

# Gokaraju Rangaraju Institute of Engineering and Technology (Autonomous)

### Bachupally, Hyderabad-500090, Telangana State, India

# Minutes of 15th Internal Quality Assurance Cell Meeting

15<sup>th</sup> IQAC meeting was convened on 29 December 2020 (Tuesday) at 14:00 Hrs. in online mode using Google Meet Platform and discussed the agenda points under the Chairmanship of Dr. J. Praveen, Principal, GRIET.

The following members were present.

| 1.  | Dr J. Praveen            | Principal, Chairman                                   |
|-----|--------------------------|---|
| 2.  | Dr. Jandhyala N Murthy   | Director, Member                                      |
| 3.  | Dr. K.V.S Raju           | Sr. Administrative Officer, Member                    |
| 4.  | Dr. A. Sai Hanuman       | Professor, Associate Dean Academic Affairs, Member    |
| 5.  | Dr. Ch. Mallikarjuna Rao | Professor, Controller of Examinations, Member         |
| 6.  | Dr. Swadesh K Singh      | Professor, Associate Dean R&D, Member                 |
| 7.  | Dr. C. Lavanya           | Professor, Associate Dean FDP, Member                 |
| 8.  | Dr. Y Vijayalata         | Professor, Associate Dean PAAC, Member                |
| 9.  | Sri P. Gopala Krishna    | Associate Professor, Associate Dean Publicity, Member |
| 10. | Dr. K Madhavi            | Professor, HOD CSE                                    |
| 11. | Dr. N Swetha             | Professor, HOD ECE                                    |
| 12. | Dr. J Sridevi            | Professor, HOD EEE                                    |
| 13. | Dr. K Prasanna Lakshmi   | Professor, HOD IT                                     |
| 14. | Dr. N. Satheesh          | Professor, HOD ME                                     |
| 15. | Dr. B Srinivasa Rao      | Professor, HOD H&S                                    |
| 16. | Ms. K Spurthi            | UNICEF Drinking Water Consultant, National Jal Jeevan |
|     |                          | Mission, Member                                       |
| 17. | Mrs. M Aruna             | Deputy Director, CII, Hyderabad, Member               |
| 18. | Sri V. Vijaya Rama Raju  | Associate Professor, Associate Dean IQAC, Member      |
|     |                          | Secretary   |

| S.No | Agenda          | Deliberations / Resolution                           | Action/<br>Info by |
|------|-----------------|--|--------------------|
| 1.   | To confirm the  | No comments were received on the resolutions made at | All                |
|      | minutes of the  | 14th IQAC Meeting held on 13 June 2020 at 10.00 a.m. | Members            |
|      | last Meeting of |  |                    |
|      | IQAC held on    | Members passed minutes of 14th IQAC Meeting held     |                    |
|      | 13 June 2020.   | on 13 June 2020.                                     |                    |

