WELCOME

IQAC 15th Regular Meeting

Friday, 9th Nov. 2018

Agenda

A) Action taken report on the proposals of 14th IQAC meeting.

B) Issues open for discussion

1) Institutionalization of Quality Circles.

2) Assessment of Comprehensive performance of Depts.

3) Proposal to implement Plastic free campus.

4) Any other item with the permission of Chairperson.

A) Action Taken Report on resolutions of 14th IQAC meeting

1) Innovative model development at department level.

2) Encouraging the students to participate in Industry driven National / Global Competitions.
(TCS – CodeVita, CISCO - Global Problem solver challenge / TEXAS INSTRUMENTS - Innovation Challenge, NATIONAL INSTRUMENTS – Annual Student design contest, etc)

A) Action Taken Report on resolutions of 14th IQAC meeting

Innovative Model Development at department level in the current academic year

Total no of models presented: 55

Recognitions at outside Platforms: 14

Awards won :   07

Prominent models presented at College Innovations day

Civil – 06	EIE- 05
CSE – 06	IT- 12
ECE- 06	ME- 11
EEE- 09	

Models recognized at outside platforms

CSE – 02	IT- 05
ECE- 01 (6 prizes)	ME- 01

A) Action Taken Report on resolutions of 14th IQAC meeting
Recognition at outside platforms

Dept	Model	Recognition
CSE	Find Mates App	Selected for Microsoft WISE Competition
	B Cause Zumo App	Selected for Microsoft WISE Competition (Microsoft WISE- Women in Software Engg)
ECE	Aqua culture monitoring system	➢ Selected for Global Husky Challenge -2018 at NORTH EASTERN UNIVERSITY Boston, USA.
		➢ Selected for Grand Finale (Out of 150) to be held at New Delhi at Start-up India Yatra -Organized by Govt of India and AP, at Guntur
		➢ 1st Innovation award in Agriculture. 75000/- award for incubation at Start-up India- at GITAMS University, at Vizag
		➢ Special recognition at Make: Magazine, AP innovation Society
		➢ Special recognition and appreciation award at Start-up Samvadh, Organized by A-Idea, BIRAC NAARM Govt of INDIA, at Guntur
		➢ Selected for AICTE- Vishwakarma Awards-2018

A) Action Taken Report on resolutions of 14th IQAC meeting

Recognition at outside platforms

Dept	Model	Recognition
IT	Smart Irrigation	Selected in AICTE-Vishwakarma Awards-2018
	Smart Pillow for redefining sleep using Arduino UNO	Secured 2nd prize in Research Expo conducted by IIT Madras-Feb 2018.
	Project X	Secured 3rd prize at Technozon-2K18, NIT Warangal Sept. 2018.
	Spraying Drones	Selected in AICTE-Vishwakarma Awards-2018
	Desktop and Android Applications	Represented A.P. for IT Software Solutions for Business-organized by National Skill Development Corporation
ME	Defective Shrimp Detector	Presented in BITS Pilani Hyderabad.

A (1) Innovative model development at department level

Aqua-Culture Monitoring-ECE

Smart Irrigation-IT

Smart pillow - IT

Project X- IT

Desktop and Android Applications – IT

Defective Shrimp Detector- ME

A) Action Taken Report on resolutions of 14th IQAC meeting

Implementation of a strategy to promote students to Industry driven National / Global Level Competitions.
(TCS – CodeVita, CISCO - Global Problem solver challenge / TEXAS INSTRUMENTS - Innovation Challenge, NATIONAL INSTRUMENTS – Annual Student design contest, etc)

A (1): Industry driven National/Global Level Student Competitions
Action taken so far

A committee with college level coordinator & mentors from all Depts.

Departmental Mentors
Dr. G. Vinil Kumar, CE
Mr VVNV Phani Kumar, CSE
Mr R V H Prasad, ECE
Dr. P Chandra Babu Naidu, EEE
Mr G Pavan Kumar, ME
Dr. A.Srisaila, IT
Ms. Divya Bharathi, EIE

College Level Coordinators
Dr.G.Srinivasa Rao. EEE
Dr. Ramesh Kumar. CSE

A (1):Industry driven National/Global Level Student Competitions

Objectives of the committee

- To provide a platform to motivate and create awareness on National & International Industry driven student competitions.

- Thus getting recognition, Internships and placement opportunities to our students.

A(1): Industry driven National/Global Level Student Competitions contd..

Action taken by the committee

i. Identified a group of students of 245 to participate in industry competitions from all Engineering depts.

ii. A whatsapp group is in place to communicate the information regarding the activities of this committee.

iii. Organizing workshops on Innovations / Start-ups by inviting CEOs of Start-ups and Prominent Alumni on regular basis.

A(1):Industry driven National/Global Level Student Competitions

Outcome at this particular time

- 75 Students registered in 'Product design & Innovation' course offered by NPTEL and 'Innovation by Design' a course offered by Open Design School – IITB

- A team headed by Lokesh of ECE bagged first prize in Startup India competition.

- 10 students got selection in TCS through CodeVita -TCS Global Coding Contest, out of 30 qualified students.

A(1):Industry driven National/Global Level Student Competitions

Course of action

Registered for Institution's Innovation Council (IIC) supported by MHRD's Innovation Cell (MIC).

Recently, MHRD has established 'MHRD's Innovation Cell to promote systematically the culture of Innovation among Higher Education Institutions (HEIs).

MIC has thought of encouraging creation of 'Institution's Innovation Council (IICs)' across selected HEIs.

A network of these IICs will be established to promote innovation in the Institution through numerous modes leading to create a vibrant local innovation ecosystem.

