



WELCOME

IQAC 14th Regular Meeting

Monday, 30th April 2018

Agenda

- **A) Action taken report on the proposals of 13th IQAC meeting.**
- **B) Issues open for discussion**

1) Implementation of a strategy to promote our students to Industry driven National / Global Level Competitions in large scale

(TCS – CodeVita, CISCO - Global Problem solver challenge / TEXAS INSTRUMENTS - Innovation Challenge, NATIONAL INSTRUMENTS – Annual Student design contest, etc)

2) Departmental Product development rooms/laboratories & Fabrication Facilities – Present status

3) Any other item with the permission of Chairperson

A) Action Taken Report on resolutions of 13th IQAC meeting

1) Utilization of Library resources and steps for improvement.

2) Automation of college activities.

A) Action Taken Report on resolutions of 13th IQAC meeting

1) Utilization of Library resources and steps for improvement - Sri M. Sree Ramalu

contd ..

B (1): Present status of utilization of Library resources.

Library Visitors Report

S.No	Year	No of Visitors / year	visitors /day	% Utilization per day
1	2012 -2013	92268	272	5
2	2013-2014	108274	319	6
3	2014-2015	121943	359	7
4	2015-2016	106887	315	6
5	2016-2017	82502	243	5

Source: 1. Gate Register 2. Digital Library 3.Staff Register

contd ..

Library resources utilization

ONLINE FEEDBACK FROM STUDENTS AND STAFF

FEEDBACK FORM CONTAINS THE FOLLOWING:

Section A : General Information :

Status in College, Sections Visited, Purpose of Visit, Frequency of Visit.

Section B: Feedback :

Environment- Cleanliness & Ambiance –
Lighting & Ventilation.

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ONLINE FEEDBACK FROM STUDENTS AND STAFF SERVICES:

Clientele Assistance- Internet Services-Circulation,
Reference Services- Periodical Division- OPAC- Variety
of Services- (Handbooks-Competitive Books- GATE)
e-journals-e-books and Intranet Services-NPTEL Videos,
Question Papers.

COLLECTIONS:

Relevance Collection- Sufficiency & Availability-
Up-datedness-Physical Condition

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FEEDBACK REPORT

S.No	Status in College	Excellent	Very Good	Good	Fair	Poor	Total
1	Student	292	760	1181	190	48	2471
2	Faculty	35	78	48	8	2	171
3	Non-Teaching	4	4	9	0	0	17
		331	842	1238	198	50	2659
	Overall %	12.5	31.7	46.5	7.5	1.8	100

Major suggestions from student feedback

Enhancement of digital library.

More Competitive Magazines.

More volumes of text books.

Text books for PG students.

Measures taken against student feedback

- *Internet facility was extended for digital library in Common Computer Center .**
- *2nd copy of Competitive Magazines have been subscribed from Jan' 2018.**
- *Volumes of text books are being maintained as per AICTE norms.**
- *Library is trying to procure Text books for PG students from next academic year.**

A) Action Taken Report on resolutions of 13th IQAC meeting

Automation of college activities

contd ..

Automation of college activities

Software has been procured from *Brainovision Solutions India Pvt Ltd*

It covers all modules of an Academic Institution

Modules & Sub Modules

1.Student Module

- i) Preadmission
- ii) Admission
- iii) Scholarships
- iv) Course regulations
- v) Co-Curricular & Extra Curricular
- vi) Student Counselling
- vii) Track records of students

Automation of college activities

2. Faculty

- i) Personal details
- ii) Scale of pay
- iii) Workload
- iv) other duties.
- v) FDPs
- vi) PhD status
- vii) Workshops, Conferences, etc.
- viii) Industry
- ix) Resource person

3. Research & Publications

4. Continuing Education activities

5. Examinations

- i) Pre exam
- ii) Post exam

6. Placement – Student data

B) Issues open for discussion

1) Implementation of a strategy to promote our students to Industry driven National / Global Level Competitions in large scale

(TCS – CodeVita, CISCO - Global Problem solver challenge / TEXAS INSTRUMENTS - Innovation Challenge, NATIONAL INSTRUMENTS – Annual Student design contest, etc)

2) Departmental Product development rooms/laboratories & Fabrication Facilities – Present status.