| 2. | To report the  | Member Se      | cretary present  | ed action taken report on the | ne All       |  |  |  |
|----|----------------|----------------|--|-------------------------------|--------------|--|--|--|
|    | action taken   |                | previous meeting minutes.  |                               |              |  |  |  |
|    | on the minutes | previous ine   |  |                               |              |  |  |  |
|    | of the last    | Members a      | nnroved ATR  | attached as Appendix 1        |              |  |  |  |
|    | meeting of     | Wichioel 5 d   | pprovedirin  | attachea as rippenant i       |              |  |  |  |
|    | IQAC held on   |                |  |                               |              |  |  |  |
|    | 13 June 2020.  |                |  |                               |              |  |  |  |
| 3. | To review the  | Associate I    | Dean Academic  | Affairs presented the detai   | ls All HoDs  |  |  |  |
|    | performance    |                |  | Semester, Course coverage     |              |  |  |  |
|    | in various     |                |  | YAM / NPTEL, Feedback for     |              |  |  |  |
|    | academic       |                | •  | w Academic Regulations, ar    |              |  |  |  |
|    | activities and |                |  | rams in UG from AY: 2020-2    |              |  |  |  |
|    | feedback       |                | I CO-PO Attainments of AY:2019-20 I and II semesters.                                    |                               |              |  |  |  |
|    | analysis:      |                | embers reviewed the activities presented by the  |                               |              |  |  |  |
|    | dian's sist    |                |  | ic Affairs and advised th     |              |  |  |  |
|    |                | following:     | _ Julia 120uudii   | while was report to           |              |  |  |  |
|    |                | 0              | lowing: Encourage the faculty of newly introduced courses                                |                               |              |  |  |  |
|    |                |                | like AI&ML, CSBS and DS to undergo training in   |                               |              |  |  |  |
|    |                |                | the core technical areas before the next semester  |                               |              |  |  |  |
|    |                |                | commences.   |                               |              |  |  |  |
|    |                | ii) Excel te   | Excel template with macros developed for CO-PO   |                               |              |  |  |  |
|    |                | *              | •  | s was reviewed and suggeste   |              |  |  |  |
|    |                |                |  | ld values after conducting    |              |  |  |  |
|    |                |                | brainstorming meeting with the HoDs and Deans.   |                               |              |  |  |  |
|    |                |                | Monitor the implementation of active learning  |                               |              |  |  |  |
|    |                |                | techniques in teaching and learning process.   |                               |              |  |  |  |
| 4. | To review the  |                |  | s presented the conduction    | of Associate |  |  |  |
|    | student        |                |  | Examinations as per th        |              |  |  |  |
|    | performance    | guidelines     | given by JNTU  | JH and AICTE by taking th     | ne COE       |  |  |  |
|    | in academics:  | precautional   | •  | , ,                           |              |  |  |  |
|    |                | •              | • •  |                               |              |  |  |  |
|    |                | <b>Members</b> | Members appreciated COE and his team for   |                               |              |  |  |  |
|    |                | successfully   | uccessfully conducting the examinations and  |                               |              |  |  |  |
|    |                | evaluation     | evaluation offline following all COVID-19 precautions.                                   |                               |              |  |  |  |
|    |                | They hav       | They have suggested to continue the same precautionary measures and conduct the upcoming |                               |              |  |  |  |
|    |                | -              | _  |                               |              |  |  |  |
|    |                | Semester-I     |  |                               |              |  |  |  |
| 5. | To review the  | Associate      | <i>'</i>   | ±                             | of           |  |  |  |
|    | improvement    | improvemen     |  |                               |              |  |  |  |
|    | in quality     | Received, co   | Dean   |                               |              |  |  |  |
|    | publications   | Research S     | R&D  |                               |              |  |  |  |
|    | and research   | S.No           | S.No Details Achievements  |                               |              |  |  |  |
|    | grants from    | 1              | Quality  | 50 Scopus Indexed and         |              |  |  |  |
|    | various        | 1              | Publications   | 2 SCI.                        |              |  |  |  |
|    | organizations: | 2              | Research   | 38.066 Lakhs                  |              |  |  |  |
|    |                |                | Grants   | 20.000 241110                 |              |  |  |  |
|    |                | 3              | Consultancy  | 20 Lakhs                      |              |  |  |  |
|    |                |                | Works  |                               |              |  |  |  |
|    |                |                |  |                               |              |  |  |  |

Members appreciated the faculty for increased publications in SCOPUS and SCI Journals. Advised the following:

- i) Maintain the publications momentum to improve the NIRF ranking.
- ii) Encourage interdisciplinary projects.
- iii) Change the thresholds for publications/AY to the following:

| S. No | Designation  | SCI           | Scopus |
|-------|--------------|---------------|--------|
| 1.    | Professor    | 1             | 2      |
| 2.    | Assoc. Prof. | 1             | 2      |
| 3.    | Asst. Prof.` | Not Mandatory | 2      |

6. To review the outcome of faculty development training programs conducted to improve their subject domain and pedagogical skills:

Associate Dean FDP presented the details of Faculty Development Programs attended and conducted by faculty in each department. It was informed that there is a drastic increase in FDPs conducted and organized during COVID period. As per the AICTE policy, faculty under 5 years of experience are undergoing training by NITTTR in 8 modules.

