



Velagapudi Ramakrishna  
**Siddhartha Engineering College**  
(Autonomous)  
Vijayawada – 520 007, Andhra Pradesh

15<sup>th</sup> June, 2019.

**Minutes of 16<sup>th</sup> Internal Quality Assurance Cell (IQAC) meeting:**

Minutes of the 16<sup>th</sup> regular meeting of the Internal Quality Assurance Cell (IQAC) held on Saturday, 15<sup>th</sup> June, 2019 in the Conference Hall, CSE Block, V.R. Siddhartha Engineering College at 10.30 AM. Dr. A.V. Ratna Prasad, Chairman, IQAC and Principal, VRSEC, called for the meeting and requested Dr. M V S Raju, Professor of Civil Engineering & Coordinator, IQAC, to continue with the further proceedings. Further, he informed that, as per the guidelines of UGC / NAAC two external members are nominated for IQAC of VRSEC as follows:

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|---------------------------------|---|--------------------|
| 1. Dr. L. Krishnanand           | Professor, Dept. of ME, NIT, Warangal         | External Peer team |
| 2. Dr. P. Siddiah               | Principal, ANU College of Engg.& Tech. Guntur | External Peer team |
| 3. Dr. A.V. Ratna Prasad        | Principal, VRSEC                              | Chairman           |
| 4. Sri M. Rajayya,              | Vice-President, SAGTE                         | Management         |
| 5. Dr. P. V. Subbaiah           | Prof of ECE & COE                             | Sr. Admn. officer  |
| 6. Dr. Ch. Baby Rani            | Asso. Prof & HOD, Mathematics                 | Sr. Admn. officer  |
| 7. Sri M.V. Sai Babu            | Admin. Officer                                | Sr. Admn. officer  |
| 8. Sri M. Sreeramulu            | Librarian                                     | Sr. Admn. officer  |
| 9. Dr. N. Vijaya Sai            | Professor & Head, ME                          | Teacher            |
| 10. Dr. P.V.R.L. Narasimham     | Professor & HOD, EEE                          | Teacher            |
| 11. Sri Shaik Fayaz Ahamad      | Asst. Prof., ECE,                             | Teacher            |
| 12. Dr. V. Mallikarjuna         | Asso. Prof., CE                               | Teacher            |
| 13. Sri V. Naga Prudhvi Raj     | Asso. Prof., EIE                              | Teacher            |
| 14. Sri K. Parish Venkata Kumar | Asst. Prof., MCA                              | Teacher            |
| 15. Smt. K. Pragathi            | Asst. Prof., MBA                              | Teacher            |
| 16. Sri S.R.T. Rama Samy        | Vice-President, Efftronics Systems            | Industrialist      |

**Special Invitees Present:**

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|----------------------------|--|-----------------|
| 1. Dr. Ch. Srinivas        | Professor & Head, CE                                       | Special Invitee |
| 2. Dr. D. Rajeswara Rao    | Professor & Head, CSE                                      | Special Invitee |
| 3. Dr. K. Sri Rama Krishna | Professor & Head, ECE                                      | Special Invitee |
| 4. Dr. G.N. Swamy          | Professor & Head, EIE                                      | Special Invitee |
| 5. Dr P. Ramesh Kumar      | Sr Asst. Prof., CSE  | Special Invitee |
| 6. Dr G. Ramakoteswara Rao | Professor, IT (attended in lieu of Dr M. Suneeta, HOD,IT ) |                 |

**Members Absent:**

Sri P. Lakshmana Rao, Secretary, SAGTE, Dr. B. Panduranga Rao, Dean, Student affairs, Dr. N.N. Sastri, Dean, R & D, Sri Vijaya Maruthi Babu, IR & P, Dr M. Suneeta, HOD, IT, Dr. S. Srinivasa Prasad, Professor, ME, Dr A. Srisaila, Asst Prof of IT, Sri R.L. Narayana Charyulu, Asst. Prof., Mathematics, Sri. K. Durga Charan, Asst. Prof., IT, Ms J. Teja Pavani (Student), Sri M. Lingeswara Rao, Former Chairman, Local Society, IE(I) VJLC, Vja., Sri Dasari Ram Babu, Treasurer, CREDAI, have not attended the meeting due to their pre-occupations.

The following agenda items were discussed and deliberated upon.