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B. Issues open for discussion

1) Implementation of a strategy to promote our students to Industry driven National / Global Level Competitions in large scale

contd ..

B 1) Industry driven National / Global Level Student Competitions

Why should we participate?

- **Name and Fame at National and Global level**
- **A great opportunity for publicity for our College**
- **Due weightage in Quality Certifying Agencies**
- **Quality students input at admission**
- **Opportunity for our students to solve innovative / real world problems.**
- **Good amount of Prize money (in Lakhs) to students**

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B 1) Industry driven National / Global Level Student Competitions

Why should we participate?

- **Exciting Career opportunities with high pay**
- **Internship opportunity**
- **Global Ranking to the Toppers**
- **Mentorship and free training by companies**
- **opportunity to exhibit our innovative ideas in front of industry professionals**
- **Industries provide free training on Hardware and Software for winners**
- **reflect the level of talent of our faculty**

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Industries offering National / Global level student Competitions

- **TCS –CODEVITA,**
- **NATIONAL INSTRUMENTS - The Annual Student Design Contest (Niyantara),**
- **CISCO- Global Problem Solver Challenge,**
- **TEXAS INSTRUMENTS, etc.**

TCS - CodeVita

- **World's largest coding contest being organized by TATA Consultancy Services Limited.**
- **Objective: to identify passionate coders across the globe and sharpen their programming skills through some real-life computing practices.**
- **Cash prize: \$ 3,000-10,000**

CISCO - Global Problem Solver Challenge

- **Organised by CISCO**
- **CISCO is networking company of Int. reputation**
- **to recognize new innovative solutions that leverage technology for social impact from student around the world.**
- **Prize money \$300,000 USD**

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NIYANTRA - The Annual Student Design Contest

- **Organised by National Instruments**
- **to accelerate researcher innovation by providing the technology and support to prototype systems, publish findings.**
- **Cash prize: Rs 25,000-7,00,000**

Present scenario of our college

- **CSE –TCS CODEVITA - 4 B.Tech Students got Job offer with 5 LPA**
- **ECE- Hackathon 2017- 12 students got consolation prize**
- **EEE- Both in International Institute of Entrepreneurship Development (Northeastern University, Boston, USA in collaboration with APSSDC) - & ICT Academy Student INNOVATOR Award 2018 - one student secured prize**
- **CE- INSDAG (Institute for Steel Development and Growth) -National Student Award Competition for Civil / Structural Engineering Students - Fourth place in South India.**

B 1) Industry driven National / Global Level Student Competitions

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IQAC Recommendations

- 1. Creating awareness to students by inviting experts from relevant fields**
- 2. Establishment of a separate Cell with a Coordinator, at college level.**
- 3. Departmental Faculty mentors to guide, encourage and help the students.**
- 4. College Cell Coordinator updates the information of competitions through Notice boards / Web site**
- 5. Encouragement / Incentives to both supporting faculty and student prize winners.**

B 2) PRODUCT DEVELOPMENT ROOMS / LABS - PRESENT STATUS

- 1. Identifying the students from 2nd year for model development.**
- 2. Allocation of separate room for model making with minimum facilities in every department.**
- 3. Provision in Budget proposal for Financial support for model making.**
- 4. At least two models may lead to *Patent* from each dept. in a year from this Platform.**
- 5. The same labs may be extended to Innovation & Incubation**

