

04th April 2023

Minutes of 29th IQAC meeting

Minutes of the 29th Internal Quality Assurance Cell (IQAC) meeting held on Tuesday, 4th April 2023 in V.R.Siddhartha Engineering College at 10.00 AM. Dr. A.V. Ratna Prasad, Chairman, IQAC and Principal, welcomed the external and all internal members of IQAC. He called for the meeting and conducted the proceedings.

Members Present:

- Chairman:** Dr. A.V. Ratna Prasad, Principal, V.R. Siddhartha Engg. College.
- Senior Administrative** Dr. Ch.Baby Rani, Associate Professor, HoD-Maths
Sri M. V. Saibabu, Administrative Officer
- Teachers:** Dr. N. Vijaya Sai, Professor & Head, ME
Dr. P.V.R.L.Narasimham, Professor & Head, EEE
Dr. Ch. Anuja Asst Professor, CE
Sri V Naga Prudhvi Raj, Associate Professor, EIE
Dr. A. Srisaila Asst Professor, IT
Dr. D. Rajani, Assistant Professor, Maths
Mr. R. Rama Krishna, Asst. Prof., MCA
Mrs V. Madhulatha, Asst.prof., MBA
- Student:** Mr. K. Kalyan Suhas (208W1A1226), IT
- External Peer Team:** Dr. L. Krishnanand, Professor, ME, NITW, Warangal
- IQAC Coordinator:** Dr. M V S Raju, Professor, CE
- Special invitees:** Dr. D. Venkata Rao, Professor & Head, ECE
Dr. Ch.Srinivas, Professor & Head, CE
Dr. G. N. Swamy, Professor & Head, EIE
Dr. T.Anuradha, Professor & Head (incharge), IT
Dr. S.Vasavi, Professor & AIDES, Head (incharge), CSE
Dr. B.Raghava rao, Professor, ME
Dr. V.Esther Jyothi, Head (incharge), MCA
Dr. D.Sridevi, Asst. Prof., English
Dr. S.Srinivasa Rao, Professor & Head, Chemistry

Dr. A.V. Ratna Prasad, Chairman, IQAC and Principal, welcomed all the external and internal members of IQAC. He requested the IQAC Coordinator to proceed the meeting.

Dr. M V S Raju, IQAC coordinator, highlighted the latest institute achievements, after welcoming the external and internal members of IQAC.

Dr. A V Ratna Prasad showcased the targets set in the strategic plan and initiatives taken to achieve them. He also presented the steps taken for improvement in Outcome Based Education, Industry Institute Interaction and Research & Development.

Later, Dr M V S Raju presented the agenda of 29th IQAC meeting, have been discussed and deliberated upon.

(A) Action taken report on the proposals of 27th IQAC meeting.

- 1) *Identification & subsequent strengthening of one major thrust area of Research in Emerging fields in every department by providing necessary infrastructural facilities & identifying competent faculty, to fulfill the “Make in India” and “Atmanirbhar Bharat”*
- 2) *Revamp of “Continuous (Internal) assessment pattern”.*

1. Identification & subsequent strengthening of one major thrust area of Research in Emerging fields in every department by providing necessary infrastructural facilities & identifying competent faculty, to fulfill the “Make in India” and “Atmanirbhar Bharat”

Dr M V S Raju presented the importance and need of identifying research area in emerging fields and enlightened how it will improve the quality research in the institution. He also clarified the implementing strategies and expected outcomes in terms of Quality Publications, Patents, innovative products, grabbing sponsored Research projects & research awards. He presented the Research thrust areas identified by the departments. He also elaborated the process of Project preparation and approval Mechanism, including budget allocation & utilization and outcome assessment.

Dr. A. V. Ratna Prasad, Principal suggested the HoD-ME and Dr B. Raghava Rao, Professor, ME to identify one more thrust area in the Department.

While appreciating the idea, Dr L. Krishnanand, Professor, Mechanical Engg. Dept., NIT, Warangal, suggested that the Mechanical Engg. Department can collaborate with the Mathematics department to carry out the research work.

2. Revamp of “Continuous (Internal) assessment pattern”.

IQAC Coordinator briefed the differences between the existing and the proposed pattern of Continuous (Internal) assessment, highlighting the Bloom’s Taxonomy levels through sample question paper for Sessional Exam, keeping the OBE in view.

Dr. Krishnanand added that it is important to have a proper rubrics for assessment and all faculty members should have knowledge of cognitive levels while preparing the syllabus as well as question papers.

