

29th Sept. 2023

Minutes of 31st IQAC meeting

Minutes of the 31st Internal Quality Assurance Cell (IQAC) meeting held on Friday, 29th Sept. 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. B.Pandu Rangarao, Dean – Student Affairs, VRSEC

Dr. Ch.Baby Rani, Associate Professor, HoD-Maths

T.S.R. Chowdary, Exam Section Incharge, VRSEC

Sri MV Saibabu, Administrative Officer

Sri M. Sreeramulu, Librarian, VRSEC

Teachers:

Dr. N. Vijaya Sai, Professor & Head, ME

Dr. P.V.R.L.Narasimham, Professor & Head, EEE

Mr. A. Ravi Raja Asst Professor, ECE

Dr.D.Rajani, Asst. Prof., Maths

Dr. M.Bala chennaiah, Asst Professor, ME

Dr. Ch. Anuja Asst Professor, CE

Sri V Naga Prudhvi Raj, Associate Professor, EIE

Dr. A. Srisaila Asst Professor, IT

Mr. R. Rama Krishna, Asst. Prof., MCA

Student:

Mr. K. Kalyan Suhas (208W1A1226), IT

External Peer Team: T.V.N.A Ratna Kumar, Hydrology Investigation, Chief Enginee

L.Krishnanand, Professor, NIT Warangal

Sri.S.R.T Ramasamy, Vice-President, Efftronics system Pvt. Ltd

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. D.Rajeswara Rao Professor & Head, CSE

Dr.G.N.Swamy, Professor & Head, EIE
Dr.S.Vasavi, Head, AI&DS
Dr.M.Suneetha, Professor & Head , IT
Dr. V.Narasimha Rao, Professor, MBA
Dr. G.Anuradha, Associ.Professor, CSE
Dr. V.Esther Jyothi, Head (incharge), MCA
Dr.G.Sridevi, Professor & Head, Physics
Dr. B.Neelambaram, Asst. Prof., English
Dr. D.Sridevi, Asst. Prof., English
Dr. S.Srinivasa Rao, Professor & Head, Chemistry
Dr. G.Sridevi, Prof., Physics
Dr. K.Narendra, Associ.Prof. of Physics & NSS Coordinator
Dr.G.V.R. Subbarao, Associate Professor, CE
S.V.R. Lakshmi Kumari, Associate Professor, EEE
Dr.S.Suhasini, Associate Professore,IT
Ch.Venkata Prasad, Assistant Professor, ME
Dr.M.V.D.N.S. Madhavi, Assistant Professor, Maths
Dr.M.Durga Bhavani, Assistant Professor, 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 with the meeting.

Dr M V S Raju, Coordinator IQAC, presented the following agenda of 31st IQAC meeting to deliberate upon, after introducing Sri TVNA Ratna Kumar, Chief Engineer, Hydrology Investigation & Dam Safety, Water Resource Department as a new member of IQAC.

(A) Action taken report on the proposals of 30th IQAC meeting.

1. *Attention on improving Granting of Patents in proportion to publishing.*
2. *Academic Bank of Credits – Implementation*

1. Attention on improving Granting of Patents in proportion to publishing.

Dr. M.V.S. Raju emphasized the ultimate aim of patent filing, which is Granting & Commercialization, besides pointing out that there is no weightage for Design Patents & Copy rights in NIRF Ranking. He presented the status of patents and suggested recommendations to go

beyond patent Publications. He highlighted some common reasons for not reaching to the granting level, which are received from the Heads of departments and suggested solutions to overcome those hurdles. He requested HODs to make a note of the status of patents and motivate the faculty on case to case basis to bring them up to granting and commercialization level.

Dr.Krishnanand, Professor, NITW appreciated the efforts made by the IQAC and the departments on patenting. He added the difficulties in getting patents in the Core Engineering branches. For which, Dr. M.V.S. Raju responded that the institute is helping the applicants by providing the required financial assistance.

Dr. MVS Raju emphasized that it is the time to focus on Granting and Commercialization and all the faculty and Heads need to take the necessary steps from filing to granting & Commercialization seriously.

Dr. A V Ratna Prasad, Principal added the importance of having patents in NIRF ranking and other accreditation processes.

2. Academic Bank of Credits (ABC) – Implementation

While enlightening the process of Academic Bank of Credits (ABC) from student registration to credit transfer, Dr Raju said that the implementation of Academic Bank of Credits is mandatory requirement as per NEP-2020 in all HEIs and further continued. He also informed that the Institution fulfilled all the requirements as per the deadlines given by the Andhra Pradesh State Council of Higher Education for the implementation of ABC.

