



# TEEGALA KRISHNA REDDY ENGINEERING COLLEGE

(Sponsored by TKR Educational Society, Approved by AICTE, Affiliated by JNTUH)

Medbowli, Meerpet, Saroornagar, Hyderabad – 500 097.

Phone: 040-24092838 Fax: +91-040-24092555

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## QUALITY INITIATIVES BY IQAC

### 2017-18 AY Programs conducted in Departments:

Name of quality initiative by IQAC	Date of conducting activity	Duration (from – to)	Number of participants
Orientation Program for The First Year B.Tech. Students	8/8/2017	One Day	All 1 <sup>st</sup> Years
Workshop on Telecommunication	5/9/2017	5/9/2017 To 7/9/2017	EEE Students
Home Automation With IoT using Raspberry Pi -Workshop	13/10/2017	13/10/2017 To 14/10/2017	ECE Students
APATHON-Workshop	3/11/2017	One Day	CSE Students
TKREC has organized program on to create awareness on the importance of education for the girl students	5/9/2018	One Day	350
Debate competition and student parliament . Topic: gender equality- challenges	12/1/2018	One Day	450
“SWAYAM”- student council has celebrated national youth day on the occasion of birthday of swamy viviekananda in which essay and elocution competitions were conducted.	12/1/2018	One Day	430
Aleap(Association of Lady Entrepreneurs of India)- Industry Visit	21/11/2017	One Day	MBA Students
Infosys-Industry Visit	19/1/2018	One Day	IT Students



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Techona Enterprises-Industry Visit	24/1/2018	One Day	EEE Students
Cancer Awareness-NSS	4/2/2018	One Day	All Students
Entrepreneurship Development-Seminar	24/2/ 2018	One Day	MBA Students
Webinar on Oracle-Seminar	26/2/2018	One Day	IT Students
Rein 4z-2k18-Technical Fest	27/2/2018	27/2/2018 To 28/2/2018	CIVIL Students
Workshop on PCB Design and Fabrication Workshop	26/2/2018	26/2/2018 To 27/2/2018	ECE Students
Eclips-Workshop	22/3/2018	One Day	CSE Students
Modern Food Enterprises Pvt Ltd-Industry Visit	27/3/2018	One Day	MBA Students
Building Information Modeling-Workshop	28/4/ 2018	One Day	CIVIL Students
IoT & Data Analytics With AI-Workshop	28/4/2018	28/4/2018 To 30/4/2018	CSE Students
Training and Induction Program-FDP	25/5/2018	One Day	All Faculty
Yoga Day Celebrations-NSS	21/6/2018	One Day	All Students & Staff
Awarness Programme on Anti-Drugs-Seminar	26/6/2018	One Day	All Students

## 2017-18 Gender equity promotion programs:

Title of the programme	Date and Duration (from-to)
INTERNATIONAL WOMEN'S DAY	8 <sup>th</sup> MARCH 2018 ONE DAY



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TKREC HAS ORGANIZED PROGRAM ON TO CREATE AWARENESS ON THE IMPORTANCE OF EDUCATION FOR THE GIRL STUDENTS	8 <sup>th</sup> MARCH 2018 ONE DAY
DEBATE COMPETITION AND STUDENT PARLIAMENT . TOPIC: GENDER EQUALITY-CHALLENGES	5 <sup>th</sup> SEPTEMBER 2018
“SWAYAM”- STUDENT COUNCIL HAS CELEBRATED NATIONAL YOUTH DAY ON THE OCCASION OF BIRTHDAY OF SWAMY VIVIEKANANDA IN WHICH ESSAY AND ELOCUTION COMPETITIONS WERE CONDUCTED.	12 <sup>th</sup> JAN 2018 ONE DAY
DANDIYA	29 <sup>th</sup> MARCH 2018 ONE DAY
TRADITIONAL DAY	2 <sup>nd</sup> MARCH 2018 ONE DAY
RANGOLI	11 <sup>th</sup> JAN 2018 ONE DAY
BATHUKAMMA	23 <sup>rd</sup> SEP 2017 ONE DAY

