

# SIDDHARTHA

## ACADEMY OF HIGHER EDUCATION

### DEEMED TO BE UNIVERSITY

(Under Section 3 of UGC Act, 1956)

Kanuru, Vijayawada - 520 007, AP. [www.vrsiddhartha.ac.in](http://www.vrsiddhartha.ac.in)

91 866 2582333  
866 2582334  
866 2584930

5<sup>th</sup> March, 2025

### Minutes of 2<sup>nd</sup> IQAC meeting

Minutes of the 2<sup>nd</sup> Internal Quality Assurance Cell (IQAC) meeting held on Wednesday, 5<sup>th</sup> March, 2025 in Siddhartha Academy of Higher Education, (Deemed to be University), at 10.00 AM. Prof. P.Venkateswara Rao, Chairperson, IQAC and Vice Chancellor, welcomed the external and all internal members of IQAC. He called for the meeting and conducted the proceedings.

#### Members Present:

<b>Chairperson</b>	:	Dr P. Venkateswara Rao, Chairperson, IQAC and Vice Chancellor, Siddhartha Academy of Higher Education, (Deemed to be University)
<b>Senior Administrative Officers</b>	:	Dr A.V.Ratna Prasad, Pro Vice Chancellor Dr M.Ravichand, Registrar Mr. M Sai Babu Deputy Registrar Dr T.Anuradha, COE Dr D.Venkata Rao, Dean, School of Engineering Dr M.Suneetha, Dean, Research, Technology, Development & IQAC
<b>Teachers</b>	:	Dr P.V.R.L.Narsimham, Dean, Examination and Evaluation Dr D.Rajeswara Rao, Dean, Industry Relations Training & Placement Dr G.N.Swamy, Dean, Student Affairs and Admissions Dr N.Ravi Kumar, Professor, HOD, ME Department Dr V.Mallikarjuna, Associate Professor, HOD, CE Department Dr D.Madhulatha, Associate Professor, Mathematics Department Dr K.Raghuveer, Senior Assistant Professor, MBA Department Dr M.Gargi, Assistant Professor, IT Department
<b>Employers/Industrialist / Stakeholders</b>	:	Shri Chelikani V T E V Prasad Rao, Delivery Head, Niche Technologies, Hyderabad Shameer Basha Y, Manager Analog Port, Hyderabad Dr A.Venugopal Rao, Professor, Department of ME, NITW, Warangal
<b>Local Society, Students and Alumni</b>	:	Dr B.Paparaao, Sr. Consultant Joint Replacement, Arthroscopy & Sports Specialist Surgeon, Kamineni Hospitals Vijayawada Mr. Basava Mohan Kumar, Asst. CIDO/ERP(transmission corporation of A.P)



	B.Udita, 238WIA05K3, II Year CSE P.Veeranjaneyulu, I Year B.Com
<b>IQAC Coordinator and Co-Coordinators :</b>	Dr E. Laxmi Lydia, Professor, IQAC Coordinator Dr CSS Anupama, Associate Professor, IQAC Co-Coordinator Dr Lakshmi Keshav, Associate Professor, IQAC Co-Coordinator
<b>Special invitees :</b>	Dr. A. Vittaleswar, Dean, Schools of MLSAC Dr S.Srinivasa Rao, Associate Professor, Chemistry Department Dr G.Sridevi, Associate Professor, Physics Department Dr. Dr. K Purna Chandra Rao, HOD, MCA Department Dr. A Sreeram, HOD MBA Department Dr. Ch. Baby Rani, HOD Maths Department Dr K. Narendra, Associate Professor, Physics Department Dr. Neelambaram B, Assistant Professor English Department Dr. G Anuradha, Associate Professor, CSE Department

The chairperson commenced the meeting by emphasizing the critical role of the IQAC in driving institutional progress and aligning its activities with both national and institutional priorities. He then requested the IQAC Coordinator to proceed with the meeting.

The following agenda items were discussed and deliberated upon.

**(A) Action taken report on the proposals of 35<sup>th</sup> IQAC meeting.**

The IQAC Coordinator presented the action taken report, summarizing progress on key initiatives

**1. Strengthening Outreach Programs for Community Development through National Schemes**

Various departments of V.R.School of Engineering conducted outreach programs with the following objectives

- Addressing social, economic, and environmental issues.
- Strengthening collaboration between academia and local communities.
- Enhancing the institution's role in societal development through national initiatives.