(B) Issues discussed in 31st IQAC meeting

- 1. Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.*
- 2. Creating & maintaining student's tempo from the 1st year, required for subsequent years*

1. Impact of Academic Audit on expected outcomes, do the departments really achieving what they are expecting.

Dr. M.V.S. Raju enlightened the role of academic audit for improving the rank in NIRF, NAAC and NBA and said that it is a comprehensive document prepared keeping the important metrics of accreditation & National ranking agencies, in view. He stressed the importance of various parameters under each criteria of the AA while demonstrating them. Further, he uttered that Institution is looking for comprehensive development of all departments, besides R&D. He also

said that audit is not just filling the columns where the department has information and leaving the others / filling with some standard words like Nil, Yes, No, etc. It is such an important document for all departments to review throughout the year for excellence of the departments. Further he requested the departments to focus on the identified lapses and provide a mechanism to overcome them. He also recollected the guidelines stipulated by IQAC in 2021 for the effective execution of Academic Audit and finally said that the HoDs have to take responsibility for effective implementation of AA in their departments.

Dr. Krishnanand, Professor, NITW enquired about the EPICS Projects, saying that they are one of the sources of getting patents at grass root level innovations and suggested to invite innovators to campus to conduct a brainstorming sessions to students & faculty to inculcate the a culture of innovation. He also suggested some experts for EPICS those who are working as National Rural Innovators (Mr. Pogulu Ganesh and Mr Anil Gupta) to invite. In response, Dr AV Ratna Prasad expressed his willingness to invite them to the Institution.

Dr. Rajeswara Rao, HOD CSE added the steps taken in motivating the students to participate in Hackathons and their student's success in Hackathons.

2. Creating & maintaining student's tempo required for subsequent years, from the 1st year

Dr MVS Raju emphasized the need of using student temperament in first year wrt their enthusiasm in doing something innovative by narrating and comparing with a newly caught elephant's attitude for a circus and said that this is the intension of putting this agenda. Student will enter from intermediate to Engineering with lot of enthusiasm in doing something innovative but their first year end up with routine classes. He stressed the importance of driving the students towards active learning and creating awareness on innovative activities which are practiced in subsequent years, in first year itself, beyond routine teaching-Learning process, such as innovative product development, paper presentation, publications and online certifications, Hackathons, Start-up activities, Entrepreneurship, Patents, EPICS, Mini & major projects, identifying community problems, solutions, taking advantage out of Minors / Honours, etc. He also suggested an action plan- having one faculty as a coordinator from every department, setting goals for 2nd, 3rd and 4th year of study in the 1st year itself, allotment of one hour weekly in time-table, Organizing programs and brain storming sessions once in a month, linking this activity to proctor system, Identifying such students from 1st year, Quarterly monitoring by HoDs & Coordinators and Recording of minutes.

Dr. Krishnanand, Professor, NITW, suggested to provide design thinking course in the first year and to establish studio which will help the students to implement their innovative ideas.

Sri Ramasamy, Vice President, Effortronics Ltd, briefed the challenges in product development from innovative ideas and he suggested to invite the senior students who have established start-ups to share their experiences with the first year students.

Sri Ratna Kumar, Chief Engineer, Water Resource Department appreciated the Dr.M.V.S. Raju for his way of explanation on each and every point and the commitment of IQAC for quality enhancement. He suggested an Internal quality committee to monitor the patenting process and to invite the experts once per a week from industry to enlighten the students on opportunities available.

Dr AV Ratna Prasad, Principal concluded the meeting by saying that lets fix some slots for external members (alumni, industry, social reformers) to conduct the sessions for managing the student tempo. This will also help to enhance the student personality and their communication skill. Academic audit should be taken more seriously and departments should identify the weakness and a mechanism should be provided to improve the quality in all parameters.

Dr. A. V. Ratna Prasad, Principal & Dr M.V.S.Raju, IQAC Coordinator, Dean – R&D thanked all the external and internal members for their participation and constructive involvement.

Finally it is resolved

- *that Heads of the departments are directed to seriously monitor each and every step after publication of patents till granting and then commercialization.*
- *that the Nodal Officer, ABC directed to implement and continue Academic Bank of Credits (ABC) in the Institute, as per NEP-2020 guidelines.*
- *that Academic audit should be taken more seriously and departments should identify their weakness and address them by adopting a suitable mechanism to improve the quality in all parameters.*
- *that AA audit parameters are to be monitored in every quarter by the HoD strictly following the guidelines(again will be circulated soon) issued in 2021by IQAC.*

- *that driving the students towards active learning and creating awareness, in first year itself, on innovative activities, which are practiced in subsequent years such as innovative product development, paper presentation, publications and online certifications, Hackathons, Start-up activities, Entrepreneurship, Patents, EPICS, Mini & major projects, identifying community problems, solutions, taking advantage out of Minors / Honours, etc.*
- *that for maintaining student's tempo from the 1st year following the suggestions made by IQAC, first year coordinators are directed to develop a suitable mechanism which is approved by the Principal & Heads of Engg. Depts.*

MVR

Dr. M. V. S. Raju
IQAC Coordinator

Drp

Dr. A. V. Ratna Prasad
Principal & Chairman