

2024

# IQAC ANNUAL REPORT

## Outlay v/s Outcome

This document contains the account of initiatives taken for quality enhance and output thereto for the academic year 2023 – 24.

14/08/2024

IQAC  
MLVTEC, Bhilwara (INDIA)





## VISION

- ✓ To contribute to India and the world through excellence in Technical education;
- ✓ To serve as a valuable resource for industry, research and society; and remain a source of pride for our state Rajasthan.

## MISSION

- To create technical manpower for meeting the current and future demands of industry;
- To provide education in close interaction with industry with emphasis on development of leadership qualities in students of our college with sensitivity to social development and eye for opportunity for growth in international perspective.



**Manikya Lal Verma Textile & Engineering College, Bhilwara – 311 001 (INDIA)**

## MESSAGE OF PRINCIPAL



M. L. V. Textile & Engineering College, a constituent college of Rajasthan Technical University, Kota, continues to uphold its legacy as a premier institution for higher technical education, especially in the field of textiles, in Rajasthan. Established in 1988, the college has, over its 36-year history, consistently produced graduates with exceptional analytical, problem-solving, design, practical, and leadership skills, contributing significantly to national development.

The Annual Report for 2023-24 from the IQAC encapsulates our ongoing commitment to enhancing the quality of education and professional development for both faculty and staff. Guided by our six core principles and the dedicated efforts of all stakeholders, we have achieved a range of tangible and intangible outcomes, which are highlighted in this document. The report also proudly showcases the outstanding achievements of our faculty and students.

I firmly believe that with continued, focused efforts from everyone associated with the college, we will move ever closer to achieving excellence in alignment with our vision statement. It is with great pleasure that I present this report for your kind consideration.

**Dr. Dinesh Narain Vyas**

**August 2024**



## M. L. V. Textile & Engineering College, Bhilwara

(A Constituent College of Rajasthan Technical University, Kota)

### INTERNAL QUALITY ASSURANCE CELL

AICTE - F. No. North-West/1-36539874797/2023/EOA, 14 August 202



## IQAC ANNUAL REPORT for 2023 – 24

### The objectives of IQAC are

- To develop a system for conscious, consistent and catalytic action to improve the academic and administrative performance of the institution.
- To promote measures for institutional functioning towards quality enhancement through internalization of quality culture and institutionalization of best practices.

### IQAC shall evolve mechanisms and procedures for

- Ensuring timely, efficient and progressive performance of academic, administrative and financial tasks;
- The relevance and quality of academic and research programs;
- Equitable access to and affordability of academic programs for various sections of society;
- Optimization and integration of modern methods of teaching and learning;
- The credibility of evaluation procedures;
- Ensuring the adequacy, maintenance and proper allocation of support structure and services;
- Sharing of research findings and networking with other institutions in India and abroad.

### Some of the functions expected from IQAC are:

- Development and application of quality benchmarks/parameters for various academic and administrative activities of the institution;
- Facilitating the creation of a learner-centric environment conducive to quality education and faculty maturation to adopt the required knowledge and technology for participatory teaching and learning process;
- Arrangement for feedback response from students, parents and other stakeholders on quality-related institutional processes;
- Dissemination of information on various quality parameters of higher education;
- Organization of inter and intra institutional workshops, seminars on quality related themes and promotion of quality circles;
- Documentation of the various programs/activities leading to quality improvement;
- Acting as a nodal agency of the Institution for coordinating quality-related activities, including adoption and dissemination of best practices;

- Development and maintenance of institutional database through MIS for the purpose of maintaining /enhancing the institutional quality;
- Development of Quality Culture in the institution;
- Preparation of the Annual Quality Assurance Report (AQAR) as per guidelines and parameters of NAAC/NBA, to be submitted to NAAC/NBA.

### **IQAC will facilitate / contribute**

- Ensure heightened level of clarity and focus in institutional functioning towards quality enhancement;
- Ensure internalization of the quality culture;
- Ensure enhancement and coordination among various activities of the institution and institutionalize all good practices;
- Provide a sound basis for decision-making to improve institutional functioning;
- Act as a dynamic system for quality changes in HEIs;
- Build an organized methodology of documentation and internal communication.