**List of outreach programs conducted by V.R. School of Engineering**

**1. Civil Engineering Department**

- **Rainwater Harvesting Awareness@** STBL-LM Gardens, Penamaluru.
- **Road Safety Awareness @** NH 65 near Kanuru.
- **Traffic Awareness & Rules Education @** Z.P. High School, Poranki.

## **2. Electronics and Communication Engineering Department**

- **Safe Usage of Social Media Awareness @ MPUP School, Pedapullipaka.**

## **3. Mechanical Engineering Department**

- **Fuel Efficiency Awareness @ Kanuru and Poranki.**
- **Road safety @ Kanuru**
- **Voters day @ Kanuru and Poranki**

## **4. Master of Computer Applications Department**

- **Tech Support for Schools – Awareness & Orientation Session @ Z.P. High School, Pedaravvuru-Tenali.**

## **5. Information Technology Department**

- **AI Bootcamp for High Schoolers – Dive into the Future of Tech @ KCP Adarsh Siddhartha Public School, Kanuru.**

### **Impact of the Outreach Programs:**

The outreach programs have significantly contributed to fostering community engagement and raising awareness about various social, environmental, and technological issues.

- The **rainwater harvesting awareness drive** has emphasized sustainable water management
- **Road safety awareness programs** helped instill responsible behavior among commuters.
- Initiatives on **road safety, fuel efficiency, social media security, and water conservation**, educated and empowered local communities.
- The **AI boot camp and tech support sessions for schools** played a crucial role in bridging the digital divide and equipping students with essential technological skills.

Through these initiatives, **V.R.School of Engineering** has strengthened its connection with society, ensuring that academic expertise is effectively utilized to address real-world challenges.

## **2. Advancing industry-institute relation through translational research**

The institution has actively strengthened its industry-institute relations by engaging in **translational research initiatives** across multiple departments

- The **Civil Engineering Department** has contributed to critical infrastructure projects, including **ground improvement designs for reinforced soil retaining walls and road**



over bridges (ROBs) in Andhra Pradesh, in collaboration with **Trenzet Infra** and **Vallabhaneni Constructions**.

- The **Electronics and Instrumentation Engineering Department** has undertaken impactful projects, such as the development of a **PLC SCADA-based water supply monitoring system** and a **handheld portable ultrasound system**, in partnership with **Microsys Automation**.
- The **Mechanical Engineering Department** has undertaken impactful projects, such as **Analysis of Variable Cross Section Composite Pressure Vessel**, in collaboration with **Ramesh's Aerospace Products & Services (RAPS) Pvt. Ltd.**

These industry-driven projects, supported by significant funding, reflect the institution's commitment to applying academic expertise to real-world problem-solving and fostering industry collaboration for technological advancements

#### **(B) Issues discussed in 2<sup>nd</sup> IQAC meeting**

1. **Adoption of NAAC accreditation criteria for transitioning from Autonomous Institute to Deemed-to-be University status.**
2. **Enhancing Teaching-Learning Methods Aligned with Pedagogical Innovations of NEP-2020**
3. **Any other with permission of chairperson.**

#### **1. Adoption of NAAC accreditation criteria for transitioning from Autonomous Institute to Deemed-to-be University status.**

The following strategies have been proposed, to enhance the institution's performance in the NAAC evaluation:

1. **Establish Research Centres:** Create Centers of Excellence (CoEs) focussing on emerging fields such as Artificial Intelligence (AI), Quantum Computing and Cybersecurity.
2. **Strengthen Industry-Academia Collaboration:** Partner with leading organizations like TCS, Infosys, Microsoft and DRDO to secure research funding and project opportunities.
3. **Promote Student-Led Research:** Encourage undergraduate (UG) and postgraduate (PG) students to publish research papers in reputed journals and participate in conferences.
4. **Leverage Digital Tools:** Implement AI-based academic analytics tools to track student learning outcomes and enhance educational effectiveness.



5. **Enhance Documentation:** Maintain comprehensive records of research activities, publications, patents, and Memorandums of Understanding (MoUs) to ensure seamless presentation during NAAC evaluations.

