



Quality Assurance Report of IQAC (March 2021 to June 2021)

IQAC Chairperson: Dr Sangheethaa S.

IQAC Director: Dr Kavitha S. Murugesan

Internal Quality Assurance Cell

The Quarterly Quality Assurance Report (QAR) of the IQAC

For affiliated engineering colleges

The campus was on a partial resumption of normal activities after mid-March for a month. Examination was held in halls of the Institute while class was held both on campus and online. The resurgence of the Covid-19 virus posed serious threat which led to closure of campus in the last week of April and remained closed till the third week of June. However, all academic transactions continued online.

PART A

Data of the Institution

| | |
|---|---|
| Name of the Institute | Vedavyasa Institute of Technology, Karadparamba |
| Name of the Head of the Institution | Dr Sangheetha S. |
| Designation | Principal |
| Does the Institution function on its own campus | Yes |
| Phone no | 0483 283 2157 |
| Mobile No | 9446565077, 9747552961 |
| Registered email | vvit@vedavyasa.org |
| Address | Karadparamba P.O. Malappuram District Pin Code 673 632, Kerala |
| City/Town | Ramanattukara (ii) 16 km from Calicut Railway Station |
| Institutional Status Affiliation | Has affiliation |
| Type of Institution | Co-education |
| Location: rural/ semi-urban/urban | Rural |
| Financial status | Private, self-financing |
| Name of the IQAC Convener/Director | Dr S. Kavitha Murugesan |
| Phone no | 9061212493 |
| IQAC email address | vvitofficialsheads@gmail.com |
| Web-site address | www.vedavyasa.org/vvit |
| Web-link of IQAC, QAR | https://www.vedavyasa.org/vvit/about.php#IQACCell |
| About Academic Calendar | New academic calendar released by the University was followed. |
| Accreditation | Effort for accreditation is under way. (one program) |
| Status of IQAC | Formed on 1-8-2019, and functional |



Summary of academic activities that maintain and/or enhance quality standards.

Though the campus remained closed during the second half of the quarterly period, quality-maintaining activities continued in the online mode, helping students continue their academic pursuits in both areas of the curriculum and related realms of co-curricular and extracurricular. The relevant activities are given below.

IQAC

A quality improvement plan was prepared by the team of IQAC members for next 6 months. The plan was prepared by getting inputs from all teachers. The plan includes various activities by teachers and students to improve the standard of teaching learning process. The plan was circulated to all stakeholders and periodic meeting is held to check the progress. The plan emphasizes on out of the textbook teaching learning process.

Recognitions

- Dr Kavitha Murugesan, Vice Principal, earned life-time achievement award for contribution to teaching, research and publication. National Institute for Socio Economic Development Bangalore, gave the award.
- AICTE awarded a certificate to the Institute for its efforts to combat Climate Change and sustain the environment.
- The Institute received certificate of approval for conformance to the requirements of the standard ISO 21001:2018 (for educational organizations).
- Competition Success Review(CSR Review 2021) listed Vedavyasa Institute of Technology as Promising Engineering College in India, Also ranked 5th Best Private college in Kerala.

Professional Body activities

Inaugurations

The department of civil engineering officially inaugurated the ICI student chapter for the activities of Even semester 2020-21. The official inauguration of VVIT was done by Er Shaju K, Chairman of ICI Calicut Centre. Er Sjith Bhasker, Secretary, ICI Calicut centre.

Inauguration of Professional society IGBC students chapter - was done by Ar. B R Ajit, Chairman of IGBC Cochin chapter. On behalf of IGBC- World Erath day was celebrated with various activities like poster competition & quiz competition .



Inauguration of SAE INDIA Collegiate Club of VVIT by the Chief Guest, Mr. Shanmugham S, Director, Design Desk (India) Pvt. Ltd. There was also a technical session by the Chief Guest on Engineering Design.

Inauguration of IWS Student Forum

The IWS Student chapter has been open under the Department of Mechanical Engineering (ME)

SAE Awareness session

The Chief Guest, Mr. Francis Augustine Joseph, MC member SAEISS, explained about the role of Professional Body membership in the development of students and professionals.

Adobe Workshop for CSI Student members

A free 40 hours adobe Workshop is conducted for all students who are part of CSI chapter of VVIT. The resource persons were from Thycha Digital Solutions.