Faculty Development Programs Attended:

|                           | _            |             |             |             |             |             |
|---------------------------|--------------|-------------|-------------|-------------|-------------|-------------|
| Name of the<br>Department | 2020-<br>21* | 2019-<br>20 | 2018-<br>19 | 2017-<br>18 | 2016-<br>17 | 2015-<br>16 |
| BSH                       | 339          | 701         | 72          | 103         | 69          | 130         |
| CE                        | 171          | 270         | 97          | 40          | 28          | 21          |
| CSE                       | 252          | 921         | 135         | 41          | 79          | 55          |
| ECE                       | 68           | 506         | 102         | 71          | 68          | 9           |
| EEE                       | 78           | 508         | 100         | 54          | 23          | 11          |
| IT                        | 348          | 721         | 148         | 65          | 27          | 12          |
| ME                        | 82           | 276         | 29          | 18          | 21          | 29          |
| Total                     | 1338         | 3903        | 683         | 392         | 315         | 267         |

Faculty Development Programs Organized:

| Name of the Department | 2020-<br>21* | 2019-<br>20 | 2018-<br>19 | 2017-<br>18 | 2016-<br>17 | 2015-<br>16 |
|------------------------|--------------|-------------|-------------|-------------|-------------|-------------|
| BSH                    | 0            | 20          | 3           | 1           | 0           | 2           |
| CE                     | 0            | 8           | 1           | 4           | 2           | 1           |
| CSE                    | 1            | 15          | 7           | 3           | 2           | 2           |
| ECE                    | 1            | 10          | 4           | 0           | 2           | 1           |
| EEE                    | 2            | 2           | 3           | 3           | 2           | 3           |
| IT                     | 0            | 9           | 7           | 5           | 6           | 4           |
| ME                     | 3            | 4           | 1           | 5           | 7           | 2           |
| Total                  | 7*           | 75          | 30          | 21          | 21          | 15          |

Associate Dean FDP

All HoDs

|    |   | <ul> <li>and Characterizati</li> <li>2nd International</li> <li>Manufacturing Asset &amp; EEE</li> <li>STTP programs (Text)</li> <li>FDP on Emerging by CSE</li> </ul>  | Conference on by ME al Conference spects for Street Phase Research Treet in column E han FDP   | te on Materials Processing rence on Design and Sustainable Energy by ME es) by EEE & ECE Frends in Computer science laboration with NITTTR,  |                            |
|----|---|---|--|--|----------------------------|
|    |   | Business Transford Data Science, Data Forensic, Program Augmented Realite  IT - AI For Extraction Techniques with Cyber Attacks and Data Science, Mander Interest of Techniques with Cyber Attacks and Data Science, Mander Interest of Techniques with Cyber Attacks and Data Science, Mander Interest of Techniques | mation with a Analytic mining with a Analytic mining with a Analytic mining with a Analytic mining with a Python, and Digital chine Learn as, AI & Dower System Everyone ture, Structainable Communication of Machining for Information and the partial chemistry the partial characteristics. | Advanced Deep Learning Blockchain Architecture, Forensics, Cyber security, ning and Computer Vision, tc. ing, Image Processing, eep Learning, etc. ems, Image Classifications, etc. tural Engineering, Water Instruction, etc. g, CAE Tools, Materials, Turbo Machinery Design, pology and Sustainability, |                            |
| 7. | To review the status of accreditation's and | Associate Dean GPA accreditation's and affili   | -  | sented the status of  Accreditation Status   | Associate<br>Dean<br>GPAAC |
|    | affiliations:                               | Electronics   | 1997   | First NBA Accreditation in 2006  |                            |

