



WELCOME

IQAC 4th Regular Meeting

FRIDAY, 26 DECEMBER 2014
IT Seminar Hall

Agenda

1. **Confirmation of the minutes** of 3rd meeting
2. **Action taken report** on the proposals of 3rd meeting
3. To review the present **student feed back parameters**
4. To discuss the **feedback collection methods and measures to be taken** based on the feedback of the students.
5. **Any other item** with the permission of the chairperson

AGENDA 1. **Confirmation Of The Minutes** Of 3rd Meeting

- Draft minutes are kept online and circulated to members through e-mail

Members are requested to confirm the draft minutes

Agenda 2. **Action taken report** on the proposals of 3Rd meeting

- Action Item 1: Guidelines for faculty development programs - Dr. K.S. Rama Krishna
- Action Item 2: Guidelines for Environment audit - Dr.M.V.S. Raju
- Action Item 3: Energy Audit - Dr.P.V.R.L. Narasimham
- Action Item 4: Swatch Bharat Program In association with VRSEC walkers club - NSS

Action Item 1:

Guidelines for faculty development
programs

- Dr. K.S. Rama Krishna

Guidelines for faculty development programs

- Types of faculty development programs
 - Specific to one department
 - Common to set of departments
 - Institute level
- Nature of programs
 - Course/subject specific
 - To impart recent advances
 - New teaching strategies
 - skills and attitude

Guidelines for faculty development programs

- Course/subject specific - based on semester end feedback
 - at least two months before the semester
- Minimum Duration of 3 working days, if department specific
- Minimum duration of 5 working days, if it is common among the depts. or institute level
- Program shall be arranged in lecture-free period
- Program structure with well defined learning outcomes and learning resources
- Max. of two resource persons per day (also internal if resourceful)
- Deputation outside is also only for programs that fall under this category

Action Item 2:

Guidelines for Environment audit

- Dr.M.V.S. Raju

Goals of the audit

- **To establish a baseline of existing conditions**
- **To provide basis for improved sustainability**
- **To promote environmental awareness through the assessment process**
- **To create an educational document for future use**

Indicators of sustainability

- **College administration and policy**

- Policies followed to promote awareness for sustainable development.

 - Energy Star products purchased.

 - Recently proposed / constructed Building where Green Building technology was adopted

- **Education**

- Conducting awareness programs related to Environmental issues

- Creating Green Network / Environmental groups / student clubs

- **Energy**

- Plan to use renewable energy sources

- Usage of LED bulbs to save energy

- **Water and waste water**

- Department wise Water usage
- Water conservation measures taken
- Quantity of Waste water generation
- Treatment facilities and reuse

- **Solid waste**

- Quantity of solid waste generation, segregation, etc.
- Compositing / landfill techniques

- **Hazardous materials**

- Hazardous chemicals in labs / research & acids used in WCs in the campus
- Annual consumption of pesticides

• **Purchasing**

- Purchasing guidelines / policies of the college

- Energy efficient products like.....

 - How many CRT monitors were replaced by LCD / flat panel;

 - Computers purchased with energy star rating;

 - Type of paper – annual purchase of recycled paper / cost difference

• **Dining**

- Type of food and quantity

- Current practice for disposing food waste.

- Traditional vs packed food

• **Transportation**

- Encouragement to use bicycles for nearby students

- Measures to minimize transport vehicles

• **Landscape**

- Water use / type of irrigation // use of chemical fertilizers / pesticides

Action Item 3:

Energy Audit

- Dr.P.V.R.L. Narasimham

ENERGY AUDIT- CASE STUDY

DEPARTMENT OF ELECTRICAL &
ELECTRONICS ENGINEERING

Objectives of Energy Audit

1. The objective of Energy Audit is to promote the idea of Energy Conservation in VRSEC Campus.

2. The purpose of the energy audit is to identify, quantify, describe and prioritize cost saving measures relating to energy use in the Hostels, Departments and Institute Central Facilities.