A(1):Industry driven National/Global Level Student Competitions

Course of action

Get ready to participate for **Atal Ranking of Institutions on Innovation Achievements (ARIIA)**

To ensure those Innovations of all HEIs, MHRD has introduced '**Atal Ranking of Institutions on Innovation Achievements (ARIIA)'** to rank education institutions, based on following innovation related indicators.

Indicators and weightages for ranking

1. Budget expenses to Innovation & Entrepreneurship development – 20 marks
2. Facilitating access to advance centres / Facilities and entrepreneurial support system- 10
3. Idea to Entrepreneurship - 54
4. Development of innovation ecosystems supported through Teaching & Learning - 10
5. Innovative solutions developed in-house for improving Governance of your Institution - 6

B) Issues open for discussion &

Need of the hour

1) Institutionalization of Quality Circles.

   Mandatory requirement as per revised guidelines of NAAC.

2) Assessment of Comprehensive performance of Depts.

   To become one among the top private institutions in the country.

3) Plastic free campus.

   One of the indicators under 7.1.7 sub criteria of NAAC-SSR

   To participate in AICTE Clean Campus Awards

4) Any other item with the permission of Chairperson

B 1) Institutionalization of Quality Circles

Quality Circles?

Quality Circle (QC) is a small group of students / faculty in the same work-area, doing a similar type of work

They voluntarily meet regularly for about an hour every week to identify, analyse and resolve work-related problems

It leads to improvement in their academic performance.

B 1) Institutionalization of Quality Circles contd ..

Student Quality Circles

It is planned to implement SQC for **slow learners in a course of an Engineering program and to improve their academic performance.**

Example-

50 students were identified as **slow learners** out of 140.

5 students were identified as **QC leaders.**

Each group consists of 10 members and one QC leader.

Groups are made considering no of backlogs, age, urban/rural back ground, etc.

A faculty member acts as **facilitator.**

The **circle members** meet **once / twice in a week** for **45 minutes** and take up hard topics of the subjects in which they are struggling to get through for discussion.

B 1) Institutionalization of Quality Circles

Some Benefits of QCs

- Promotion of Quality Circles is one of the **Indicator insisted by NAAC**.

- Creates a **student-centric environment** where students are involved and encouraged to participate enthusiastically in their teaching-learning process.

- Acts like a catalyst in transforming a **passive learning** environment to an **active learning** environment.

- Enhancement in **student's involvement**, morale and satisfaction.

- Better way of utilizing student's input for pedagogical methodology.

- Team building among students and spreading message of **work together** for progress.

ᴮ 1) Institutionalization of Quality Circles contd ..

Institutions following QC approach

➤ Thiagarajar College of Engineering, Madhurai, Tamilnadu

➤ J C T College of Engineering & technology, Coimbatore

➤ Nandha Engineering College, Erode

➤ K.E society's Rajarambapu Institute of Technology, Salkharale, Maharashtra

➤ Jai Prakash Mukand Lal Institute of Engineering & Technology, Radaur

➤ Gate way Institute of Engineering & Technology, Sanepat

ᴮ 1) Institutionalization of Quality Circles contd ..

IQAC proposes to begin with the following by adopting this approach

- Slow learners / backlog students

- Repeated failure of students in specific subjects

- Improving results of first year engineering students

B(2) Assessment of Comprehensive performance of Depts.

- To rank the departments

- To become one among the top private institutions in the country by creating healthy competitive spirit among the departments.

- Proposed to Implement from the current academic year 2018-19

- The indicators for the assessment of departments have been discussed in length at various meetings and are given below.

B(2) Assessment of Comprehensive performance of Depts.

Performance Indicators

1.Pass percentage (Particularly in 1st and 2nd years)

2.Visibility of the Department in National & International platforms – participation of students & faculty - IIT's / NIT's / Industrial forums / Professional societies / GATE

3.Placement rate & Highest salary & I-I-I – Industry Internships (Long period) / Industry Projects (full time)

4.Faculty contributions – (publications in SCI / Scopus, Funding received from R & D / Consultancy, patents filed, Ph.D's obtained in addition to effective teaching-learning).

B 3) Plastic free campus

Need of the hour

- One of the indicators under 7.1.7 sub criteria of NAAC-SSR

- To participate in **AICTE Clean Campus Awards**

- **Social responsibility** – inculcating and motivating on environmental sustainability.

ʙ 3) Plastic free campus

What extent it can be implemented

	✓	x
Plastic Banners	✓	x
Plastic cans for RO water	✓	x
Water bottles	✓	x
Soft drink bottles	✓	x
Food packs & carry bags	✓	x
Usage of plastic cups, spoons & plates in canteen	✓	x

B 3) Plastic free campus

What extent it can be implemented

- Usage of plastic carry bags in classrooms / on campus can be stopped
- Plastic cups in the canteen can be banned
- Hot beverages are served in steel / ceramic / glass cups both at college and canteen.
- Plastic straws and plastic food package can be stopped.
- Plastic cutlery can be replaced by steel cutlery.

ᴮ 3) Plastic free campus

Some steps towards implementation

➢ Awareness and motivational programs through

- Dept. student Association
- Student groups EWB
- NSS/NCC activities
- Work shops
- Programs on World Environmental Day, Earth day, etc.

➢ Display of placards in prime locations of the campus

➢ Declaring students awards who are working for it

ᴮ 3) Plastic free campus

X   ✓   ✓

Open disposal   **Dry waste bin**   **Dry & Wet waste bins**

Agenda B(4)

Any other item with the permission of Chairman

THANK YOU