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PRODUCT DEVELOPMENT ROOMS / LABS - PRESENT STATUS

Dept	Innovative model	Details of Exhibition	Outcome
CSE	1.Home automation using IoT.	Nimra Group of Colleges.	1st Prize
	2.Air Pollution Detection system using IoT	Sri Jagadguru Chandrasekaranathaswami ji Institute of Technology	1st Prize

PRODUCT DEVELOPMENT ROOMS / LABS - PRESENT STATUS

Dept	Innovative model	Details of Exhibition	Outcome		
IT	Infi Connec.				
	Quadcopter				
	IOT Smart Irrigation				
	Arduino Radar				
	Coin operated Mobile				
	Irrigation using IOT				
	smart garbage monitoring system			Engineers day , VRSEC	Demo Model
	Online Shopping Using Data				
	Mining				
Guester Control Robot.					

Dept	Innovative model	Details of Exhibition	Outcome
EEE	1.Advanced Farming	Engineers day, VRSEC	Cash Prize from IITM
	2.Underground Cable Fault Detection		
	3.Home Security And Automation		
	4.Smart Pillow With Sleep Analysis & Sleep Monitor		
	5.Smart helmet		
	6.Head movement based wireless devices switching for Differently Able persons		
	7.Self Driving Car Using Machine Learning		
	8.Eye Controlled Wheel Chair With Ultra Sonic Sensors		
	9.Pc Based Electrical Load Control		
Participation			

Dept	Innovative model	Details of Exhibition	Outcome
ECE 2017	<ol style="list-style-type: none"> 1. Artificial intelligence robot 2. Monitoring & controlling Green House Environment 3. Smart street light management system using IOT 4. Electronic personal safety system 5. Smart water management system 6. Solar power charge controller 7. Alcohol detection & automatic seat belt using GSM 8. Home automation & temperature, humidity report 9. Optimized energy saving solution 10. Foot step power generation 11. Laser light security alarm 12. IOT based driver safety & alertness system 	Engineers day, VRSEC	Participation

PRODUCT DEVELOPMENT ROOMS / LABS - PRESENT STATUS

Dept	Innovative model	Details of Exhibition	Outcome
EIE	1.OCR Based Automatic book reader for visually Impaired using Raspberry Pi	Engineers day, VRSEC	Participation
	2.Smart Shoe		
	3.Arduino based Vehicle Tracker using GPS and GSM		
	4.Gesture controlled Robot		
	5.Garbage Monitoring System		
	6.Fully Automated Solar Grass cutter		
	7.Advanced Defense Robot for BSF		
	8.Speed Checker to detect Race driving on Highway		
	9.Pipe Inspection Robot		
	10.Line following Robot without using Microcontroller		

Dept	Innovative model	Details of Exhibition	Outcome
ME	1.Go-kart vehicle design - Society of Mechanical & Automotive Engineers, Coimbatore	Student Kart Design Championship-Coimbatore.	5 th Place
	2.Geneva Mechanism	Engineers day, VRSEC	Ist Prize
	3.Peltier Effect		2 nd Prize
	4.Swinging Arm Lifter		3 rd Prize
	5.Pick and Place Robot		Participation
	6Automatic Fire Detection and Prevention System		
	7.Bluetooth controlled robot	Gora Science Center	2 nd Prize
	8.Anti-rigging voting machine	Gora Science Center	2 nd prize
	9.Rocker Bogie Mechanism	Engineers day, VRSEC	Ist prize
	10.Automatic Rigging less voting machine		2 nd Prize
	11.A E Robot		3 rd Prize

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PRODUCT DEVELOPMENT ROOMS / LABS - PRESENT STATUS

Dept	Innovative model	Details of Exhibition	Outcome
CE	1.Study on Working Performance and Efficiency of Prototype Stepped Upflow Anaerobic Filter	Permanent structure developed in the department	Working for Publication
	2. Stiffness of elevated water tank staging-experimental investigation	Model erected in the department made of steel and concrete	Working for Publication

Agenda B(3)

**Any other item with the permission of
Chairman**

THANK YOU