An online workshop on '**Research Article Preparation with Latex**' was arranged for PG students, research scholars and faculty members. This was formally explained by a faculty member of SRM University, AP, Dr Manikandan VP. CSE Dept and CSI Chapter of VVIT arranged it.

Weekly TECHTALKS

Talks on engineering topics are delivered by faculty members every week. It is hoped that such talks are not only informational but they also enhance interest in further search for knowledge.

The following teachers delivered the talk and it is shared in youtube and facebook pages of the institute, to reach wide audience.

The title and name of the staff is given below.

| Title of Techtalk- Wednesday series by teachers | Name of the presenter |
|--|------------------------------|
| Geosynthetic Clay Liner | Megha O APCE |
| Organic Light Emitting Diode: | Athulya GR, APEC |
| Silent Sound Technology: | Rahul IR, APEC |
| Index Law | Sujikumar Asso Prof S&H |
| Suspension System in Automobiles | Arjun P, APME |
| Special Concrete | Bhagya Gopalakrishnan, APCE |
| Stress Management: | Megha P, S & H |
| Internet of Behaviour: | Anjana T.K, APCS |
| Quality of work-life | Babitha, AP S & H |
| Pre-stressed Concrete | Chandhana M APCE |

| | |
|-------------------------------------|-------------------------------|
| Autonomous Cars: | Ms Krishnapriya APEC |
| Bio-Inspired Optimization Algorithm | : Ms Neethu Ravindran S&H |
| Wireless Charging | Dr Lijin George Asso. Prof ME |
| Non Destructive Testing | Kiran Murali AP ME |
| Mathematics in Forensics | Sruthi CK AP S&H |
| Internet of Things | Rintin AP CSE |

Talk by experts

Emerging Trends in Mobile Communication and Electromagnetic Radiation from Towers: Delivered by Shri Manish Shukla ADGT (Technology), DoT, Kerala LSA; Shri Simon Samuel ADET (Security), DoT, Kerala LSA. Both students and faculty members (sixty-seven), attended the webinar. Arranged by CS, EC Dept with IIC and CSE chapter.

Virtual Lab: Online talk for faculty members. Delivered by NIT Surathkal research fellows about the vlab site and its usage to engineering disciplines.

Blooms Taxonomy: An in-house talk for faculty members by Dr Kavitha & Dr Periasamy C

Food Adulteration and Health Problems: Dr Babu, Director, Skill Development Centre, Calicut

Spread the knowledge-webinar session

Teachers who attended 5 days or 3 days FDPs/Webinars/workshops used to share their learnings to all relevant audience. This session is named as "Spread the Knowledge" Following faculty members presented their learnings to all.

1. Energy metering and energy conservation system: By Prof Balakrishnan, Head EE.
2. Information Extraction: talk by Vidhya M, CS Dept. Both students and faculty members attended.
3. IOT applications and challenges: by Dr Kavitha M and Shiby, CS Dept.
4. Flipped classroom : by Megha O- AP CE
5. Construction Technology by R.Anjusha AP CE
6. Concrete Mix Design by Daniel Biju Easan, AP CE
7. Photonics Athulya GR AP ECE
8. Wireless Sensor Networks & its applications by Anitta Chacko AP ECE
9. Molecular Manufacturing by Sabitha Rani AP ME



Interaction with Professionals

This activity was initiated by mechanical department. This activity brings a person from industry for an interactive session with students and faculty members
Following topics were covered till now

| Topic | Resource Person |
|--|---|
| Experimental Stress Analysis in Engineering | Dr Binu P Thomas, VSSC. |
| Composites in Modern World: | Dr Ramesh Kumar Retired engineer of VSSC. |
| E-mobility | Mr Sibikrishnan |
| Experimental stress analysis in engineering. | Dr. Binu P Thomas |
| | |

Placement cell activities

- Sessions on How to write an Effective resume was given to S8 students.
- Session on " What is after B.Tech is arranged for final year students in association with CSE Department &
- A session on Civil Service Orientation Workshop was given to all s8 students by iLearn IAS Academy
- Some students have attended Placement drive by the following consultancy/company and the results are awaited.
 - SkillZActz
 - Acsia Infotech

Continuing education cell activities

Motivational Talk: 'Strategies for Talent Acquisition and Performance Management' by Ms Lt. Lovji K N, AP, Vimala College, Thrissur.