By implementing these strategies, the institution aims to **strengthen research output, foster industry partnerships, and enhance academic excellence**, ultimately improving its NAAC accreditation score.

## **2. Enhancing Teaching-Learning Methods Aligned with Pedagogical Innovations of NEP-2020**

The IQAC coordinator outlined key pedagogical strategies that our university should implement to enhance teaching-learning processes.

**Experiential Learning:** By integrating experiential learning through lab-based experiments, simulations, fieldwork, internships, community engagement projects the institution can enhance employability, innovation, and holistic education in alignment with NEP 2020's vision of a dynamic, application-based learning system.

**Multidisciplinary and Holistic Learning:** By implementing interdisciplinary courses, collaborative projects, Choice-Based Credit System the institute can create versatile graduates in alignment with NEP 2020's emphasis on multidisciplinary education.

**Digital and Online Learning (EdTech Integration):** By leveraging Learning Management Systems (LMS), AR/VR simulations, SWAYAM, NPTEL, Coursera, and edX, the institute can enhance personalized learning and skill-based education in alignment with NEP 2020's vision of experiential learning, and employability in a digital era.

**Flexible and Modular Learning Paths:** By implementing the Academic Bank of Credits (ABC) the institution can enhance accessibility and lifelong learning, aligning with NEP 2020's vision of flexible education pathways.

**Vocational and Skill-Based Learning:** By offering domain-specific skill courses in collaboration with industry partners viz industry certification programs in IT, healthcare, AI, blockchain, and cybersecurity, the institution can enhance employability, aligning with NEP 2020's goal of bridging education with industry needs.

**The following members shared valuable suggestions during the meeting**

1. **Prof. P. Venkatewara Rao**, Chairperson, IQAC and Vice Chancellor emphasized the need for students to actively engage in identifying societal problems and developing technical solutions.



2. **Dr D.Venkata Rao**, Dean, School of Engineering, highlighted the importance of evaluating teaching methods using well-defined assessment metrics.

3. **Dr A.Venugopal**, Professor, Department of ME, NITW, Warangal, suggested developing a structured evaluation framework to assess the effectiveness of teaching methodologies

4. **Dr. M. Suneetha**, Dean of Research, Technology Development, and IQAC, suggested conducting a Faculty Development Program on the implementation of the National Education Policy (NEP) in the teaching-learning process, focusing on pedagogical innovations and the use of technology in teaching.

5. **Dr. A. Vittaleswar**, Dean, Schools of MLSAC, proposed the creation of an idea pool where students from different disciplines can contribute innovative solutions to identified problems.

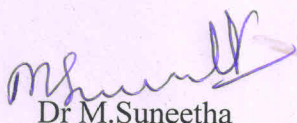
6. **Shri Chelikani V T E V Prasad Rao**, Delivery Head, Niche Technologies, Hyderabad, emphasized that departments should prioritize showcasing research that aligns with real industry needs, instead of focusing on consultancy projects.

7. **Shameer Basha Y**, Manager Analog Port, Hyderabad, suggested collaborating with industries to identify key areas of research that have direct applicability in the field

Prof. P.Venkateswara Rao, Chairperson, IQAC and Vice Chancellor, thanked all the external and internal members for their participation and constructive suggestions.

#### Finally it is resolved

- To transform teaching-learning with NEP-2020, the institution must adopt flexible and technology-driven approaches to enhance learning outcomes.
- To conduct Faculty Development Program on the implementation of the National Education Policy (NEP) in the teaching-learning process, focusing on pedagogical innovations and the use of technology in teaching.
- To achieve institutional growth and accreditation, universities and colleges should adopt pedagogical innovations that lead to higher NAAC accreditation and academic excellence.
- For institutional growth and better accreditation, universities and colleges should adopt innovative teaching practices that lead to higher NAAC scores and academic success.

  
Dr M.Suneetha

Dean IQAC

**DEAN**

Research, Technology Development & IQAC  
V.R.Siddhartha Engineering College  
Deemed to be University  
VIJAYAWADA-520 007

  
Prof. P.Venkateswara Rao

Chairperson, Vice Chancellor

**Vice Chancellor**  
**Siddhartha Academy of Higher Education**  
(Deemed to be University)  
Vijayawada 520 007