NIL
Students Research Projects *(other than compulsory by the College)*	NIL	NIL	NIL	NIL
International Projects	NIL	NIL	NIL	NIL
Any other(Specify)	NIL	NIL	NIL	NIL
Total	NIL	NIL	NIL	NIL

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

<div align="center">NIL</div>

3.3 Innovation Ecosystem

3.3.1 Workshops/Seminars Conducted on Intellectual Property Rights **(IPR)** and Industry-Academia Innovative practices during the year

Title of Workshop/Seminar	Name of the Dept.	Date(s)
NIL		

3.3.2 Awards for Innovation won by Institution/Teachers/Research scholars/Students during the year

Title of the innovation	Name of the Awardee	Awarding Agency	Date of Award	Category
NIL				

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

Incubation Centre	Name	Sponsored by
NIL		

Name of the Start-up	Nature of Start-up	Date of commencement
NIL		

3.4 Research Publications and Awards

3.4.1 Ph. Ds awarded during the year

Name of the Department	No. of Ph. Ds Awarded
CIVIL	NIL

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

	Department	No. of Publication	Average Impact Factor, if any
	CIVIL		
International		7 - (2019-2020)	
National		0- (2019-2020)	

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

Department	No. of publication
NIL	NIL

3.4.4 Patents published/awarded during the year

Patent Details	Patent status Published/ Filed	Patent Number	Date of Award
NIL			

3.4.5 Bibliometrics of the publications during the last Academic year based on average citation index in Scopus/ Web of Science or Pub Med/ Indian Citation Index

Title of the paper	Name of the author	Title of the journal	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication	Number of citations excluding self citations
NIL						

3.4.6 h-index of the Institutional Publications during the year. (based on Scopus/ Web of science)

Title of the paper	Name of the author	Title of the journal	Year of publication	h-index	Number of citations excluding self citations	Institutional affiliation as mentioned in the publication

International Journal of Civil Engineering and Technology	Dr.R.Prem sudha	Iogas production comparison of vegetable waste and fruit waste from coimbatore city market codigested with water hyacinth	2019	0	SCOPUS	TKR College of Engineering & Technology

3.4.7 Faculty participation in Seminars/Conferences and Symposia during the year :2019 – 2020

No. of Faculty Attended	International level	National level	State level	Local level
Seminars Workshops Conference	NIL	2(2019-2020)	NIL	NIL
Presented papers	NIL	NIL	NIL	NIL

3.5 Consultancy

3.5.1 Revenue generated from Consultancy during the year

Name of the Consultant(s) department	Name of Consultancy project	Consulting/Sponsoring Agency	Revenue generated (amount in rupees)
NIL	NIL	NIL	NIL

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

Name of the Consultant(s) & Department	Title of the Programme	Agency seeking training	Revenue generated (amount in rupees)	Number of trainees
NIL	NIL	NIL	NIL	NIL

3.6 Extension Activities

3.6.1 Number of extension and outreach programmes conducted in collaboration with industry, community and Non- Government Organisations through NSS/NCC/Red cross/Youth Red Cross (YRC) etc., during the year

Title of the Activities	Organising unit/ agency/ collaborating agency	Number of teachers **co-ordinated** in such activities	Number of students participated in such activities
NIL	NIL	NIL	NIL

3.6.2 Awards and recognition received for extension activities from Government and other recognized bodies during the year

Name of the Activity	Award/recognition	Awarding bodies	No. of Students benefited
NIL	NIL	NIL	NIL

3.6.3 Students participating in extension activities with Government Organisations, Non-Government Organisations and programmes such as Swatch Bharat, Aids Awareness, Gender Issue, etc. during the year

Name of the scheme	Organising unit/ agency/ collaborating agency	Name of the activity	Number of teachers **co-ordinated** such activities	Number of students participated in such activities
NIL	NIL	NIL	NIL	NIL

3.7 Collaborations

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

Nature of Activity	Participant	Source of financial support	Duration
NIL	NIL	NIL	NIL

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

Nature of linkage	Title of the linkage	Name of the partnering institution/ industry /research lab with contact details	Duration (From-To)	participant
NIL				

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

Organisation	Date of MoU signed	Purpose and Activities	Number of students/teachers participated under MoUs
NIL	NIL	NIL	NIL

CRITERION IV – INFRASTRUCTURE AND LEARNING RESOURCES

4.1 Physical Facilities

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

Budget allocated for infrastructure augmentation	Budget utilized for infrastructure development