Relax- Break from Busy life- By Dr Riji G Nair- Motivational speaker, Trainer, Author- Ex Engineer Retd from Govt Service, Apex Body Member Art of living- this is a session for all teaching and non teaching faculties of VVIT for relaxing from stress, conducted every Friday evening in online mode.

Students Club activities

Rejuvenating club releases a series of technical talks by First year B.Tech students on every Saturday.

First year students select a topic and explain it in their own words, with the help of relevant videos/ presentations.

For the students by the students

M.Tech students of Civil department arranges weekly sessions on advanced/basic topics in civil engineering for the Undergraduate Civil students on every Saturday.

Institute's Innovation Council Activities

The IIC of VVIt, plans and executes the events mentioned by MoE to be conducted as part of Institute innovation council. The chairman Dr Periasamy arranges the session for faculty members and students. Resource persons are selected based on the topic and activities are conducted as per the guidelines from MoE.

- Orientation on National Innovation and Start-up: Webinar presentation by Dr Periasamy, IIC President.
- Workshop on "Intellectual Property Rights and IP Management for Start-up: Activity of IIC- by Shri T Narayanan, AO, VVIT.
- Prototype Process Design and Development—by Dr Periasamy, IIC President
- Accelerators/Incubators—Opportunities and Students and Faculty: Early Stage Entrepreneurs. —by Ms Saritha Raju, CEO SEAOUX Imports, Exports (P) Ltd, Calicut.
- How to plan for start-up: Legal and Ethical steps: Seminar by IIC, VVIT, By Ramasamy Muruga Mudhaliyar- CEO QDT Technologies Banaglore.

FDPs attended by Faculty members

Faculty members attended KTU sponsored FDPs in their concerned field of research/interest.

| Department | Title & sponsor | Name of the teacher |
|------------|---|--|
| ME | UHV- Universal Human Values – AICTE | Sabitha Rani, Abhiram, Kiran Murali, Arjun P |
| ECE | UHV- Universal Human Values – AICTE | Athulya GR, Anitta Chacko |
| ECE | Embedded Systems Sponsered by KTU | KrishnaPriya |
| ECE | 5G Technologies and IoT- KTU sponsored | Krishnapriya |
| CSE | Examination Reforms, AICTE | Dr Kavitha S |
| CE | Examination Reforms, AICTE | Mrs Divya KK |
| ME | Examination Reforms, AICTE | Mr. Vinoth Khanna |
| CE | Design Thinking & creativity for innovation KTU | Ms. Chandana |
| CE | Fundamentals of Geotechnical & structural engineering KTU | Chandana M |

| | | |
|-----|--|-----------|
| CE | UHV- Universal Human Values – AICTE | Daniel |
| S&H | Plastic recycling & waste management ATALFDP | Jeyanthi |
| S&H | Recent advances in nanoscale device | Jeyanthi |
| EEE | Emerging challenges in Electric vehicles | Ashltha T |

Extra-curricular activities

Activities outside of the curriculum enable development of personality and leadership abilities of students. Such activities contribute to a well-rounded education. The following opportunities were given students:

- Photography contest for first-year students
- Poster Competition for students by CSI VVIT chapter.
- Miniature Modelling Competition for all first year students
- On the occasion of World Earth Day, such events as poster competition, Debate, planting a tree-sapling at home, Rain-water harvesting, Quiz competition were conducted for students.
- Remembrance and renewal of commitment: World Environment Day: A quiz was held.; planting of tree-saplings and making gardens green (CSI),
- World Water Day: Poster competition was held to raise awareness of the global water crisis and the need to achieve sustainable development goal.

Activities for the society

EXCELLENZA

Civil department organized series of sessions "EXCELLENZA"- for plus two students, to motivate them towards higher education. Mocktests for entrance exam, extra curricular competitions were held for the students. Winners were awarded with cash prizes.

UBA Projects

13 project proposals under Unnat Bharath abhyan is submitted by the Institute for the benefit of Vazhayur Panchayath-one of the adopted village under UBA by VVIT.