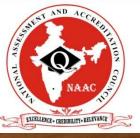# WELCOME

IQAC 8th Regular Meeting

Friday, 22nd April 2016

Agenda

- 1. Confirmation of the minutes of the 7th IQAC meeting.

- 2. Action taken report on the proposals of 7th IQAC meeting.

- 3. Issues open for discussion

  A) VRSEC- Teachers Training School (VRSEC-TTS).

  B) Regular Academic Audit.

  C) Any other item with the permission of Chairperson.

Agenda 1 : Confirmation of the minutes of 7th meeting

- **Following issues were discussed in the last meeting**

1. **Quality of the student projects**

2. **Certificate courses**

Contd..

Confirmation of the minutes of 7th meeting

1) Quality of the student projects

The honorable members of the IQA Cell, after constructive discussion, recommended that……..

- conducting **FDPs** will help both faculty & students to do projects in new areas of technology.

- Inviting the industrial problems as student projects by organizing the **Industry – Institute meetings**

- Establishing **Incubation centers** & involving students in faculty research.

Contd..

Confirmation of the minutes of 7th meeting

2) Certificate courses

- In view of the benefits of the **Certificate courses**, it was decided to conduct at least one course per year by each department

Contd..

Confirmation of the minutes of 7th meeting

1.Quality of the student projects

Faculty Development Programs (FDPs)
Industry – Institute Interaction meetings
Incubation Centers

2. Certificate courses

I request you to confirm the above items

Agenda 2 : Action Taken Report on resolutions of 7th IQAC meeting

1) Quality of the student projects

FDPs & Industry - Institute Interaction meetings conducted / proposed by various departments are given below.

Action Taken Report on resolutions of 7th meeting

Faculty Development Programs – Conducted and Proposed

Dept	Faculty Development Program	Date
CSE	Industry perception - Programming Skills	11th-13th , Feb. 2016
	FDP on Big Data Analytics	11th- 17th April 2016
	FDP on Cyber Security	April 2016
	Cloud Computing Implementation Issues	April 2016
	FDP on Wireless Sensor Networks and Internet of Things	May 2016
ECE	Antennas for wireless communications	2nd week of June 2016
	Signal Processing	1 week: Sept. 2015
	Wireless Communications & Adhoc Networks	1st week of October 2016
	Device Modeling	3rd week of December 2016
IT	Big data Analytics	11th- 17th April 2016
	Software Engineering	April 2016

Action Taken Report on resolutions of 7th meeting

Faculty Development Programs – Conducted and proposed

Dept.	Faculty Development Program	Date
CIVIL	In House FDP on teaching methodologies	June 2015 conducted
	Industry Oriented FDP	June 2016
EEE	Emerging trends in high voltage engineering & applications	27th April to 2nd May 2016
EIE	LABVIEW Training for Instrumentation Engineers	22nd – 26th June 2016
ME	Finite Element Applications in Mechanical Engineering using ANSYS	June 2016
MCA	Mobile Application Development	June 2016

Action Taken Report on Resolutions of 7th meeting

Industry-Institute interactions

- ## Faculty is spending time in Industries

Dept.	Date of Interaction	Industries / Organizations involved
EEE	9th August 2015	APTRANSCO, DISCOM and GENCO
	12th and 13th Feb. 2016	Electric loco shed
	11th, 15th, 28th Feb. 2016	KCP Sugar, Vuyyuru
	9th Feb. and 1st March 2016	G S Electricals, Vijayawada
ME	22nd , 23rd ,29th & 30th Jan 2016	Kumar pumps, Tenali
	3rd ,9th ,23rd & 30th Jan. 2016	KCP sugar and industries corporation limited
	21st-24th, 26th & 28th Dec.2015	Krishna Engineering Works, Sugar Machinery, Enikepadu

Contd..

Action Taken Report on Resolutions of 7th meeting

Industry-Institute interactions

Dept.	Date of Interaction	Industries / Organizations involved
CIVIL	13th Dec. 2015	1) Indian Railways 2) VMC, Vijayawada 3)CRDA, Vijayawada 4) VNS ready mix
ECE & EIE	28th Feb 2016	1) Episteme Soft. 2) BSNL 3) KCP & IC Ltd. 4) Efftronics. 5)Scientech 6) Microsys Automation 7) PSKR Foundation.
CSE,IT & MCA	April 7th, 2016	1) IBM, Vishakhapatnam, 2) Tata Consultancy and Services, Hyderabad, 3) BPM Practice , Virtusa 4) Infosys 5)Open Text 6)Pratian Technologies

Action Taken Report on resolutions of 7th meeting

Incubation centers

Heads of Departments of Computer Science, Mechanical and Electronics Engg. along with Dr.N.N.Sastry, Dean, R& D visited Research Park, IIT Madras in Connection to Incubation Centers.