4.1.2 Details of augmentation in infrastructure facilities during the year

Facilities	Existing	Newly added
Campus area	10 Acres	--
Class rooms	72	12
Laboratories	71	5
Seminar Halls	6	0
Classrooms with LCD facilities	-NIL-	-NIL-
Classrooms with Wi-Fi/ LAN	-NIL-	-NIL-
Seminar halls with ICT facilities		
Video Centre	-NIL-	-NIL-
No. of important equipments purchased (≥ 1-0 lakh) during the current year.		
Value of the equipment purchased during the year (Rs. in Lakhs)		
Others		

4.2 Library as a Learning Resource

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

Name of the ILMS software	Nature of automation (fully or partially)	Version	Year of automation
NEWGENLIB	Partially	3.2	2019

4.2.1 Library Services:

	Existing		Newly added		Total	
	No.	Value	No.	Value	No.	Value
Text Books	42,337	1,28,51.1	131	66,042		
Reference Books	29850	89,55200	-	-		
e-Books	3,335	-	-	-		
Journals	153	2,05052	-	-		
e-Journals	220	5,34664	-	-		
Digital Database	01	5,900	-	-		
CD & Video	6154	-	-	-		
Library automation	-	38,500		14,160		
Weeding (Hard & Soft)	6,125					
Others (specify)						

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

Name of the	Name of the module	Platform on which	Date of launching e –

teacher			module is developed	content
NIL				

4.3 IT Infrastructure

4.3.1 Technology Upgradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Available band width (MGBPS)	Others
Existing	60	01	Yes				Civil	100	
Added	NIL								
Total	60								

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

100 MBPS /GBPS

4.3.3 Facility for e-content

Name of the e-content development facility	Provide the link of the videos and media centre and recording facility

4.4 Maintenance of Campus Infrastructure

4.4.1 Expenditure incurred on maintenance of physical facilities and academic support facilities, excluding salary component, during the year

Assigned budget on academic facilities	Expenditure incurred on maintenance of academic facilities	Assigned budget on physical facilities	Expenditure incurred on maintenance of physical facilities

4.4.2 Procedures and policies for maintaining and utilizing physical, academic and support facilities - laboratory, library, sports complex, computers, classrooms etc. (maximum 500 words)   (information to be available in institutional Website)

CRITERION V - STUDENT SUPPORT AND PROGRESSION

5.1 Student Support

5.1.1 Scholarships and Financial Support

	Name /Title of the scheme	Number of students	Amount in Rupees
Financial support from institution	NIL	NIL	NIL
Financial support from other sources			
a) National	NIL	NIL	NIL
b) International	NIL	NIL	NIL

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

Name of the capability	Date of	Number of students	Agencies involved

enhancement scheme	implementation	enrolled	

5.1.3 Students benefited by guidance for competitive examinations and career counselling offered by the institution during the year

Year	Name of the scheme	Number of benefited students by Guidance for Competitive examination	Number of benefited students by Career Counselling activities	Number of students who have passed in the competitive exam	Number of students placed
NIL					

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

Total grievances received	No. of grievances redressed	Average number of days for grievance redressal

5.2 Student Progression

5.2.1 Details of campus placement during the year

On campus		Off Campus	
Name of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Students Placed
NIL			

5.2.2 Student progression to higher education in percentage during the year

Year	Number of students enrolling into higher education	Programme graduated from	Department graduated from	Name of institution joined	Name of Programme admitted to
NIL					

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

Items	No. of Students selected/ qualifying	Registration number/roll number for the exam
NET		
SET		
SLET		
GATE		
GMAT		
CAT		
GRE		
TOFEL		
Civil Services		
State Government Services		
Any Other		

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

Activity	Level	Participants

5.3 Student Participation and Activities

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

Year	Name of the award/ medal	National/ International	Sports	Cultural	Student ID number	Name of the student

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

5.3 Alumni Engagement

5.3.1 Whether the institution has registered Alumni Association? Yes/No, if yes give details (maximum 500 words): NIL

5.3.2 No. of registered Alumni: NIL

5.3.3 Alumni contribution during the year (in Rupees) **:**   NIL

5.3.4 Meetings/activities organized by Alumni Association **:** NIL

CRITERION VI –GOVERNANCE, LEADERSHIP AND MANAGEMENT

6.1 Institutional Vision and Leadership

6.1.1 Mention two practices of decentralization and participative management during the last year (maximum 500 words)

6.1.2 Does the institution have a Management Information System (MIS)?
 Yes/No/Partial:No

6.2 Strategy Development and Deployment

6.2.1 Quality improvement strategies adopted by the institution for each of the following (with in 100 words each):

- ❖ **Curriculum Development**
- ❖ **Teaching and Learning**
- ❖ **Examination and Evaluation**
- ❖ **Research and Development**
- ❖ **Library, ICT and Physical Infrastructure / Instrumentation**
- ❖ **Human Resource Management**
- ❖ **Industry Interaction / Collaboration**
- ❖ **Admission of Students**