**Item No. A. Action taken report on the proposals of 15<sup>th</sup> IQAC meeting held on 09-11-2018.**

Dr. MVS Raju, Coordinator IQAC, presented the following **Action Taken Report** on the resolutions of the 15<sup>th</sup> IQAC meeting.

**1. Institutionalization of Quality Circles.**

Dr. M.V.S. Raju, has presented the report on the institutionalization of Quality Circles. He mentioned in his presentation that, a in-house awareness program on quality circles was organized under IQAC to the Program coordinators and Course coordinators of all the departments on 28<sup>th</sup> November 2018.

For further support, IQAC approached the "Quality Circle Forum of India" (QCFI) and took membership of QCFI to get benefits from it.

Later, a Faculty Training Program was conducted on 'Quality Circles & Implementation' by QCFI, Hyderabad Chapter on 22<sup>nd</sup> February 2019.

Thus, participated faculty were prepared to implement Quality Circle approach by identifying the slow learners in specified subjects with a faculty coordinator as mentor in all the departments and are functioning effectively, he added.

In this regard, Dr. L. Krishnanand, Professor, NIT, Warangal, enquired about the training needed for the effectiveness, success of Student Quality Circles (SQC) and system to be adopted in this connection.

Responding to Dr. L. Krishnanand, Dr. M.V.S. Raju, explained that, a training programme was arranged for the benefit of faculty to clear all their doubts in implementing and monitoring the Quality Circles, by the experts from QCFL.

## **2. Initiatives to make the campus a plastic – free zone**

Dr. M.V.S. Raju, has presented the following report on initiatives taken on minimization of 'single use plastics' in all departments and the college to make the campus a plastic - free zone. He said that, awareness programs were organized through student associations in all the departments and the message is displayed in the respective departmental notice boards.

The college canteen management was directed to stop the usage of 'single use plastics' while serving the food / drinks in the canteen. Environmental audits are conducted in the campus.

In this regard, Sri M. Rajayya, Vice-President, SAGTE, asked Environmental Audit process and the team of auditors.

Responding to Sri M. Rajayya, Vice-President, SAGTE, Dr. Raju, Cordinator of IQAC said that, he himself along with Ms. C.L. Monica, Asst. Professor, S & H Department, were conducted the environmental audit and the reports were readily available in the dept.

He also instructed the IQAC and all Heads of the departments to strictly implement the campus as plastic free –zone.

## **Item No. (B) Issues for discussion**

### **1. Departmental and Institutional Distinctiveness.**

Dr. M.V.S. Raju, requested the heads of various departments to present about their departmental distinctiveness.

Responding to this all the heads of the departments are presented their departmental distinctiveness.

#### **Civil Engineering Dept.:**

Dr. Ch. Srinivas, HOD, CE, presented that, CE department is organizing Job Oriented Certificate course by Industry Experts for final year students to gain knowledge in real time construction industry, for the last 3 years due to which there is a significant improvement in the technical skills of the students and there is improvement in placements.

He further said that, the department is offering technical consultancy services to industry and society. The average revenue generated through consultancy services is about 3.0 crores per year.

In this regard, Sri M. Rajayya, Vice-President, SAGTE, asked about the improvement in placements.

Responding to him, Dr. Ch. Srinivas, said that 30% of improvement in placements is achieved due to training given to students through Job Oriented Certificate course.

#### **CSE Dept.:**

Dr. D. Rajeswara Rao, HOD, CSE, presented that, CSE department is adopted Innovative Teaching Methodology – ‘Semester Readiness Program’(SRP). SRP, at the beginning of the semester, makes the faculty ready to deliver the course by preparing the course content including PPTs, e-notes, interactive video content and corresponding active learning methods.

Further, he said that, their students are motivated to register different International Certification programs such as Oracle and Cisco to upgrade their technical knowledge.

Prof. Krishnanand Peer Team Member, IQAC enquired on different active learning practices adapted in the curriculum and also suggested some Active Learning Techniques (flipped classroom, Quiz etc.,)

Dr Siddhaiah, Principal, ANU College of Engineering asked regarding the process of implementing MOOCs course in the curriculum.