Reaccredited in 2009,

Engineering

| Mechanical<br>Engineering                | 1997 | 2014, 2017 and 2020<br>Valid upto<br>30,06,2023                                |
|--|------|--|
| Electronics & Communications Engineering | 1997 | 30.00.2023   |
| Computer Science & Engineering           | 1997 |  |
| Information<br>Technology                | 1999 |  |
| Civil Engineering                        | 2008 | First NBA Accreditation in 2016 Reaccredited in 2019 and valid till 30.06.2022 |

| PG Program                       | Start | Accreditation Status  |
|----------------------------------|-------|---|
| Design for<br>Manufacturing      | 2004  | First NBA Accreditation in 2016 and valid upto 30.06.2018                             |
| Power Electronics                | 2006  | First NBA Accreditation in 2016 and reaccredited in 2019 and valid upto 30.06.2022    |
| VLSI                             | 2006  |   |
| Computer Science and Engineering | 2007  | First NBA Accreditation in 2018 and valid upto 30.06.2020. Extension upto 30.06.2021. |
| Structural<br>Engineering        | 2014  |   |

## **UGC** Affiliation

- Valid upto the academic year 2019-20
- Application submitted for extension.

|    | 1             | NAAC (IALC  |           |
|----|---------------|---|-----------|
|    |               | NAAC ('A' Grade with CGPA 3.15)   |           |
|    |               | • Valid upto 31.12.2019   |           |
|    |               | Application submitted.  |           |
|    |               | rippiroution successive.  |           |
|    |               | Renewal of SIRO:  |           |
|    |               | • 01-04-2020 to 31-03-2023  |           |
|    |               | AICTE EoA: 2020-2021  |           |
|    |               | JNTUH Affiliation: 2019-20  |           |
|    |               | 2020-21 Not yet released.   |           |
|    |               | Members reviewed the status of accreditation's and  |           |
|    |               | affiliations and suggested to prepare an action plan for  |           |
|    |               | the upcoming accreditation visits and conduct a mock  |           |
|    |               | drill before the inspection teams visit.  |           |
| 8. | To review the | I I   | All HoDs, |
|    | status of     |   | Associate |
|    | student       | GRIET NSS/Green Campus/ Street Cause Activities:  | Dean      |
|    | activities:   | 2020-21:  | Student   |
|    |               | 1. Blanket distribution drive through NSS to the people   | Affairs   |
|    |               | on streets and food distribution to the daily wage  |           |
|    |               | labourer, security guards etc. during the COVID-19  |           |
|    |               | lockdown  |           |
|    |               | 2. Food distribution to the patient attendants at Osmania                                       |           |
|    |               | Hospital  |           |
|    |               | 3. Helping people at Dilshuknagar area, Hyderabad during floods.                                |           |
|    |               | 4. Financial contribution of ₹1Crore to PM care, and ₹25  |           |
|    |               | Lakhs to CM relief fund for COVID-19  |           |
|    |               | 5. More than 100+ blood donation and plasma for   |           |
|    |               | COVID-19 patients.  |           |
|    |               | 6. Harithaharam program at college.   |           |
|    |               | 7. Food and provisions donated to orphanages,   |           |
|    |               | intellectual challenge homes, old-age homes, slum   |           |
|    |               | areas also.   |           |
|    |               | GRIET Professional Bodies Students Awards 2020-21:  |           |
|    |               | • GRIET Received Utkirst Sansthan Viswakarma  |           |
|    |               | award from AICTE selected out of 35 institutions in   |           |
|    |               | India. and from Telangana only two colleges GRIET   |           |
|    |               | and Military college of engineering received this award.  |           |
|    |               | • IEEE GRIET SB received "IEEE Regional Exemplary  Student Promob Asygnd 2020" from global IEEE |           |
|    |               | Student Branch Award 2020" from global IEEE.  |           |
|    |               | • IEEE GRIET SB received the following 4 awards from  |           |
|    |               | IEEE Hyderabad Section for 2020   |           |
|    |               | ✓ IEEE Outstanding advisor award Dr.J.Praveen, Principal, PES Advisor GRIET                     |           |
|    | <u> </u>      | 1 Interput, I LO AUVISOI ORIEI  |           |

- ✓ IEEE Leading Student Branch award IEEE GRIET SB
- ✓ IEEE GRIET SB-PES, Outstanding Student Branch chapter award
- ✓ IEEE GRIET SB Outstanding Student Volunteer award Ch.Akash Reddy.