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

- ❖ **Planning and Development**
- ❖ **Administration**
- ❖ **Finance and Accounts**

	❖	**Student Admission and Support**

	❖	**Examination**

6.3 Faculty Empowerment Strategies

6.3.1 Teachers provided with financial support to attend conferences / workshops and towards membership fee of professional bodies during the year

Year	Name of teacher	Name of conference/ workshop attended for which financial support provided	Name of the professional body for which membership fee is provided
	NIL	NIL	NIL

6.3.2 Number of professional development / administrative training programmes organized by the Colleges for teaching and non teaching staff during the year

Year	Title of the professional development programme organised for teaching staff	Title of the administrative training programme organised for non-teaching staff	Dates (from-to)
	NIL		

6.3.3 No. of teachers attending professional development programmes, viz., Orientation Programme, Refresher Course, Short Term Course, Faculty Development Programmes during the year

Title of the professional development programme	Number of teachers who attended
FDP ON PEDAGOGICAL TRAINING ORGANISED BY DEPARTMENT OF MECHANICAL ENGINEERING, TKR COLLEGE OF ENGINEERING AND TECHNOLOGY	02

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

Teaching		Non-teaching	
Permanent	Fulltime	Permanent	

6.3.5 Welfare schemes for
Teaching
Non teaching
Students

6.4 Financial Management and Resource Mobilization

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

6.4.2 Funds / Grants received from management, non-government bodies, individuals, philanthropies during the year(not covered in Criterion III)

Name of the non government funding agencies/ individuals	Funds/ Grants received in Rs.
NIL	

6.4.2 Total corpus fund generated

6.5 Internal Quality Assurance System

6.5.1 Whether Academic and Administrative Audit (AAA) has been done?		
Audit Type	External	
	Yes/No	Agency
Academic	No	
Administrative		
6.5.2 Activities and support from the Parent – Teacher Association (at least three)		
6.5.3 Development programmes for support staff (at least three)		
6.5.4 Post Accreditation initiative(s) (mention at least three)		

6.5.5

a. Submission of Data for AISHE portal   : Yes

b. Participation in NIRF   : Yes

c. ISO Certification   : No

d. NBA or any other quality audit   : No

6.5.6 Number of Quality Initiatives undertaken during the year		
Year	Name of quality initiative by IQAC	Date of conducting activity

CRITERION VII – INSTITUTIONAL VALUES AND BEST PRACTICES

7.1 - Institutional Values and Social Responsibilities

7.1.1 Gender Equity (Number of gender equity promotion programmes organized by the institution during the year)

Title of the programme	Period (from-to)	Participants	
		Female	Male

7.1.2 Environmental Consciousness and Sustainability/Alternate Energy initiatives such as:
Percentage of power requirement of the College met by the renewable energy sources

7.1.3 Differently abled (Divyangjan) friendliness

Items Facilities	Yes/No	No. of Beneficiaries
Physical facilities	Yes	
Provision for lift	Yes	
Ramp/ Rails	No	
Braille Software/facilities	No	
Rest Rooms	Yes	
Scribes for examination	No	
Special skill development for differently abled students	No	
Any other similar facility	Nil	

7.1.4 Inclusion and Situatedness

Enlist most important initiatives taken to address locational advantages and disadvantages during the year

Year	Number of initiatives to address locational advantages and disadvantages	Number of initiatives taken to engage with and contribute to local community	Date and duration of the initiative	Name of the initiative	Issues addressed	Number of participating students and staff

7.1.5 Human Values and Professional Ethics

Code of conduct (handbooks) for various stakeholders

Title	Date of Publication	Follow up (maximum 100 words each)

7.1.6 Activities conducted for promotion of universal Values and Ethics

Activity	Duration (from-------to-------)	Number of participants

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

7.2 Best Practices

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

7.3 Institutional Distinctiveness

Provide the details of the performance of the institution in one area distinctive to its vision, priority and thrust
Provide the weblink of the institution in not more than 500 words

8. **Future Plans of action for next academic year (500 words)**

Planning to revise the core structure of the existing syllabus.

Name _____   *Name _____*

_____   _____

Signature of the Coordinator, IQAC   *Signature of the Chairperson, IQAC*

_____***_____

For Communication with NAAC

The Director
National Assessment and Accreditation Council (NAAC)
(An Autonomous Institution of the University Grants Commission)
P.O. Box. No. 1075, Nagarbhavi
Bengaluru - 560 072
Phone : +91-80-2321 0261/62/63/64/65
Fax : +91-80-2321 0268, 2321 0270
E-mail : director.naac@gmail.com
Website : www.naac.gov.in