IQAC Report on quality Initiatives

IQAC Vision

To ensure realistic quality culture aiming holistic academic excellence at the institutional level.

IQAC Mission

1. To develop a sustained echo-system for conscious, consistent & catalytic improvement in the academic and administrative performance of institution.
2. To be the driving force for enhancing quality by removing deficiencies and ushering modern methods.
3. Acting as a nodal centre of the Institution for initiating and directing quality-related activities, including dissemination of best practices.

IQAC Objectives

- To stimulate the academic environment for promotion of quality of teaching-learning and research

- To encourage self-evaluation, accountability and innovations

- To undertake quality-related research studies, consultancy and training programs

- To collaborate with other stakeholders of higher education for quality evaluation, promotion and sustenance.

- To inculcate a Value System among Students

- To gather and analyze feedback response from students, parents and other stakeholders.

Significant Contribution

1.Academic Excellence

a)   Implementation of outcome-based education

To implement outcome-based education IQAC prepared a booklet Curriculum Implementation and Assessment Report (CIAR) to record time table, lesson plan, attendance, execution of practical, internal and external assessment marks, term work marks, above all CO-PO mapping and attainment calculation.

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H. J. THIM TRUST'S
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Tel.: (02525) 284 909 ● Fax : (02525) 284 927 ● Email : info@theemcoe.org ● Website : www.theemcoe.org

As an outcome the academic result of the institute for all the programmes is excellent.

b)   Identify the slow learners and improve their learning by remedial lectures

Slow learners and students not proficient in English language are identified at the entry level by diagnostic tests. Different Bridge courses and remedial lectures are conducted to improve their learning ability.

c)   Conduction of Academic Audit

Internal Academic Monitoring Committee (IAMC) regularly conducts meeting to check and review academic progress and suggested pedagogical methods to improve the students learning. Course files with records of all students' academic progress are duly maintained.

d)   Building a robust Mentor-mentee system

Each newly admitted student is assigned a teacher mentor to keep an eye on his academic progress. Mentors keep regular interactions with their mentors to be aware of their progress and any kind of problems they are facing. If required the higher authorities are also involved in solving the problems. Weekly mentor-mentee meeting is assigned in the time table. Mentors personally take interests in mentee's professional and personal well-being, so that each student may follow his dream, achieve their goal and grow up as a complete human being.

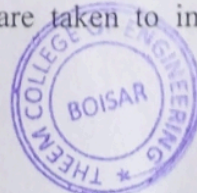e)   Introducing innovative program and courses:

To cope with current world and new technology, new program Artificial Intelligence and Machine Learning has been introduced. A honours course "data Science" has been introduced.

f)   Adaptation of the measures suggested by feedbacks from various stakeholders:
A robust feedback mechanism is in place in the institute. Feedbacks are collected to review and improve academic and administrative process on the following aspects
a)   Student, Parents, alumni and employees for program improvement
b)   Students' feedback for improvement of teaching learning process
c)   Course Exit Survey and Program Feedback

The feedback data collected are analyzed by IQAC. The aspects pointed out by the stakeholders are considered and appropriate actions are taken to improve the teaching learning process.

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2. Holistic Student Development

a) Organize programmes for holistic development of students like Universal Human Values (UHV), soft-skill training, personality development, career guidance etc.

Various workshops and seminars on subjects like UHV, Soft-skill development, Yoga, Career counselling, Self-defence Communal harmony, Cyber Security Awareness, Stress Management etc are arranged to ensure the students' holistic growth.

b) Involve the students to social causes, inculcate ethical values among them

As a part of NSS activities the students take active parts in social activities like beach cleaning, traffic controlling, organizing Blood donation camp etc. NSS also adopted a nearby village "Kukare" and ran a free eye camp there for villagers.

c) Encourage the students for different cocurricular and extracurricular activities

The students are encouraged to participate in different extracurricular activities in the annual festival Jashne-e-Theem. Also cocurricular activities like project exhibition, paper presentation, taking part in AVISKAR etc are encouraged.

3. Research Developments

a) Organize conferences, workshops, STTP's on various themes and encourage faculty to attend various conferences, workshops, STTP's.

IQAC planned to conduct a series of conferences "Trends n Herald in Engineering Excellence and Metamorphosis" (THEEM) from 2019. So far 2 national and 1 international conference have been successfully organized. An International Conference on Humanizing Work and Work Environment (HWWE 2020) has also been successfully conducted in online mode during lockdown.

A national workshop titled "Quality Assurance in Higher Educational Institutes by using Open Educational Resources" was held at Theem College of Engineering, Boisar on 9th and 10th June, 2023. Over 100 teachers from higher-educational institutes from all over India, both offline and online, participated in the event which was sponsored by the National Assessment and Accreditation Council (NAAC). Various open educational software like Latex, Scilab and Linux ware presented by eminent teachers, also hands on practice was delivered in the afternoon session.