Method Adopted for Energy Audit

- Identification of areas of energy wastage and estimation of energy saving potential in Hostels, Departments and Institute Central Facilities.
- Suggesting cost-effective measures to improve the efficiency of energy use.
- Estimation of implementation costs and payback periods for each recommended action.
- Documenting results & vital information generated through these activities.
- Identification of possible usages of co-generation, renewable sources of energy (say Solar Energy) and recommendations for implementation, wherever possible, with cost benefit analysis.

Case Study :EEE Block

S.No.	Description of location	Fluorescent tubes with ordinary chokes	FANS	CRT Monitor Computers
<i>1</i>	<i>Class Rooms</i>	<i>62</i>	<i>50</i>	<i>--</i>
<i>2</i>	<i>Labs</i>	<i>121</i>	<i>69</i>	<i>62</i>
<i>3</i>	<i>Faculty Rooms</i>	<i>34</i>	<i>35</i>	<i>5</i>
<i>4</i>	<i>Waiting Rooms, Corridors and Toilets</i>	<i>25</i>	<i>8</i>	<i>--</i>
	<i>Total</i>	<i>242</i>	<i>162</i>	<i>67</i>

Suggestions for Improvements

1. Replacing Conventional Ballast [Choke] FTLs

Case 1 : Cost Analysis of Replacing Conventional Ballast [Choke] FTL with Electronic Ballast [Choke] FTL

Case 2 : Cost Analysis of Replacing Conventional Ballast [Choke] FTL with LED Tube Lights of 20 W

2. Replacing Resistance Regulators of Fans by Electronic Regulators

3. Replacing the CRT monitors with LCD monitors

Analysis Table

S.No	Appliances	Number	Annual Savings (kWhr)	Annual Savings (Rs.)	Capital Investment (Rs.)	Payback Period (yrs)
1-a	<i>Ballast[Choke]</i>	242	5488.56	41,164.20	41140	1
1-b	<i>LED Tube Lights</i>	242	16465.68	1,23,492.60	363000	2.94
2	<i>Old fans Fan Regulator</i>	162	3,317.76	24,883.20	28,350	0.877
3	<i>Monitors[CRT]</i>	67	27135.00	2,03,512.50	4,02,000	1.975

Action Item 4:

Swatch Bharat Program In
association with VRSEC walkers club
- NSS

Agenda 3. To review the
present **student feed back**
parameters

Present **student feed back** **parameters/questions**

- Punctuality to class work and Practicals
- Preparedness for the Class
- Voice level & Clarity of speech
- Knowledge Content
- Presentation Skills
- Clarity of writing on the Board
- Discipline in the Class
- Encouragement to ask questions
- Practical Examples

Benchmarked parameters

- Benchmarked based on psychometrics (using in USA, UK, Canada, Hong Kong, Australia, Papua New Guinea, Spain, Japan and China)

1. Learning

2. Individual Rapport

3. Enthusiasm

4. Examinations

5. Organization

6. Breadth

7. Group Interaction

8. Assignments

9. Workload/difficulty

Additional/modified parameters for project work, seminars, laboratories

- Under each parameter 3-4 questions

Agenda 4. To discuss the
feedback collection methods
and **measures to be taken** based
on the feedback of the students

Feedback collection methods

- Print (some cases OMR!!) Vs Online
- Individual Course Vs All courses in that semester
- Mid-semester Vs End-semester (or both)
- Regular students (Attendance) Vs All registered students
- Anonymous Vs Confidential
- Collection using a common questionnaire by departments Vs Collection by Central administration

Factors effecting the Feedback

Faculty related	Student Related	Course Related	Administration related
Designation	Regularity	level of course	Purpose of the feedback
Communication skill	Motivation	Core Vs Elective	Informing possible actions
Possibility to take in higher semester	Internal Grades	Difficulty	
more personalised tutorials			

Measures based on feedback

- Faculty allotment in next session
- Faculty knowledge and skill updation
- Improvement related to course organisation, course assignments and the use of Teaching strategies (!!!)
- Reporting back to students the results of the feedback as well as plans for action based on that feedback

Perception among students that administration don't pay any attention to students' feedback

Agenda 5. Any other item

Next meeting : 3rd week of March 2015

Thank you