### **Proposed GRIET Student Body activities 20-21:**

- ISTE-GRIET-SB is planning to conduct MELA- Online this time and more virtual events.
- CSI planning to conduct Tech Talks-Git and GITHub, Cloud computing and AWS, Block chain & Crypto-Currency and student Coding events –Code debugging & Code Redundancy.
- IEEE-GRIET-SB has applied for the Awards and they are expecting the results and planning for online activities.
- ISACA proposing events based on Cyber security and Block Chain technologies events.
- IEI is planning to conduct more online events in the respective department wise.
- EDC is focusing on Business Quiz, Workshop on IPR, IPL Competition, E-Talks, Workshop on Socratic way of thinking, E-Course.
- IETE focusing on Blockchain technologies-based events in coming future.

### **Proposed GRIET Student Clubs activities 2020-21:**

- SAE-INDIA is planning to participate in BAJA and AERO Design challenge
- Quizzicals are planning Quiz with 5 scrambled questions everyday with time period and planning to implement "Spin The Wheel" Quiz Activity.
- FSW is focusing on to provide awareness on Free software in laboratories.
- Gaming Club is focusing on to conduct more competitions for the students.
- Robotic club is planning for task-based challenge and to come up with the GRIET product by the students.
- Rhythms/ Spices focusing on conducting online events. **Green Campus Events:**

| S.No | Date                          | Event                              | <b>Participants</b> |
|------|-------------------------------|------------------------------------|---------------------|
| 1    | 07-05-2020                    | Plantation                         | 80                  |
| 2    | 23-07-2020                    | Haritha Haram                      | 120                 |
| 3    | 08-07-2020                    | How to grow our own kitchen garden | 70                  |
| 4    | 19th - 22nd<br>August<br>2020 | Green Ganesha idol<br>distribution | 150                 |

Members appreciated the NSS wing for actively

|     |  | COVID-<br>floods. The brining Associate all the or conduct precautic conductions.                   | ating in the social welfard. 19 pandemic as well as of they have also appreciated laurels to the institute e Dean Student Affairs was ther professional bodies and the co & extracurricular actions. Also advised to contining 1 guest lecture/ month brom society and ensure more mini.  | during Hyderabad<br>the IEEE team for<br>at various levels.<br>advised to activate<br>encourage them to<br>tivities following all<br>ue the tradition of<br>by inviting eminent                                   |   |
|-----|--|---|---|---|---|
| 9.  | Dissemination of information on various quality initiatives to all stakeholders: | from var<br>He has in<br>MHRD,<br>2nd Ran<br>Rankings<br>Member<br>for getti<br>same. M<br>best pra | e Dean Publicity presented resious organizations and achievatormed that GRIET received GOI India Rankings 2020, Alk in Telangana in "EW India 2020-21" by Education Works appreciated the efforts of a sing recognition and advise tembers advised AD Publicity actices followed in the campuse among the stakeholders.   | vements by Faculty. 172 rank in NIRF by 1 India 14th Rank & a Higher Education ld.  all the stake holders ed to continue the ty to popularise the   | All HoDs,<br>Associate<br>Dean<br>Publicity |
| 10. | Perspective planning for Civil Works:  |   | If of HOD Civil Dr. C. Lav Construction activity details.  Works Completed Hostel Building WIP - Tiles Earthwork for Staff Quarters Electrical Pole Hostel WIP - Excavation work of KG Block Gravel - New Hostel HT and LT cable Lab Equipment Civl WIP - Loading Frame Labour Charges Electrical LT Panel Substation 1 WIP Substation 4 WIP Substation Fabrication work Substation 3 WIP Tiles SVRM Infra Transformer  Total | Amount Spent 4,98,716.00 16,000.00 12,75,431.00 37,62,288.00 32,400.00 17,06,574.00 7,87,500.00 3,89,965.00 56,14,263.00 6,83,867.00 8,58,160.00 12,74,589.00 6,17,171.00 4,69,680.00 28,32,000.00 2,08,18,604.00 | CEO<br>HOD-CE                               |

# 11. Review of Quality Initiatives and adoption of best practices:

Associate Dean IQAC presented the Quality Initiatives taken by GRIET-IQAC.