Various FDPs and SDPs has been conducted to improve quality.

b) Inspire students to progress further towards research through Project Based Learning (PBL)

PBL is successfully implemented from first year itself. Theem Makers' Vector – the state-of-the art laboratory for Project Based Learning is often used by students to carry on projects. Fully equipped laboratories with computers having open source and updated software are used for project work regularly.

c) Motivate the students to publish their work in conferences and in Journals.

The students are motivated to convert their final year project into research papers and to present in conferences. Some of the selected papers have been published in journals too.

4. Fecilitation for placement and start up

a) Arrange for training and career counselling for the students to boost placements

A no. of SDP and STTP were organized by the institute regularly for last five years. Training and Placement cell organizes students' training program for aptitude, group discussion etc. to boost employment possibility of students, in collaboration with Campus credential in a regular basis. Different SDP's were also conducted like Data Science, Python, Solid works, Artificial Intelligence, Java Fullstack Development to name a few.

b) Establishing incubation cell and startup centre

Institution has established a fully functional incubation centre where students are encouraged to establish start-up, and also provided with financial helps.

c) Motivate the students for entrepreneurship

A no of seminars is being organized every year inviting experts and alumni members for motivating students to establish their own start-up.

d) Promote awareness of Intellectual Property Rights (IPR) among faculty and students by organizing various seminars and workshops as part of IIC activities seminars on IPR is regularly organized.

5. Industry Institute Interaction

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a) Enhancement of Industry- Institute interaction by signing various memorandum of understanding (MOU)

To strengthen the industry institute interaction the following MOUs are active and in place:

Sr. No	Name of the MoU / Collaboration / linkage	Name of the collaborating agency / institution / industry / corporate house with whom the MoU / collaboration / linkage is made, with contact details	Year of signing MoU / collaboration / linkage	Duration of MoU / collaboration / linkage (years)
1	Theem COE	Aqua Express Water Park Rides	2023	5
2	Theem COE	Institute of futuristic technology	2023	5
3	Theem COE	ALVIN IT Solution	2023	5
4	Theem COE	Grade and Grind Technologies Pvt. Ltd.	2022	5
5	Theem COE	Milliamps Energy Solutions Pvt. Ltd.	2022	5
6	Theem COE	Sunrack Green Technologies Pvt. Ltd.	2022	5
7	Theem COE	Sunrack Technologies LLP	2022	5
8	Theem COE	Sharif Construction	2021	5
9	Theem COE	Thim Construction Pvt. Ltd.	2021	5
10	Theem COE	Campus Credential	2019	5
11	Theem COE	CADD Centre	2019	5
12	Theem COE	iSchool Connect Inc.	2019	5
13	Theem COE	CADD	2019	5

b) Inviting industry experts in conferences, seminars, convention, as adjunct faculty and as resource person for welfare Scheme & training programme

Different training programs for students are arranged inviting industry persons as experts, they get help and advice in their projects, and also get guidance for entrepreneurship and start up.

A special session for research papers from industry personals was arranged in THEEM-2023 conference. Four papers were selected for oral presentation. Various eminent personalities from industry attended the session.
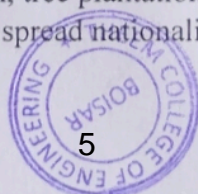
c) Industry visits for students and faculty

Different industrial visits are arranged to expose them to industrial surroundings

6. Involvement with society

a) Motivate the students to serve the society as part of National Social Scheme (NSS)

Through an well performing NSS organization students are involved in different social causes like blood donation, tree plantation, beach cleaning, traffic control etc. NSS celebrates different days to spread nationality, patriotism, gender equality etc.

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b) Spread enthusiasm about Science, Technology, Engineering and Mathematics(STEM) in school children

Institute conducts school connect programs every year to motivate school children to pursue STEM and also to provide them career counselling. A project exhibition named "Junior Scientist" is also conducted regularly to facilitate the school children to present their skills.

c) Organize training programs for school and Junior college teachers

The institution has organized a teacher training program for teachers of higher secondary schools and junior college to provide them the knowledge of modern software.
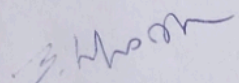
7. Green campus Initiative

a) Inculcate eco-friendly practices in the campus

The institute has an active green campus policy in place. Regular seminars are arranged to spread awareness about green campus among students.
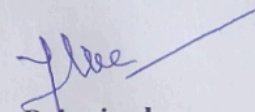
b) Continue to use alternate sources of energy, tree plantation, waste management etc

IQAC has strictly maintained the green campus protocol in the institute and continue by establishing infrastructure to carry out clean and green campus initiatives.

IQAC as the driving force of quality control and improvement, continues to strive for excellency

IQAC Coordinator

Principal
PRINCIPAL
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