### **Composition of IQAC**

<b>S. No.</b>	<b>Name &amp; Designation</b>	<b>On Board</b>
1.	Dr. D. K. Sharma, Principal	Chairman
2.	Dr. D. N. Vyas, Associate Professor	Coordinator
3.	Dr. K. C. Jain, Associate Professor & OIC (Establishment)	Member
4.	Smt. Meenu Munjal, Assistant Professor (TT)	Dept. Coordinator (TT)
5.	Sh. Dinesh Kumar Sharma, Assistant Professor (ME)	Dept. Coordinator (ME)
6.	Sh. Jitendra Meena, Assistant Professor (TC)	Dept. Coordinator (TC)
7.	Sh. Anurag Jagetiya, Assistant Professor (IT)	Dept. Coordinator (IT)
8.	Smt. Sarita Chouhan, Assistant Professor (ECE)	Dept. Coordinator (IT)
9.	Sh. Rajeev Agarwal, Assistant Professor (BS-CH)	Dept. Coordinator (BS)
10.	Sh. Suraj Kumar Gupta, Visiting Faculty (ME)	Member
11.	Sh. L. N. Somani, Accounts Officer	Member
12.	Sh. Vijay Agarwal, MD, Calvintex Bhilwara	Member
13.	Sh. Shyam Verma, CEO, RBSL Bhilwara	Member
14.	Sh. Vinod Melana, Industrialist, 'APNA SANSTHAN'	Member
15.	Mr. Ansh Tiwari, Student (B. Tech - IT)	Member

## REPORT BEGINS

Paving a road approaching the quality in teaching and learning activities in an Engineering College requires collective and effective efforts with the flavor of Kaizen. The Internal Quality Assurance Cell was established in April 2022 to give insight into quality aspects of teaching – learning in undergraduate programs and strived to take initiatives for implementation of quality assurance strategies in the college through department coordinators.

The activities undertaken during the academic session 2023-24 and strategies adopted could contribute to the extent what was expected amidst all financial and circumstantial hardships.

### Guiding principles of quality initiatives:

- ✓ Technical Skill Development
- ✓ Research Aptitude Development
- ✓ Soft Skill Development including value education and professional ethics
- ✓ Confidence building and leadership skill development measure
- ✓ Awareness about physical & mental fitness
- ✓ Social Outreach

Several initiatives were taken to put a step ahead for quality assurance in the College:

### Awareness and Technical Skill Development:

- National Handloom Day raised awareness about preserving traditional handlooms.
- SIP 2K23 successfully oriented 189 new B.Tech students through an induction program.
- An Internal Hackathon for SIH-23 enabled 14 teams to showcase innovative solutions.
- Introduction to Web3 provided insights into block-chain technology.
- A GIT Workshop enhanced students' understanding of version control systems.
- Nation Mathematics Day celebrated mathematics with quizzes and challenges.
- OPENHACK 2024 hosted a hackathon with 14 teams, promoting technical skills and collaboration.
- A MATLAB Workshop trained 27 faculty members in advanced computational tools.
- NPTEL Recognition highlighted the achievements of faculty and students in online courses.

### Research Aptitude Development:

- The TECH-BIZZ CLUB was established to foster research and innovation.
- A grant of INR 2.05 crore was received to set up advanced digital labs at MLV Textile & Engineering College.
- An MoU was signed with Grasim Industries for research collaboration.

- Mission 2028 was announced to transform MLVTEC into a Smart Centre integrating multiple disciplines.
- Another MoU with Ed-Mech Pvt. Ltd. facilitated placement and internship opportunities for students.

## **Soft Skill Development:**

- A motivational talk followed by a quiz held to enhance the soft skill of the students

## **Confidence Building and Leadership Skill Development:**

- A Personality Development session prepared students for recruitment processes.
- The Indo-Japan Textile Research Conference contributed to international research dialogue.
- The 35th edition of SPARKLE Magazine was launched, celebrating the college's achievements.

## **Physical & Mental Fitness Awareness:**

- A Heartfulness Session by Sangeeta Bansal promoted mindfulness, meditation, and inner peace among students.
- Students have enhanced their awareness of physical and mental fitness by participating in the Health & Fitness Marathon.

## **Social Outreach:**

- A Cleanliness Drive promoted environmental responsibility on campus.
- World Standard Day engaged 150 participants in activities emphasizing standardization.
- Energy Conservation Day highlighted sustainable practices through seminars and quizzes.
- A Blood Donation Camp collected over 100 units of blood, supporting local healthcare.
- World Water Day, along with subsequent essay and poster competitions, raised awareness about water conservation.
- A seminar on water conservation, led by students and facilitated by an Associate Professor, focused on community education about water issues.