- 1. Brain storming sessions conducted with HoDs and Deans to prepare Strategic Plan for 2021-2026
- 2. Review meeting was conducted to evaluate the performance of the common interested groups.
- 3. One to one meeting conducted with Ph.D. holders to encourage research and suggested to extend hand holding for those pursuing Ph.D.
- 4. Registered with Internationally reputed organizations like Coursera, NPTEL, SWAYAM, ATAL Academy, etc. to upgrade the subject domain and pedagogical skills of faculty.
- 5. Successfully moved on to online teaching with Google Classroom based Newton software.
- 6. Organized training programs on Active Learning (AL) techniques like TPS, Flipped Classroom and AL tools like Google classroom, Plickers, Mentee, Padlet, Edpuzzel, etc.
- 7. Started B.Tech-Computer Science and Business System, B.Tech-CSE (Artificial Intelligence and Machine Learning), B.Tech-CSE (Data Science) and M.Tech- Data Science courses from AY 2020-21
- 8. Working with "Internshala" an internship and training platform for students
- 9. To strengthen the Alumni Institute connect, HoDs are advised to arrange collaborative programs with prominent alumni. Also proposed to purchase alumni management software to keep track the Alumni.
- 10. Proposed Mentoring the Mentor (M&M) program to guide the faculty to better understand the difficulties faced by the students during this pandemic and help them.
- 11. Suggested to conduct sessions with psychological counselors on topics such as stress management, relationships, and grief during this pandemic situation. Proposed to establish a full-fledged Higher Studies and Competitive Examinations Center (HSCE) for guiding students for Higher Studies and Competitive Exams.
- 12. Encouraging students to do certification courses from second year itself, on programming languages like JAVA, Python and a course on Data Structures from NPTEL to improve the placement opurtunities.

Members appreciated for the ADIQAC for the quality initiatives and advised to continue the efforts in maintaining the

- ATRs on faculty feedback
- Remedial classes

All Members

Associate Dean IOAC

|         |                                 | <ul> <li>Course Files and Lab Manuals</li> <li>Setting up an Audio-Video Recording Centre</li> <li>Arranging CEO Speak Sessions</li> </ul>  |   |
|---------|---------------------------------|---|---|
| 12.     | Any other points for discussion | <ul> <li>Arranging CEO Speak Sessions         Members discussed about the prevailing conditions of COVID and importance and priority of health and safety of students &amp; staff during the conduction of academic activities for the coming semester.     </li> <li>Ms. K. Spurthi, UNICEF Drinking Water Consultant, National Jal Jeevan Mission, Department of Drinking Water and Sanitation, Ministry of Jal Shakti, Alumni Member briefed about Jal Jeevan Mission, appreciated the inclusion of problem solving and design thinking courses into the curriculum and suggested the following:</li> <li>Take up the projects related to manage, monitor and quality testing of the water supply.</li> <li>Adopt a near by village and deploy the water management systems.</li> <li>Mrs. Aruna Mantena, Deputy Director, CII Telangana, Society Member appreciated the performance of the institute and suggested the following:</li> <li>Organize CEO Speak sessions for students.</li> <li>Arrange Faculty Training programs under Tech Edu Excellence Forum.</li> </ul> | All Members  Associate Dean Green Campus (NSS, WDC) |
| Martina |                                 |   |   |

Meeting was concluded at 03:30 PM and proposed to conduct the next meeting in March 2021.

Member Secretary