(B) Issues discussed in 29th IQAC meeting

- 1) Streamlining – EPICS. The Projects should confine to societal problems with innovative solutions and reach targeted users*
- 2) Executing Industry / Institute (IITs/NITs) collaborative joint venture projects in all the departments.*
- 3) Refresher Training program on OBE (Focusing on Higher order knowledge levels, defining appropriate COs & setting higher PO attainment targets).*

1. Streamlining – EPICS. The Projects should confine to societal problems with innovative solutions and reach targeted users.

Dr. M V S Raju said that the EPICS is an opportunity to students for serving the community through their research projects. He explained the design process of EPICS and suggested some improvements, such as monitoring and assessment of projects by EPICS monitoring committee, conducting brain storming sessions, etc. for better projects. He highlighted some EPICS Projects carried out in institute.

He also stressed the need of exhibiting the best EPICS projects at State and National level competitions and suggested to telecast them in regional and National TV channels along with outcomes such as Paper publications and filing patents.

Dr. Krishnanad said that EPICS is a bridge between Technical Education and service to the society and uttered about origin of EPICS and their success in Purdue University.

Dr. S.Vasavi, Professor of CSE informed about their interaction with Purdue University and said how CSE department taking the suggestions from Dr. William Oaks, Professor of Purdue University.

Dr. A V Ratna Prasad requested the Core Engg. departments (CE, ME & EEE) to take more relevant problems to help the society and may be used them to develop innovative products. He also informed the financial support provided by the Management in product development.

Dr. Krishnanand inquired about the budget provided for the EPICS and also appreciated the efforts of the institute.

2. Executing Industry / Institute (IITs/NITs) collaborative joint venture projects in all the departments.

Dr. M V S Raju emphasized the necessity of collaborative joint venture projects in all departments with Institutes of repute to accelerate the research activities. He also suggested some techniques to establish collaborations with near by IITs, NITs and Industries.

He also informed the about collaborative projects in CSE, IT & ECE with ISRO, NRSC, EFFOTRONICS and AVANTEL and requested the EEE, EIE, CE & ME departments to focus seriously on such research projects.

Dr. Krishnanand, Professor of Mechanical, NITW appreciated the collaborations made by the CSE, IT and ECE. Dr. A V Ratna Prasad said that faculty need to spend some extra time after the college hours for the improvement of research activities.

3) Refresher Training program on OBE (Focusing on Higher order knowledge levels, defining appropriate COs & setting higher PO attainment targets)

Dr. M. V. S. Raju informed that the IQAC has proposed to conduct a Refresher Training program on OBE to update the skills and knowledge to a changed standard and further refinement in OBE practice wrt Knowledge levels and setting higher targets of POs. He also mentioned that IT department came forward to take the charge to organize programs on OBE.

Dr. Krishnanad said all the faculty members should thoroughly know about the OBE concepts for course design and CO-PO mapping. He also advised that teaching learning process must be strengthened to make OBE process fruitful. He suggested to use ChatGPT, flipped class room, etc. in teaching learning process.

Dr Rajasekhar, Professor, MBA, uttered the need of interdepartmental research projects and sustainable solutions in research useful to the society.

While Responding to Dr Rajasekhar, Dr. A. V. Ratna Prasad, principal said that the crux of EPICS projects is solutions to societal problems and giving mostly sustainable solutions. Dr MVS Raju added that 'sustainable solutions' is one of the POs as per OBE norms, being followed by all the programs.

Dr. A. V. Ratna, Principal & Dr MVS Raju, IQAC Coordinator thanked all the external and internal members for their participation and constructive involvement.

Finally it is resolved that

- *Every Engg department will present their identified major thrust area of Research before R&D committee (with external expert) headed by Principal and the satisfied research projects are submitted to the Management for their approval in the 1st Phase. (This project is in addition to the existing Research work being practiced in every department).*
- *The revamped Continuous (Internal) assessment pattern is approved to implement to meet the OBE guideline more appropriately from the first year 2022-23 batch.*
- *The topics of the EPICS projects should be appropriately selected for the benefit of community and assessed at regular intervals for their progress by an appointed committee in every Engineering department*
- *The selected best EPICS project is exhibited on prominent platforms and telecasted in regional TV channels.*
- *All departments are directed to work towards collaborative joint venture research projects and try to get Rs 20 to 50 lakhs worth of projects per annum.*
- *It is decided to organise a refresher program on OBE and IT department is directed to organise the program in April 2023.*


Dr. M. V. S. Raju
IQAC Coordinator


Dr. A. V. Ratna Prasad
Principal & Chairman