What follows is the brief account of outcomes of such initiatives:

**Table 1: Technical Skill Development**

S. No.	Initiative	Outcome
1	<b>National Handloom Day</b> (07/08/2023)	Raised awareness about the importance of <b>preserving traditional handlooms and modernizing weaving techniques</b> . Addressed the challenges faced by handloom weavers and discussed their critical role in the economy, fostering greater support for this sector. <b>Number of Participants:38</b>
2	<b>SIP 2K23</b> (01/09/2023)	Successfully oriented 189 newly admitted B.Tech students through a comprehensive <b>induction program</b> , helping them acclimate to academic life and enhancing their preparedness for the rigors of the engineering curriculum. <b>Number of Participants: 189</b>
3	<b>Internal Hackathon for SIH-23</b> (23/09/2023)	Facilitated a competitive environment where 14 teams presented <b>innovative solutions to real-world problems</b> , showcasing their technical prowess and problem-solving skills, and promoting collaboration and creative thinking among participants. <b>Number of Participants:94</b>
4	<b>Introduction to Web-3</b> (02/11/2023)	Provided valuable insights into the emerging Web3 technology and its potential <b>impact on India's digital economy</b> . The session, led by Shanu Joshi, covered advancements in block-chain and its applications in gaming, equipping students with cutting-edge knowledge. <b>Number of Participants:50</b>
5	<b>GIT Workshop</b> (08/12/2023)	Conducted a detailed three-day workshop on GIT, enhancing students' understanding of version control systems, which is essential for <b>collaborative software development</b> and improving their coding practices. <b>Number of Participants:110</b>
6	<b>National Mathematics Day</b> (22/12/2023)	Celebrated mathematics with engaging activities including quizzes and challenges. The event aimed to foster a deeper interest in mathematics and provide a platform for students to showcase their <b>problem-solving skills and mathematical creativity</b> . <b>Number of Participants:40</b>
7	<b>OPENHACK 2024</b> (25/02/2024)	Hosted a successful <b>hackathon with 14 teams from various colleges</b> , focusing on practical coding and problem-solving. The event promoted technical skill development, innovation, and collaboration among students from different institutions. <b>Number of Participants: 82</b>
8	<b>MATLAB Workshop</b> (10/06/2024)	Provided <b>advanced training on MATLAB</b> to faculty members, enhancing their technical skills and ability to teach complex engineering concepts effectively. This workshop aimed at improving faculty competencies in computational tools for academic and research purposes. <b>Number of Beneficiaries:27</b>
9	<b>NPTEL Recognition</b> (Jul-Dec 2023)	Recognized achievements in <b>NPTEL courses</b> with awards for Smt. Meenu Munjal, Assistant Professor (Textile Technology) and Tushar Chandrakant Patil, and acknowledgment of Aas Mohmmad's completion of an advanced course. The recognition highlighted the commitment to continued learning and skill enhancement. <b>Number of Certification: 3</b>



**Table 2: Research Aptitude Development**

S. No.	Initiative	Outcome
1	<b>Tech-Bizz club announced</b> (01/08/2023)	Established the <b>TECH-BIZZ CLUB</b> for the 2023-24 academic session, fostering a collaborative environment for research and innovation under the guidance of Suraj Kumar Gupta.
2	<b>NTTM's Grant for college</b> (18/08/2023)	MLV Textile College received INR 2.05 crore grant to set up <b>advanced digital labs</b> , significantly enhancing technical textile education by providing state-of-the-art facilities for students and researchers.
3	<b>MOU Signed with Grasim Industries</b> (07/03/2024)	Signed <b>MoU with Grasim Industries</b> to drive innovation and research collaboration, leading to the development of new technologies and skill-building initiatives in the textile and engineering sectors.
4	<b>Mission 2028 announced</b> (17/03/2024)	MLVTEC is embarking on a transformative journey to become a Smart Centre of " <b>STEDYEAR</b> ," integrating Science, Technology, Engineering, Design, and Yoga Education and Research by 2028. This initiative aims to revolutionize education and research through a holistic and multidisciplinary approach, promoting innovation and comprehensive development in the region.
5	<b>MOU Signed with Ed-Mech PVT. LTD.</b> (12/06/2024)	Facilitated <b>placement and internship opportunities</b> for students, bridging the gap between academia and industry in Mechanical Engineering.

**Table 3: Soft Skill Development including Value Education and Professional Ethics**

S. No.	Initiative	Outcome
1	<b>Personality Development for Recruitment Process</b> (01/11/2023)	Delivered a <b>motivational talk and conducted a science quiz</b> aimed at developing students' personality traits and preparing them for job interviews and career challenges. The event helped students enhance their confidence and communication skills. <b>Number of Beneficiaries:147</b>

**Table 4: Confidence building and leadership skill development measure**

S. No.	Initiative	Outcome
1	<b>Indo-Japan Textile Research Conference</b> (27/11/2023)	Sh. Arvind Vashishtha, Associate Professor (TPO) was sponsored for presenting a research paper on woven-reinforced composites, contributing to international dialogue and <b>knowledge exchange in the textile industry in Indo-Japan Textile Research Conference organized by Indian Institute of Technology, Delhi.</b>
2	<b>SPARKLE Unveiled</b> (17/03/2024)	Launched the 35th edition of SPARKLE Magazine, celebrating the college's achievements and milestones. The publication highlighted the <b>accomplishments of students, faculty, and alumni, fostering a sense of pride.</b>