## 2017-18 AY IQAC initiated to conduct activities for promotion of universal values

Date and duration of the initiative	Name of the initiative	Issues addressed
23/08/2017, One Day	BLOOD DONATION CAMP	Blood Donation Camp is Organised in association with Durgabhai Deshmukh hospital and collected 118 samples
9/1/2018, One Day	SWACCH SURVEKSHAN 2K RUN	On account of Swachh Survekshan 2k run, a Swachh meerpet programme was organized
4/2/2018, One Day	CANCER AWARENESS	Cancer awareness walk was organized by Yashoda Hospitals
1/4/2018, One Day	FUND RAISING CAMP	Collected Fund to Help the Orphans
21/6/2018, 5am	INTERNATIONAL YOGA	TKRES Cricket Ground



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to 6.30 am	DAY	
26/6/18, Half Day	ANTI-DRUG AWARENESS PROGRAM	Rachakonda police Commissionerate & TKR group of Institutions conducted awareness programme on Anti-Drugs in the TKREC Auditorium to Raise awareness about the dangers of illicit drugs.
13/10/2017, One Day	86th BIRTH ANNIVERSARY OF Dr. APJ ABDUL KALAM	On eve of Dr APJ ABDUL KALAM 86th birthday YUVATHIRANG and KPC projects Pvt Ltd is organized a huge awareness on his vision 2020 ideology in TKRES Cricket Ground.
11/12/2017 One Day	User awareness program conducted by Pearson	Created awareness on Computer Based Testing Solutions to Students
21/12/2017 One Day	User awareness program conducted by IEEE	To Access IEEE Journals
5/1/2018	National Digital Library Registration	Build a virtual repository of learning resources that are available in digital form
16/01/2018	GOVT. PRIMARY SCHOOL MEERPET	Cleanliness(Swachh)
20/02/18	STREET PEOPLE HELP	Welfare
7/3/2018	OLD AGE HOME VISIT	Nutrition
27/12/2017	NPTEL Registration	National Programme on Technology Enhanced Learning
21/01/2018	N-LIST Registration	To Access Scholarly Articles

## 2017-18 AY Activities to increase consciousness about national identities and symbols

Title of the programme/Activity	Duration (from-to)	Number of participants
International Women's Day	8-Mar-18	320
Independence Day	15-Aug-17	500



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Teacher's Day	5-Sep-17	436
Engineer's Day	15-Sep-17	100
Republic day	26-Jan-18	400

## 2017-18 AY IQAC offers a course on Human Values and professional ethics

As part of curriculum “Environment Study” for first and second year, faculty makes students aware about the basic components of environment and their application in various fields. Institute organizes various activities like tree plantation, public awareness during festival season with the help of students. E.g. Importance of Blood donation and blood donation camps, importance of hygiene and individual responsibilities regarding the same, Immersion of Ganesh idol etc.

Sr. No.	Description of critical issue	Title of course wherein the issue is addressed	Unit/chapter no.	Remarks
1	Environment sustainability	MC400ES: Environmental Science and Technology:	Unit I: Eco Systems Unit II : Natural Resources Unit III Biodiversity and Biotic Resources Unit IV: Environmental Pollution Unit V: Environmental Policy, Legislation and EIA	To create awareness in the students regarding our Environment and its pollution also the legal acts about it.
2	Environment sustainability	A50117: Disaster Management	UnitI: Environmental Hazards Unit III: Endangerous Hazards Unit IV : Exogenous Hazards Unit V: Emerging approaches in/ Disaster Management	To get the knowledge about natural disasters happening and their preventive measures.



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3	Environment sustainability	CE602PC: Environmental Engineering	Unit I Water Supply Schemes Unit II Water Treatment Units Unit IV : Waste Water Treatment	To develop Water treatment techniques' in the students.
4	Environment sustainability	A60127: Ground Improvement Techniques	Unit I: Ground Modification	To increase the ground stabilization and improve lifetime of the structure in critical situations.
5	Environment sustainability	A60124: Environmental Impact Assessment	Unit I: Direct and Indirect Impacts Unit III: Meteorological data Unit IV: Soil Pollution	To aware about Environment impact and its preventive measures.
6	Gender Sensitization	MC300HS: Gender Sensitization	Unit I: Socialization Unit II: Gender and Biology Sex Education Unit III: Gender and Labor Unit IV: Speaking out towards Domestic violence.	Creating Gender Equality among girls and boys.
7	Human values and Professional ethics	A50018: Human values and Professional ethics.	Unit I: Natural acceptance Unit II: Understanding Harmony Unit III: Understanding Harmony in the society Unit IV: Nature & existence harmony Unit V: Human values acceptance	Development towards human values and ethics
8	Human values and Professional ethics	17MBA07 : Business Communication lab	Business communication aspects	Improvement of student communication in business aspects