However further discussions are required on Incubation centers

Action Taken Report on resolutions of 7th meeting

2. Certificate Courses

Certificate courses proposed by various departments are furnished below.

Department	Certificate Course	Proposed dates
CIVIL	Civil Engineering Practices	May 2016
CSE	Certification in Cyber Security	April 2016
	Certification in Data Analytics	May 2016
ECE	Matlab for 4th year students	July 2016
EEE	Certification in microcontroller	May 2016

Action Taken Report on resolutions of 7th meeting

2. Certificate Courses

Dept.	Certificate Course	Tentative Dates
ME	Application of FEM to Composite Structures.	April / June 2016.
IT	MS-Office (For Home makers)	April/May 2016
EIE	Matlab	July 2016

Agenda 3(A) : VRSEC-Teachers Training School

Now the need of TTS in VRSEC !!!!!

THEN:

- Obtained degrees from good institutions
- Most of the Pupil had opted their career in teaching by Choice (their own interest)
- Max scope of learning teaching skills by themselves

NOW:

- Many substandard Institutions offering PG courses in Engg.
- Most of the Pupil are opting their career in teaching by Chance
- Minimum scope for learning teaching skills by themselves

Agenda 3(A) : VRSEC-Teachers Training School

• Why TTS?

•Student input is also considerably increased.

•Attrition rate of teachers is also demanding the necessity of TTS.

•Teaching skills for any faculty in OBE are necessary now a days.

•Handling Laboratory courses without training.

•In the emerging scenario, the catchwords are "Quality and Competitiveness" and much emphasis is being given to improve the Quality of Technical Education.

•To meet these challenges, teachers need to get updated to acquire requisite knowledge, skills and attitudes.

Agenda 3(A) : VRSEC-Teachers Training School

Targeted participants

Young faculty having teaching experience less than three years / weak faculty Attending the training program in TTS is to be made mandatory.

Resource persons

75% of our senior faculty and 25% experts from outside.

Contd..

Agenda 3(A) : VRSEC- Teachers Training School

Curriculum

- Basic teaching skills
- Modern methods
- Outcome Based Education
- Laboratory course
- Project guidance & Research
- Student evaluation

Note: A committee of senior faculty will be constituted to design the curriculum & assessment

Agenda 3(A) :VRSEC- Teachers Training School

Assessment of trainees

Methodology to assess the trained faculty

•**Assessment during training and at the end of the training**

•**Assessment parameters / standards**

Written & oral Communication skills

Content preparedness & delivery skills

Audibility

Usage of Black board

Preparation of PPTs

Use of online course material

Agenda 3(A) : VRSEC-Teachers Training School

Assessment of trainees

Quoting practical examples

Interaction with students

Discipline

Cross checking their internal evaluation

Body language, Dress code & attitude

• **One has to acquire at least 75% marks for satisfactory performance.**

• **Incase if any faculty is unable to meet the standards defined below, he/she will be given two more chances to update their skills, incase if he/she fails further   it is left to the discretion of the Management.**

Contd..

Agenda 3(A) : VRSEC-Teachers Training School

Frequency of conducting the training program

- Normally scheduled once in every year

- However the interval of conducting training program may be changed if more faculty are recruited in a semester.

Agenda 3(B) : Regular Academic Audit

Why Academic Audit?

The benefits of auditing are well known.

**NAAC is insisting Regular Academic Audit
Which is reflecting in
Criterion 6.5 'Internal Quality Assurance System'**

Agenda 3(B) : Regular Academic Audit

Why Academic Audit?

6.5   Internal Quality Assurance System

6.5.1 Does the College conduct an academic audit of its departments? If yes, give details.

6.5.2 Based on the recommendations of academic audit what specific measures have been taken by the College to improve teaching, learning and evaluation?

6.5.3 Is there a central body within the College to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

6.5.4 ………….

6.5.5 ………...

Agenda 3(B) : Regular Academic Audit

Criteria for which audit is required

- Curricular Aspects
- Teaching-Learning and Evaluation
- Research, Consultancy and Extension
- Infrastructure and learning resources
- Student support and progression
- Governance, Leadership and Management
- Innovations and Best practices

Internal Quality Assurance Cell
V R SIDDHARTHA ENGINEERING COLLEGE
ACADEMIC AND ADMINISTRATIVE AUDIT
Evaluation Sheet

Department of ……………………………………………

Please rate the quality of the academic and administrative initiatives undertaken by checkmark in the appropriate box to indicate whether the criterion is not evident, less evident, sufficiently evident, or more evident .

S.No	Criterion	Institute(I) / Dept. (D)	Not Evident (0)	Less Evident (1)	Sufficiently Evident (2)	More Evident (3)
1	The need assessment is carried out and feedback from stakeholders is taken before designing the curriculum.					
2	The feedback from the stakeholders is reflected in the development of the curriculum.					

Agenda 3 (C)

Any other item with the permission of Chairperson.

Any other item