**Table 5: Awareness about physical & mental fitness**

S. No.	Initiative	Outcome
1	<b>Heart- fullness Session by Sangeeta Bansal</b> (Jan- Feb, 2024)	Students participated in a transformative session led by Sangeeta Bansal from the Heartfulness Institute, focusing on meditation and self-awareness. Bansal's teachings <b>promoted mindfulness and inner peace</b> , offering students a break from daily stress. <b>Number of Beneficiaries:52</b>
2	<b>Health and Fitness Marathon</b> (20/01/2024)	The students have demonstrated an increased awareness of physical and mental fitness by actively participating in the Health & Fitness Marathon organized by <b>Bhilwara Bhaskar</b> and the <b>District Athlete Federation</b> . This activity has reinforced the importance of maintaining a healthy lifestyle and mental well-being. <b>Number of Participants: 22</b>

**Table 6: Social Outreach**

S. No.	Initiative	Outcome
1	<b>Cleanliness Drive</b> (03/09/2023)	Organized a <b>campus-wide cleanliness drive</b> involving students in maintaining campus hygiene. The initiative promoted environmental responsibility and community involvement, resulting in a cleaner and more sustainable campus environment. <b>Number of Participants:124</b>
2	<b>World Standard Day</b> (13/10/2023)	Conducted a range of activities including a health workshop, essay competition, and quiz, engaging the participants. The event highlighted the importance of standardization and its impact on quality and safety in various fields. <b>Number of Participants:167</b>
3	<b>Energy Conservation Day</b> (14/12/2023)	Educated students and faculty on energy conservation through a seminar and quiz competition. The event emphasized <b>sustainable energy practices and their importance</b> in engineering and everyday life, promoting awareness and practical conservation methods. <b>Number of Participants:50</b>
4	<b>Blood Donation Camp</b> (16/12/2023)	Successfully organized a <b>blood donation drive</b> , collecting significant number of units of blood from students. The initiative, in collaboration with Arihant Hospital, supported local healthcare needs and encouraged a culture of altruism and community service. <b>Number of Donors : 100</b>
5	<b>World Water Day</b> (22/03/2024)	Hosted a workshop and essay competition on water conservation, involving 40 students. The event raised awareness about water management issues and encouraged participants <b>to develop solutions and contribute to sustainable water practices.</b> <ul style="list-style-type: none"> <li>• Held an essay competition on with eight students participation "<b>Water Conservation and Its Importance</b>," to reflect on their views on crucial environmental issues. (21/06/2024)</li> <li>• Poster-making competition held <b>to promote water conservation</b>. With 5 student participants, the event showcased artistic talents while raising awareness about the importance of water-saving practices. (22/06/2024)</li> <li>• A seminar on "<b>The Importance of Water and Its Conservation</b>," held featuring presentations by students and facilitated by Associate Professor K.G. Bhadada. With 27 participation the seminar focused on educating about water conservation challenges and strategies. (29/06/2024)</li> </ul>

## **Publications of IQAC:**

- ❖ Academic Calendar, **Odd Semester-June 2023, Even Semester-December 2023**
- ❖ IQAC Annual Report 2023-24, **July 2023**
- ❖ Newsletters, Six issue from **July 2023 to June 2024**
- ❖ Project Evaluation Manual, **February 2024**
- ❖ Evaluation Scheme and Rubrics for Training, Seminar, **March 2024**
- ❖ Poster of Mission 2028, **March 2024**
- ❖ RTU Rule Book 2024-25, **May 2024**
- ❖ Academic Audit Manual, **May 2024**
- ❖ OBE Guideline for 2024-25, **May 2024**
  - 1st Year
  - Mechanical Engineering (ME)
  - Electronics and Communication Engineering (ECE)
  - Information Technology (IT)
  - Computer Science Engineering (CSE)
- ❖ Result Analysis of Odd Semesters, **June 2024**
- ❖ Commercial Testing Manual for Textiles, **June 2024**
- ❖ Solutions of Previous Years' Questions in Engineering Mathematics-I and II, **June 2024**

*All these publications have been circulated among students and staff through Whatsapp sharing.*

The Coordinator (IQAC) extends sincere thanks and congratulations to all who have contributed, directly or indirectly, to our ongoing journey toward enhancing the quality of the Teaching-Learning Process. As we move forward in this session, we must continue to put in greater effort by developing innovative mechanisms to achieve our goals.

Together, we can become the source of our students' success and satisfaction.

**Dr. Dinesh Narain Vyas**

**Place: Bhilwara**

**Day & Date: Monday, August 14, 2024**

**REPORT ENDS HERE**

Published by



**Internal Quality Assurance Cell (IQAC)**

M. L. V. Textile & Engineering College, Bhilwara

(A constituent college of RTU, Kota)

PIN - 311 001 (INDIA)

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