## Gender sensitivity facilities provided by IQAC:

### a. Safety and Social Security:



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- Gender Sensitization is the domain of Humanities and Social Sciences. Gender Sensitization course has been introduced in our institution under guidance of JNTUH.
- Teegala Krishna Reddy Engineering College (TKREC) is always taking utmost precautions regarding safety and security especially for girl students and faculty. In connection with that different committee such as Anti-ragging committee, Discipline and Grievance committee, Women Welfare committee, staff –Student welfare Committee and Internal compliance committee as per the order issued by JNTUH have been constituted and function of that committees are monitored through our College Internal Quality Assurance Cell (IQAC).
- The institution provides the CCTV surveillance in the campus main places such as entrance, parking places, canteen, library mainly to avoid ragging and any mischievous happenings in the Campus and the same is centralized with CCTV to watch day to day happenings and take necessary action.
- All students and employees of our TKREC are allowed with ID card by our security at the main gate itself. The outside visitors will be allowed with passes.
- The two wheelers and four wheelers parking area are provided very near to the entry of our college and making pollution free inside the campus.
- Our students participated in the road safety awareness programme.
- Local police station is helping the institution as and when any problems are raised. For contact: Mobile: 9490617366, 9490617111
- Our Institution has safety provision to handle emergency including fire and other calamities.
- Rubber mats are provided wherever the electrical conduits crossed between the worktables in all laboratories.
- First aid box, fire alarm and fire extinguisher are provided in the main places of the college buildings.

## **b. Counseling:**

Department faculty are taking responsibility for individual care of students in all manners such as academic performance, discipline in and out of campus and any other personal problems come up. Under Mentoring, 20 students are allocated to each faculty to look after the activity of students periodically. TKREC also formed different committees for the welfare of students and staff including women staff and girl students.



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## c. Common Room

Common Room is provided for students to lead a healthy and stress-free life in our college campus. The institute has separate common room both for girls and boys. Students utilize the common room to take rest when they are ill.

## Waste Management System:

Our Institute takes all measures to maintain our campus with reduced plastic usage and to remove the waste which are harmful to environment.

### Solid Waste Management:

- Dust bins are arranged in all department staff rooms, labs, library, and every floor steps.
- Cleaning or emptying the dustbins is being done on a regular basis.
- The dead leaves and garbage are collected by our housekeeping personnel and hand over to Municipal vehicle daily.
- All plastic wastes are collected and it is given to Municipal Corporation.

### Liquid Waste Management:

Liquid waste from the points of generation like the canteen, and toilet is segregated and disinfected and let out as effluent into a common drainage facility. This liquid waste effluent could trigger various infections and can cause disease outbreaks among the people, if they end up in the some local water bodies like lakes, rivers etc., So sensing this danger, we plan to have Effluent Treatment Plants (ETPs), for treating the waste water that can eventually be reused.

### E-Waste Management:

The College has emphasis on paperless office to save carbon emission in printers. The cartridges of laser printers are refilled outside the college campus. UPS, Batteries are recharged / repaired / exchanged by the suppliers. Our institution follows buy back system to dispose the E-waste like monitors, CPU etc., Some equipment is reused after service and slight modifications. The non-working computer spare parts and other non-working equipments are collected in the IT workshop for showing demo to our students.



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## Rain water harvesting structures and utilization in the campus:

- TKREC has constructed 6 no's of rain harvesting pits in different areas to collect and store the
- water for long time and long term resource. Water draining from the roofs, and surrounding areas of the college, is made to collect them and redirect to a deep pit, hence the ground water level sustains to serve even during peak summer.
- Our College is using the bore well waters for supplying water to all the purposes which is placed near to the rain water storage pits since for making availability of water in the bore well round the year without getting dry even in the summer season.
- In addition our college provides purified water for drinking through our own RO purifier plant which is situated on the roof top. Our plant is having 1000 litres capacity. The waste water from the plant is also made to discharge in the rain water storage pits.
- With the help of storing water it is made to supply water for drinking and plantation of the College, which will improve vegetation and save our environment.
- There is enough open space and mud places are also available in our college campus to harvest the rainwater.