#### **ECE Dept.:**

Dr. K. Sri Rama Krishna, HOD, ECE, presented that, the department is creating conducive environment for the students and faculty to conduct research to strengthen the research potential of the department. He said that, more than 300 research papers are published in reputed national /international journals/conferences and research projects of worth nearly Rs. 3 crores were obtained from various funding agencies. He added that, centre of excellence in Telematics and Collaborative research lab with the help of University of West Alabama were established in the department for the benefit of students.

#### **EEE Dept.:**

Dr. P.V.R.L. Narasimham, HOD, EEE, presented that, the dept. is concentrating on Real time Product Development. For which the department has provided a project room, where required electrical components are available to students at free of cost. He said that, two industry experts are recruited as adjunct faculty to train faculty and students with respect to product development and new experimental setups. He also mentioned that, New Solar Laboratory is introduced and few experimental setups are developed on their own. More than 75% of student projects are hardware related, some of them are I-V and P-V tracers using Aurdino boards, Verification of insolation effect on PV panels, Identification of faulty panel in a series and parallel connection.

Sri M. Rajayya suggested Dr. P.V.R.L. Narasimham to generate revenue through consultancy.

#### **EIE Dept.:**

Dr. G. N. Swamy, HOD, EIE, presented that, department is offering supplementary training programs Industrial Process Instrumentation, Automation and Data Acquisition.

Over 626 students have completed certification in Process Instrumentation & Automation field.

#### **IT Dept.:**

Dr. Koteswara Rao Professor, Professor, IT, presented that, department is offering In-house training on domain knowledge and soft skills in various programming languages as well as arranging training programmes to students from Industry and Academicians from external agencies to achieve 100% Placement Record. Further, he said that, Collaborative Labs with IBM & Apple are established for the benefit of students, thereby for the improvement of placements.

#### **Mechanical Engg. Dept.:**

Dr. N. Vijaya Sai, HOD, ME, presented that, the department is offering technical support in characterization and analysis of Composite Materials by establishing centre of excellence in Composites funded by DST-FIST. 120 technical papers, 7 PhDs and 3 IPRs in the above field strengthens research activity carried out by the department.

He further added that, the department generated a revenue of Rs 9.0 lakhs through consultancy in the area of Composite Fabrication & Testing.

#### **Institutional Distinctiveness:**

Dr. M.V.S. Raju, Coordinator- IQAC, highlighted the Institute Distinctiveness as "Industry Collaborative Laboratories and Centre's of excellence are emphasized to realize the objectives of Outcome Based Education."

Dr Raju said that, Industry Collaborative Laboratories and Centre's of excellence are the added strength of their college and Principal Dr A.V.Ratna Prasad and Management are taking special interest for the establishment of Industry Collaborative Laboratories and Centre's of excellence in the campus. As an outcome, the college has established APPLE, DESSAULT SYSTEMS, CISCO, IBM, ORACLE as Industry Collaborative Laboratories; Composites Lab in association with DST- FIST, Video Analytics Research Lab in association with ADRIN, SIEMENS CoE in association with AP Skill Development Corporation, TIFAC CORE in association with DST as Centre's of excellence.

## **2. Any other item with the permission of the Chairperson**

Dr. P. Siddiah, Principal, ANU College of Engineering and Technology, informed to have collaboration with PRISM Center of ANU to get Project funding and also directed to have a MoU with AP Skill Development Corporation.

Prof. Krishnanand, ME, NIT Warangal suggested to form a Student Team to participate in National Level Project competitions like Smart India Hackathon.

Sri S.R.T. Rama Samy Vice-President, Efftronics Systems advised to include a course on Model Based Development in the curriculum to make efficient coding practice for Embedded Projects.

## Finally it is resolved

- that Quality Circles will be monitored for their effectiveness and success.
- to Implement action plan for Plastic free campus.
- that Heads of the departments are requested to prepare action plan to highlight their departmental distinctiveness and obtain better placements for the students.
- that the HODs of CSE and IT are directed to take necessary initiatives to implement coding practice on Model Based Development for Embedded Projects.

Dr. A. V. Ratna Prasad, Chairman, IQAC and Principal, VRSEC thanked all the members for their active involvement and constructive suggestions for improvement.

*MVR*

Dr. M V S Raju  
Coordinator- IQAC



*Dr. A.V. Ratna Prasad*

Dr. A.V. Ratna Prasad  
Chairman, IQAC &  
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